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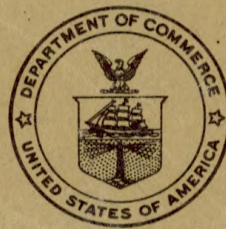
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PATIENTS IN  
MENTAL INSTITUTIONS  
1939

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U. S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS





**U. S. DEPARTMENT OF COMMERCE**

**JESSE H. JONES, Secretary**

**BUREAU OF THE CENSUS**

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**PATIENTS IN  
MENTAL INSTITUTIONS  
1939**

**Part I. Patients in Hospitals for Mental Disease**

**Part II. Patients in Institutions for Mental Defect and Epilepsy**

**Part III. Consolidated Data for Mental Defectives and Epileptics**

Prepared under the supervision of

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Chief Statistician for Vital Statistics

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Readmissions to State hospitals for mental disease, by mental disorder, by divisions and States: 1939

Patients discharged from State hospitals for mental disease and rate per 100 admissions, by sex and condition on discharge: 1939 and 1938

Patients discharged from State hospitals for mental disease, by mental disorder and sex, by divisions and States: 1939

Deaths of patients in State hospitals for mental disease, by place of birth, by divisions and States of hospitalization, race, and sex: 1939

Average resident patient population and normal capacity of State hospitals for mental disease: 1926-1939

Administrative staff of State hospitals for mental disease and number of patients per employee, by sex, by occupation: 1939 and 1938

Annual expenditures of State hospitals for mental disease, with per capita expenditure for maintenance: 1939, 1938, and 1922

Movement of patient population in Veterans' Administration hospitals for mental disease, by divisions and States: 1939

Resident patients at the end of the year, by geographic location of hospital, in Veterans' Administration hospitals for mental disease, by mental disorder, by divisions and States: 1939

Resident patients at the end of the year in Veterans' Administration hospitals for mental disease, by age, by divisions and States: 1939

Resident patients, with psychosis, in Veterans' Administration hospitals for mental disease, by age, by divisions and States: 1939

First admissions to Veterans' Administration hospitals for mental disease, by mental disorder, by divisions and States: 1939

First admissions to Veterans' Administration hospitals for mental disease, by age, by divisions and States: 1939

First admissions with psychosis to Veterans' Administration hospitals for mental disease, by age, by divisions and States: 1939

Readmissions to Veterans' Administration hospitals for mental disease, by mental disorder, by divisions and States: 1939

Deaths of patients in Veterans' Administration hospitals for mental disease, by mental disorder, by divisions and States: 1939

Deaths of patients in Veterans' Administration hospitals for mental disease, by age, by divisions and States: 1939

Movement of patient population in private hospitals for mental disease, by divisions and States: 1939

Resident patients at the end of the year in private hospitals for mental disease, by mental disorder and sex, by divisions and States: 1939

First admissions to private hospitals for mental disease, by mental disorder and sex, by divisions and States: 1939

Male first admissions to private hospitals for mental disease, by age, by divisions and States: 1939

Female first admissions to private hospitals for mental disease, by age, by divisions and States: 1939

First admissions of male patients with psychosis to private hospitals for mental disease, by age, by divisions and States: 1939

- First admissions of female patients with psychosis to private hospitals for mental disease, by age, by divisions and States: 1939
- Male resident patients at the end of the year in psychopathic hospitals, by age, by mental disorder: 1939
- Female resident patients at the end of the year in psychopathic hospitals, by age, by mental disorder: 1939
- Male first admissions to psychopathic hospitals, by age, by mental disorder: 1939
- Female first admissions to psychopathic hospitals, by age, by mental disorder: 1939
- Male patients discharged from psychopathic hospitals, by age, by mental disorder: 1939
- Female patients discharged from psychopathic hospitals, by age, by mental disorder: 1939
- Deaths of male patients in psychopathic hospitals, by age, by mental disorder: 1939
- Deaths of female patients in psychopathic hospitals, by age, by mental disorder: 1939
- Movement of patient population in State and private institutions for mental defectives and epileptics, by type of control of institution: 1939
- Movement of patient population in State institutions for mental defectives and epileptics, by divisions and States: 1939
- Patients in State institutions for mental defectives and epileptics at the beginning of the year, by mental disorder, by divisions and States: 1939 and 1938
- First admissions of mental defectives to State institutions, by sex, by mental status: 1939 and 1938
- First admissions of male mental defectives to State institutions, by age, by divisions and States: 1939
- First admissions of female mental defectives to State institutions, by age, by divisions and States: 1939
- First admissions of epileptics to State institutions, by sex, by clinical diagnosis: 1939
- First admissions of male epileptics to State institutions, by age, by divisions and States: 1939
- First admissions of female epileptics to State institutions, by age, by divisions and States: 1939
- Average resident patient population and normal capacity of all State institutions for mental defectives and epileptics, by divisions and States: 1939 and 1938
- Full-time administrative staff of State institutions for mental defectives and epileptics at the end of the year, by sex, by occupation: 1939 and 1938
- Administrative staff of all State institutions for mental defectives and epileptics, by occupation, by divisions and States: 1939
- Expenditures of all State institutions for mental defectives and epileptics, with per capita expenditure for maintenance, by divisions and States: 1939
- First admissions of mental defectives and epileptics to private institutions, by mental status and clinical diagnosis, by divisions and States: 1939
- Mental defective and epileptic resident patients at the end of the year in all institutions for mental patients, by mental disorder and type of control, by divisions and States: 1939
- Mental defective and epileptic resident patients at the end of the year in public institutions for mental patients, by mental disorder and type of control, by age: 1939
- Male mental defective resident patients at the end of the year in public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- Female mental defective resident patients at the end of the year in public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- Male epileptic resident patients at the end of the year in public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- Female epileptic resident patients at the end of the year in public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- First admissions of mental defectives and epileptics to all institutions for mental patients, by mental disorder and type of control, by divisions and States: 1939
- Mental defective and epileptic first admissions to public institutions for mental patients, by mental disorder and type of control, by age: 1939
- First admissions of male mental defectives to public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- First admissions of female mental defectives to public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- First admissions of male epileptics to public institutions for mental patients, by age, by divisions, States, and type of control: 1939
- First admissions of female epileptics to public institutions for mental patients, by age, by divisions, States, and type of control: 1939

# PATIENTS IN MENTAL INSTITUTIONS, 1939

## INTRODUCTION

**Previous enumerations.**—Enumeration of persons with mental disease and with mental deficiency was conducted as a part of the census of population beginning in 1840. This practice, which was continued decennially through 1890, reported persons both hospitalized and unhospitalized directly on the population schedule. Obviously such information was difficult to obtain. Considerable underenumeration of mental patients was inevitable. To bring about more complete enumeration in 1880, the census schedules were supplemented with special schedules mailed to approximately 100,000 physicians in the United States. Four-fifths of the physicians responded and, as a result, the number of mental patients enumerated was increased by about 17 percent. This practice, however, was abandoned in 1890, and the population census schedule alone was used in that year.

In 1904 and in 1910 a census of hospitalized patients was conducted. Subsequently the ground work for uniform Nation-wide statistics was set up by the National Committee for Mental Hygiene, and several enumerations were undertaken by that organization.

In 1923 the Bureau of the Census again conducted its decennial count. That was the first year in which the Bureau of the Census utilized in its report the standard classified nomenclature of mental diseases as recommended by the American Psychiatric Association, the classification of mental defectives as adopted by the American Association on Mental Deficiency (then known as the American Association for the Study of the Feeble-Minded), and the classification of epileptics adopted by the National Association for the Study of Epilepsy (now amalgamated with the American Psychiatric Association).

Thereafter the annual enumerations assumed a clinical aspect. The 1923 reports achieved coverage of hospitals for mental disease under all types of control, State, veterans', county, city, and private, and of patients in the psychiatric wards of general hospitals as well. Mental defectives and epileptics in State, city, and private institutions were reported. Such complete coverage was not again secured until 1933, although annually, since 1931, patients in all types of mental hospitals and institutions with the exception of mental patients in general hospitals have been enumerated. The present census is the fourteenth of the annual enumerations begun in 1926.

This report was prepared by Grace C. Scholz, Chief of Mental Institutions Statistics, under the supervision of Halbert L. Dunn, M. D., Chief Statistician for Vital Statistics; and John Collinson, M. D., Assistant Chief Statistician.

**Arrangement of the report.**—The 1938 report was the first that combined the separate reports "Patients in Hospitals for Mental Disease" and "Mental Defectives and Epileptics in Institutions." The former of these previously separate publications comprises part I of this report, the latter, part II. Part III presents combined data on mental defectives and epileptics under treatment both in hospitals for mental disease and in institutions for mental defect and epilepsy. In certain sections of the country the proportions of mental defectives and epileptics in hospitals for mental disease are large and only by a combination of the data can adequate interstate comparisons be made.

Some tabulations have been prepared that could not be published because of limitations on the size of this volume. They are listed by title in the table of contents of this report. In some instances reference to the data obtained from these tables is made in the text.

**Period covered.**—The data reporting the patient population of institutions cover either the calendar year 1939 or the fiscal year that ended during that calendar year. Most State institutions find it more convenient to report for the fiscal year, since their data are customarily compiled for their own reports on this basis. Financial data always cover the fiscal year.

**Summary statements.**—In the collection, processing, and presentation of these data, the primary consideration throughout has been type of control of institution. Nevertheless there are numerous approaches that might be made to a census of hospitalized mental patients. It is important to know the types of patients that come under the supervision of the State hospital systems, of the Veterans' Administration, or of hospitals under other types of control. However, an over-all picture of the distribution of hospitalized mental patients might also be made from point of view of sex, clinical diagnosis, age distribution, geographic distribution, and from other considerations as well. To make possible a ready approach to the characteristics of all hospitalized patients with mental disease, or all patients institutionalized with mental deficiency and epilepsy, from each of these various aspects, total sections have been compiled for mental disease in part I and for mental deficiency and epilepsy in part II.

From these tabulations a few conclusions and comparisons may be summarized.

Male patients under supervision of all hospitals for mental disease outnumbered females 7 to 6, while male admissions outnumbered females in the ratio of 3 to 2. During the course of the year there were 59 patients discharged and 23 deaths per 100 patients admitted to hospitals. The remainder may be accounted for by patients transferred to other hospitals, by deaths of patients on parole, and by patients who remained in the hospital contributing to its gradual growth. There were nearly three times as many first admissions to mental hospitals as there were readmissions. At the end of the year, 3.6 persons of every 1,000 in the United States were in mental hospitals. Few children under 15 years of age develop mental disease. When only those of 15 years and over are considered, 4.8 out of every 1,000 were hospitalized for mental disease. Rates of hospitalization were highest in the New England and Middle Atlantic States. These States, with 27 percent of the population of the United States, reported 38 percent of the patients hospitalized with mental disease in the country. The largest proportionate increase in a single diagnosis of all resident patients has been in psychosis with cerebral arteriosclerosis—from 4,400 to 23,000 patients—in the 18-year period ending with 1939.

For mental deficiency and epilepsy the number of males under supervision of institutions outnumbered females 9 to 8.5; for admissions the ratio was 9 males to 7 females. Mental defective diagnoses among institutionalized patients were five times more numerous than epileptic. During the year there were 45 discharges and 21 deaths per 100 admissions to all institutions. There were more than 12 times as many first admissions as readmissions. At the end of the year nearly 0.8 persons per 1,000 were in residence in mental defective and epileptic institutions.

**Ratios to general population.**—Population figures used as the base for computing rates in this report are preliminary estimates made by the Bureau of the Census for the intercensal period, 1930 to 1939, and have been compiled more recently than the estimates that were used in the 1938 annual report. When final population estimates for this decade are made available, it is hoped that hospitalization and first admission rates for the period 1930 to 1939 for hospitals for mental disease and for institutions for mental defect and epilepsy can be recomputed.

In this report rates of hospitalized patients per 100,000 of the general population are based on population estimates as of January 1, and rates of first admission during the year are based on the estimated population as of July 1 of the years reported.

There are various procedures employed in the computation of rates, as well as certain exceptions, which have been indicated to make clear their general implications. Rates of hospitalization and first admission are based on State of hospitalization rather than on State of residence of the patient before hospitalization, except when otherwise specified. These rates are based on total population figures, although patients younger than 15 years hospitalized for mental disease, and younger than 5 years institutionalized for mental deficiency and epilepsy, are few. The proportion of the population in these lower age ranges varies considerably from State to State, and the crude rates that are presented would show somewhat altered relationships if they were corrected for age.

Discharge and death rates per 1,000 patients under treatment are presented by age and clinical diagnosis in the section dealing with consolidated data for all hospitals. Veterans' hospital data were excluded from this consideration because of the marked difference between patients in veterans' hospitals and in hospitals under State, county, or city control.

Because of wide variation in policies of discharge and in laws determining the length of parole before discharge, rates of readmission and discharge should be cautiously interpreted, particularly in making interstate comparisons. These rates are probably more meaningful for a trend study in a single State over a period of not too long duration.

Median\*ages have been computed by diagnosis for resident patients, first admissions, discharges, and deaths, in each instance in which there were more than 100 patients with that diagnosis. The median duration of hospital life of patients who died in the hospital has also been computed by diagnosis. The median ages should not be taken to be indicative of life expectancy of patients with these disorders, nor of the relative effectiveness of hospital treatment. They indicate simply the median ages of hospitalized patients, first admissions, discharges, or deaths, as the case may be, of patients who came under the jurisdiction of the hospitals of each special type of control. Because the population source of patients in hospitals under different types of control (e. g., State and veterans') differs in various ways, such as age range and sex distribution, the median ages and median durations of hospital life in these hospitals may be expected to differ.

**Acknowledgment.**—The generous cooperation of each of the institution superintendents and of the various State and Federal officials through whom data were supplied is gratefully acknowledged. Without their help in making returns accurate and complete, this report would lose much of its value.

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\*When the values of a variable are arranged in order of magnitude, the "median" is a value so selected that 50 percent of the total number of cases lie below it and 50 percent above it.

## PART I. PATIENTS IN HOSPITALS FOR MENTAL DISEASE

### INTRODUCTION

**Scope of the data.**—The data in part I of this report are devoted to State, veterans', county, city, and private hospitals for mental disease. There were 178 State and 2 Federal hospitals in 1939, and returns from them were complete. The 2 Federal hospitals, St. Elizabeths Hospital in the District of Columbia and Morningside Hospital in Oregon, the latter privately owned but hospitalizing the mentally diseased of Alaska for the Federal Government, were included with the State hospitals in compiling tabulations, as in previous years. Patients were also reported in the 27 veterans' hospitals, 100 county and city hospitals, and 198 private hospitals. The data for 7 psychopathic hospitals, 6 under State and 1 under county control, were reported separately, as were data for patients in psychiatric wards of general hospitals.

For clearer presentation of the geographic distribution of the hospitals for mental disease discussed in part I, two maps are presented. The first of these indicates the locations of all State, county, and city hospitals. The second indicates those private hospitals that reported 1939 data and these are included in the tables that follow. Locations of Veterans' Administration hospitals have not been indicated by a chart. Their facilities are well dispersed and serve the entire country.

CHART 1.—STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE: 1939

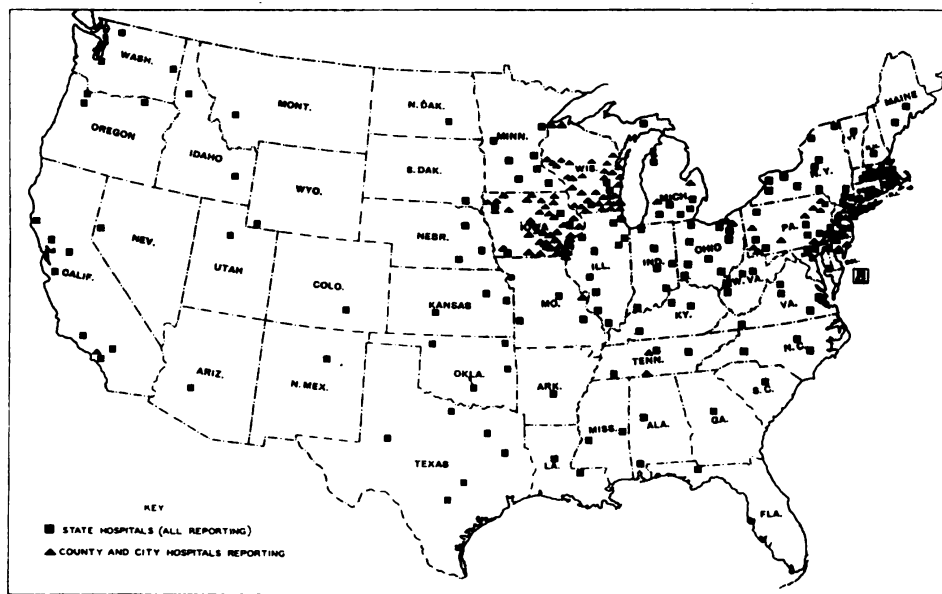
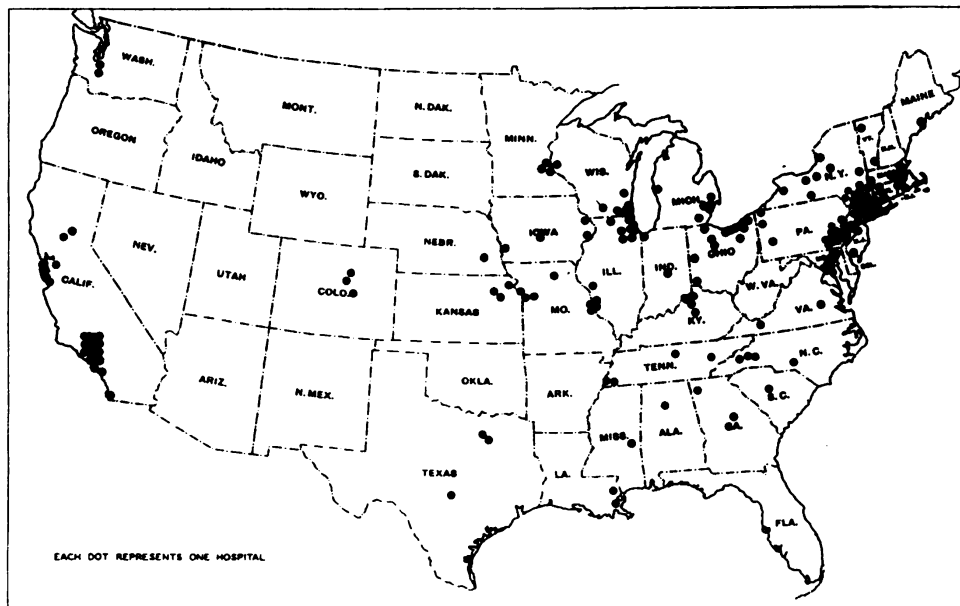




CHART 2.—REPORTING PRIVATE HOSPITALS FOR MENTAL DISEASE: 1939



**Significance of the data.**— The true prevalence and incidence of mental diseases in the population can be gauged but incompletely by numbers of hospitalized patients or of admissions to hospitals during the year. Usually, there are higher hospitalization rates when facilities are available in greater abundance, when they are easy of access, and when the type of treatment that a hospital provides is well thought of in the community. Even in a State with superior hospitalization facilities there are many persons with mental disorders who receive treatment from private psychiatrists, visit out-patient clinics, or are able to achieve the minimum degree of adjustment to their environment necessary to obviate psychiatric treatment. These patients do not enter into the present study. Acutely disturbed patients, however, will find hospitalization unavoidable. It is not likely that the mental disorders of hospitalized patients would display the same proportionate diagnostic distribution as the total number of mentally ill in the community, if that could be measured. For example, it is probable that general paresis, psychosis due to new growth, or to organic changes of the nervous system will ultimately require hospitalization, but a patient mildly disturbed with certain types of dementia praecox may never approach a point where hospital commitment is necessary.

The purpose of this enumeration is to provide information as to the extent of provision and use of hospital facilities, both public and private, for the mentally ill in each State; to furnish a measure of the quality of treatment that is afforded, insofar as it is indicated by expenditures and by the personnel that staff the hospitals; and to set forth a distribution of the types of mental disorder of resident patients and of incoming patients, both first admissions and readmissions, the prognosis of each psychosis as measured by rates of discharge, and an indication of the degree of fatality of each. Influences upon the data of administrative practices such as the extensive use of a parole system, the length of period of parole and its relationship to readmissions, the use of the practice of family care, et cetera, are noted.

**Treatment of the data.**—The report deals initially with a combination of information from hospitals under State, veterans', county, city, and private control. In some of the tables one or another of the types of hospitals has been excluded. Where this has been done, explanation is made of the reason for the exclusion. In the 1939 enumeration, complete sets of schedules were sent for the first time to veterans' hospitals as well as to county and city hospitals, so that it is possible to present data from all public hospitals for readmissions, discharges, and deaths, as well as for movement of patient population, first admissions, and resident patient population.

Following this presentation of combined material, more detailed analysis is given of data for State hospitals for mental disease. In conclusion the data for veterans', county and city, private, and psychopathic hospitals, and for psychiatric wards in general hospitals are presented separately.

Throughout that part of the report dealing with mental disease, except for psychopathic hospitals, total figures and rates are presented for each State and geographic division.

#### ALL HOSPITALS FOR MENTAL DISEASE

In the following tables a composite presentation of the data secured from all hospitals for mental disease is made. It should be borne in mind that State, county, and city hospitals on the whole draw their patient population preponderantly from within State boundaries. For veterans' or private hospitals this is not necessarily true. The 27 veterans' mental hospitals were located in 24 States, and the State of hospitalization of the patient in at least one-fourth of the cases did not coincide with the State of residence of the patient before hospitalization. To enable more accurate presentation of total rates of hospitalized prevalence of mental disease, by State, the Veterans' Administration prepared a special tabulation giving the State of residence before hospitalization of each mental patient in veterans' hospitals. Consequently there is some difference in rates of hospitalization and rates of first admission computed on the basis of State of residence of the patient, as differentiated from State of hospitalization. Those States in which veterans' hospitals are located will be credited with somewhat increased rates, unless the patients are allocated to State of residence before hospitalization. To a lesser degree, because fewer patients are involved, the rates will be influenced by private hospital patients also. The total hospitalization rates that are presented for each State are in error only to the extent to which private hospital patients have migrated across State boundaries.

Private hospitals for mental disease in 31 States and the District of Columbia have responded to this enumeration. Reports were not received from some hospitals to which forms had been sent, and undoubtedly there were other hospitals to which forms had not been addressed. Since many States do not have a central system of hospital registration, the Bureau of the Census may not have obtained a complete list of private hospitals for every State.

County hospitals were reported in only seven States and city hospitals in five States. The patient population in some of these hospitals was large. Failure to take these patients into consideration resulted in a distorted comparison of public provision of facilities for the mentally ill. In Wisconsin, for example, more than four-fifths of mental patients in custody in public hospitals were under care in county hospitals. State hospital figures alone were necessarily inadequate.

Although some private and county hospitals did not respond, their patient population was known to be small. We have every reason to believe that the hospitalized patient population in hospitals for mental disease as reported in these tables is substantially 100 percent complete.

**Movement of patient population.**—At the end of 1939 State hospitals were credited with 85.4 percent of patients on the books of all hospitals for mental disease; veterans' hospitals cared for 5.6 percent of the total; county and city had 6.7 percent, and private hospitals 2.3 percent. On the whole these

figures point to a trend over some years of increasing State and Federal care of hospitalized patients with mental disease. State hospitals reported 1,303 patients in family care at the end of 1939. No hospitals under other than State control have adopted this practice.

A greater proportion of patients on books were on parole or other absence status from State hospitals than from hospitals under any other type of control. Parole may be defined as a period of trial during which a patient attempts adjustment to community life, and may last anywhere from 30 days to 3 years, depending upon State law. In the interim the patient is retained on the hospital books in order to facilitate his readmission should it at any time prove necessary. Patients who were absent from the hospital during a holiday period or on temporary trial visit are in some instances included in this category.

In most States a 1-year period of parole is observed. It is apparent that the length of time during which a patient may return to a hospital without recommitment will influence to a great extent the rates of readmission in that hospital. This factor should be borne in mind in interpreting interstate variation in rates of readmission.

The greater the number of social workers a hospital is able to employ, the larger will be the number of paroled patients who may be given the benefit of follow-up care in their own homes. Close periodic check on the activities of paroled patients is important. It may be observed that those States with the largest number of paroled patients are either more progressive in their attitudes toward the care of mental disease, or else their hospitals are so severely overcrowded that it has become necessary to place patients on parole as quickly as possible in order that others in more urgent need of hospitalization may be admitted.

At the end of 1939 there were 531,002 patients on books of all hospitals for mental disease. This was an increase of more than 16,000 patients in the course of the year. At the end of the year there were 472,385 patients in hospitals, an increase of more than 13,000 over the number of patients in hospitals at the beginning of the year.

There were more admissions (155,032) to all hospitals during the year, than there were separations (138,742) during the same period. Veterans' and private hospitals had disproportionately large shares of readmissions. The hospitals maintained by the Veterans' Administration, because of more adequate bed capacity than most State hospitals, provide for readmission of patients less acutely ill. It is also evident that more patients in veterans' hospitals have types of mental disorder that require frequent readmission. Private hospital patients are, in many cases, not so severely disturbed as those admitted to a public hospital. Many times a mildly psychotic patient remains unhospitalized unless he is able to pay for his treatment.

The continuous increase in the number of patients hospitalized for mental disease is due to a variety of factors. Despite an ever-increasing number of beds provided for the care of mental patients, there is no lessening of the promptness with which they are filled. Increasing urbanization makes necessary the hospitalization of many chronic patients, since the aged or infirm are not so readily cared for in a city environment as they may be in a rural locality. As the prevalence of mental disorders is greater among those of more advanced years, the fact that the median age of the general population is steadily advancing will ultimately be responsible for a tremendous increase in the incidence of mental disease, that is, unless methods of prevention and treatment of old-age psychoses undergo a revolutionary change.

City and county hospitals for mental patients were maintained in 10 States, but the number of patients they cared for constituted a considerable proportion of the total in only 5. In Wisconsin there were almost five times as many patients on the books of county hospitals (11,186) as there were on books of the State hospitals (2,326). New Jersey (6,457), Pennsylvania (11,151), Iowa (1,329), and Missouri (3,882) also had many patients on books of county or city hospitals at the end of 1939. Seventeen States had no private hospitals reporting mental patients in 1939.

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 1.—MOVEMENT OF PATIENT POPULATION IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX: 1939

MOVEMENT OF PATIENTS	Total	Male	Female	PUBLIC HOSPITALS					
				State			Veterans' Administration		
				Total	Male	Female	Total	Male	Female
Patients on books at beginning of year	514,712	277,958	236,754	440,547	228,241	212,306	27,815	27,758	57
In hospital	459,258	248,134	211,124	369,979	201,376	188,603	26,675	26,623	52
In family care <sup>1</sup>	1,316	486	830	1,316	486	830	—	—	—
On parole or otherwise absent	54,138	29,338	24,800	49,252	26,379	22,873	1,140	1,135	5
Admissions during year	155,032	91,951	63,081	108,467	61,355	47,112	12,056	12,033	23
First admissions	110,773	65,193	45,580	81,655	47,085	34,570	6,126	6,114	12
Readmissions	34,960	21,055	13,905	22,189	11,915	10,274	3,682	3,675	7
Transfers from other hospitals for mental disease	9,299	5,703	3,596	4,623	2,355	2,268	2,248	2,244	4
Separations during year	138,742	83,290	55,452	95,657	55,483	40,174	10,043	10,018	25
Discharges <sup>2</sup>	91,863	56,013	35,850	57,606	33,485	24,121	8,354	8,336	18
Direct from hospitals	51,520	34,023	17,297	21,768	14,554	7,214	6,689	6,660	9
While on parole	40,543	21,990	18,553	35,838	18,931	16,907	1,685	1,676	9
Transfers to other hospitals for mental disease	9,547	5,808	3,939	5,837	3,633	2,204	509	506	3
Deaths in hospital	36,439	21,173	15,266	31,451	17,933	13,518	1,170	1,166	4
Deaths while on parole	893	496	397	763	432	331	10	10	—
Patients on books at end of year	531,002	286,619	244,383	453,357	234,113	219,244	29,828	29,772	56
In hospital	472,385	255,572	216,813	400,017	206,236	193,781	28,653	28,601	52
In family care <sup>1</sup>	1,303	493	810	1,303	493	810	—	—	—
On parole or otherwise absent	57,314	30,554	26,760	52,037	27,384	24,653	1,175	1,171	4

MOVEMENT OF PATIENTS	PUBLIC HOSPITALS—Continued			PRIVATE HOSPITALS			PERCENT OF TOTAL			
	County and city			Total	Male	Female	State	Veterans' Administration	County and city	Private
	Total	Male	Female							
Patients on books at beginning of year	34,422	17,378	17,044	11,928	4,581	7,347	85.6	5.4	6.7	2.3
In hospitals	31,485	15,865	15,620	11,121	4,272	6,849	84.9	5.8	6.9	2.4
In family care <sup>1</sup>	—	—	—	807	309	498	100.0	—	—	—
On parole or otherwise absent	2,939	1,515	1,424	807	309	498	91.0	2.1	5.4	1.5
Admissions during year	9,270	5,312	3,958	25,239	13,251	11,988	70.0	7.8	6.0	16.3
First admissions	6,713	4,007	2,706	16,279	7,987	8,292	73.7	5.5	6.1	14.7
Readmissions	1,153	580	573	7,936	4,885	3,051	63.5	10.5	3.3	22.7
Transfers from other hospitals for mental disease	1,404	725	679	1,024	379	645	49.7	24.2	15.1	11.0
Separations during year	7,990	4,687	3,303	25,052	13,101	11,951	68.9	7.2	5.8	18.1
Discharges	4,117	2,502	1,615	21,786	11,690	10,096	62.7	9.1	4.5	23.7
Direct from hospitals	2,376	1,604	772	20,507	11,205	9,302	42.4	13.0	4.6	40.0
While on parole	1,741	898	843	1,279	485	794	88.4	4.2	4.3	3.2
Transfers to other hospitals for mental disease	1,215	642	573	1,986	827	1,159	61.1	5.3	12.7	20.8
Deaths in hospital	2,594	1,505	1,089	1,224	568	656	86.3	3.2	7.1	3.4
Deaths while on parole	64	38	26	56	16	40	85.4	1.1	7.2	6.3
Patients on books at end of year	35,702	18,003	17,699	12,115	4,731	7,384	85.4	5.6	6.7	2.3
In hospital	32,463	16,367	16,096	11,252	4,368	6,884	84.7	6.1	6.9	2.4
In family care <sup>1</sup>	—	—	—	863	—	—	100.0	—	—	—
On parole or otherwise absent	3,239	1,636	1,603	863	363	500	90.8	2.1	5.7	1.5

<sup>1</sup> Only public hospitals were requested to report number of patients "In family care."  
<sup>2</sup> Figures shown on the movement table include all discharges from veterans' hospitals for mental disease. Only those patients with mental disorders are reported by clinical diagnosis on subsequent tables showing discharges.



TABLE 2.—MOVEMENT OF PATIENT POPULATION IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITALS, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	SEPARATIONS DURING YEAR					ON BOOKS AT END OF YEAR				
	Total	Public hospitals			Private hospitals	Total	Public hospitals			Private hospitals
		State	Vet- erans' Admin- istration	County and city			State	Vet- erans' Admin- istration	County and city	
United States	138,742	95,657	10,043	7,990	25,052	531,002	453,357	29,828	35,702	12,115
NEW ENGLAND	12,121	8,970	229	-----	2,922	46,335	42,151	2,028	-----	2,156
Maine	571	559	-----	-----	12	2,885	2,874	-----	-----	11
New Hampshire	553	553	-----	-----	-----	2,422	2,422	-----	-----	-----
Vermont	785	364	-----	-----	421	1,861	1,061	-----	-----	800
Massachusetts	6,547	5,424	229	-----	894	27,632	25,084	2,028	-----	520
Rhode Island	632	390	-----	-----	242	3,368	3,140	-----	-----	228
Connecticut	3,033	1,680	-----	-----	1,353	8,167	7,570	-----	-----	597
MIDDLE ATLANTIC	30,282	20,609	1,042	4,351	4,280	141,873	115,293	5,994	17,608	2,978
New York	17,687	14,584	561	-----	2,542	83,851	78,669	3,343	-----	1,839
New Jersey	5,769	2,506	228	2,476	559	19,518	11,774	1,130	6,457	157
Pennsylvania	6,826	3,519	253	1,875	1,179	38,504	24,850	1,521	11,151	962
EAST NORTH CENTRAL	30,056	20,717	1,628	2,217	5,494	104,593	83,260	7,354	11,772	2,207
Ohio	6,514	3,979	306	636	1,593	25,351	22,880	1,295	569	607
Indiana	2,454	1,922	231	-----	301	10,757	9,151	1,559	-----	47
Illinois	11,325	9,647	729	-----	949	35,115	31,581	3,075	-----	459
Michigan	4,469	2,727	277	249	1,216	19,153	17,322	1,120	17	694
Wisconsin	5,294	2,442	85	1,332	1,435	14,217	2,326	305	11,186	400
WEST NORTH CENTRAL	11,909	8,426	346	624	2,513	51,515	43,124	2,082	5,211	1,098
Minnesota	2,770	2,417	195	-----	158	12,751	11,680	1,046	-----	25
Iowa	2,843	1,711	151	155	826	10,820	7,765	1,036	1,329	490
Missouri	3,574	2,113	-----	469	992	13,899	9,577	-----	3,882	440
North Dakota	425	425	-----	-----	-----	2,131	2,131	-----	-----	-----
South Dakota	383	383	-----	-----	-----	1,616	1,616	-----	-----	-----
Nebraska	729	528	-----	-----	201	4,605	4,523	-----	-----	82
Kansas	1,185	849	-----	-----	336	5,693	5,832	-----	-----	61
SOUTH ATLANTIC	16,835	11,682	1,347	328	3,498	65,369	60,108	3,603	55	1,603
Delaware	227	227	-----	-----	-----	1,427	1,427	-----	-----	-----
Maryland	3,164	1,235	331	328	1,270	10,117	7,532	1,356	55	1,174
Dist. of Col.	832	832	-----	-----	-----	6,384	6,384	-----	-----	-----
Virginia	4,520	3,507	390	-----	623	14,232	13,063	1,082	-----	107
West Virginia	1,153	1,153	-----	-----	-----	4,209	4,209	-----	-----	-----
North Carolina	1,668	964	-----	-----	704	9,198	9,028	-----	-----	170
South Carolina	1,634	1,328	-----	-----	306	5,426	5,410	-----	-----	16
Georgia	2,665	1,444	626	-----	595	9,492	8,171	1,185	-----	136
Florida	972	972	-----	-----	-----	4,884	4,884	-----	-----	-----
EAST SOUTH CENTRAL	12,370	7,120	3,155	170	1,925	28,144	24,295	2,943	489	417
Kentucky	2,644	1,753	316	-----	575	7,626	6,948	582	-----	96
Tennessee	2,202	1,326	-----	170	706	6,293	5,524	-----	489	280
Alabama	4,506	1,763	2,303	-----	440	7,763	6,224	1,515	-----	24
Mississippi	3,018	2,278	536	-----	204	6,462	5,599	846	-----	17
WEST SOUTH CENTRAL	10,121	8,066	1,089	-----	966	37,268	34,610	2,312	-----	346
Arkansas	2,305	1,681	624	-----	-----	6,673	5,410	1,263	-----	-----
Louisiana	2,225	1,652	-----	-----	573	7,370	7,064	-----	-----	286
Oklahoma	2,040	2,040	-----	-----	-----	7,771	7,771	-----	-----	-----
Texas	3,551	2,693	465	-----	393	15,454	14,345	1,049	-----	60
MOUNTAIN	3,099	2,140	421	-----	538	13,427	11,999	1,247	-----	181
Montana	470	470	-----	-----	-----	1,991	1,991	-----	-----	-----
Idaho	257	257	-----	-----	-----	1,210	1,210	-----	-----	-----
Wyoming	358	101	257	-----	-----	1,210	653	557	-----	-----
Colorado	1,228	526	164	-----	538	5,214	4,343	690	-----	181
New Mexico	120	120	-----	-----	-----	1,164	1,164	-----	-----	-----
Arizona	316	316	-----	-----	-----	1,041	1,041	-----	-----	-----
Utah	287	287	-----	-----	-----	1,222	1,222	-----	-----	-----
Nevada	63	63	-----	-----	-----	375	375	-----	-----	-----
PACIFIC	11,949	7,947	786	300	2,916	42,478	38,517	2,265	567	1,129
Washington	1,743	1,313	240	-----	190	7,624	6,914	672	-----	38
Oregon	1,400	1,144	256	-----	-----	5,573	5,116	455	-----	-----
California	8,806	5,490	290	300	2,726	29,281	26,485	1,138	567	1,091

Discharges made directly from all hospitals (51,320) were slightly more numerous than discharges of patients on parole (40,543). There is considerable interstate variation in practices observed with respect to discharge. States that discharge all of their patients directly from the hospital are generally those in which facilities for after-care of paroled patients are meager, or those in which the area from which the patient population of the hospital is drawn is wide and inaccessible.

Deaths of patients in the hospital are maintained separately from deaths while on parole, because it is appropriate that deaths which do not occur within the hospital should not be charged to the hospital.

Trend in hospitalization.—It would be desirable when expressing rates of prevalence of hospitalized mental diseases to base them only on the proportion of the population that is liable to the risk of hospitalization. Children below the age of 15 years rarely receive mental hospital care. (Less than 0.3 percent of patients reported to be in residence in State hospitals for mental disease were under 15 years of age.) In the accompanying table, however, only crude rates of hospitalization expressed per 100,000 of the estimated population are presented. These rates differ somewhat from those that have been presented for the intercensal period 1930 to 1939 in previous reports, because they are based on recomputed annual intercensal population estimates.

At the end of 1939 the rate of hospitalization for all hospitals for mental disease, per 100,000 of the estimated population, was 359.3, an increase of 7.1 points over the rate at the beginning of the year. This was a smaller increase than that from the beginning of 1938 to the beginning of 1939 (8.2 points), probably because the provision of facilities for the mentally ill in some of the more populous States, is more nearly adequate than it ever was before. In table 4 rates have not been computed for some of the years in which an enumeration was made, because data were collected from State hospitals only.

Since 1933 the number of patients in State and veterans' hospitals has increased considerably—in State hospitals by almost one-fourth at the end of 1939, and in veterans' hospitals by one and a fourth times in the same period. In county, city, and private hospitals, however, the number of patients has remained fairly uniform, with slightly more than 30,000 patients in residence in county and city hospitals, and a little more than 10,000 in residence in private hospitals.

Patients absent.—The proportion of all patients on the books of hospitals who were absent on parole or on a visit at the beginning of 1939 varied so widely among the States (from 0.9 percent in Tennessee to 31.3 percent in Virginia) that some explanation should be given as to the cause. For the entire country the ratio was 10.8 percent. Virginia (31.3 percent) and Mississippi (25.8 percent) showed the largest proportions. Other States in the South and Southwest also had large ratios of patients absent from the hospital.

A possible explanation may be found in the diagnoses of patients under treatment. The commitment laws of Virginia are liberal in that inebriates may be admitted to the State hospitals, and are admitted freely; in addition the DeJarnette Sanitarium, a State-aided institution, provides largely for their care. In few States is the provision for inebriates so generous. The period of hospitalization of an inebriate patient is comparatively short and frequently repeated. If such patients are retained on parole status, frequent returns are facilitated. In some States where there were large numbers of patients reported on parole, it is possible that the period of parole before discharge was long, causing an accumulation of paroled patients. (For listing of unpublished data that are available, see page IX)

In Virginia the rate of hospitalization (365.2 per 100,000) was slightly higher than the rate for the country as a whole (359.0 per 100,000), while in Mississippi the rate was 202.5 per 100,000 (table 5). Low rates of hospitalization occurred generally in the South and Southwest and were found to a large extent to be concomitant with high ratios of patients on parole. It may be that as unhospitalized patients with acute mental illness begin to accumulate, it becomes increasingly necessary to make room for them in State hospitals, and that can only be done by placing large numbers of patients on parole. This would probably not be true in a State where hospitalization facilities were more nearly adequate.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 3.—MOVEMENT OF PATIENT POPULATION IN STATE, VETERANS', COUNTY, CITY,

DIVISION AND STATE	ON BOOKS AT BEGINNING OF YEAR				ADMISSIONS DURING YEAR			
	Total	In hospital	In family care	On parole or otherwise absent	Total	First admissions	Readmissions	Transfers
1 United States-----	514,712	459,258	1,316	54,138	155,032	110,773	34,960	9,299
2 NEW ENGLAND-----	45,653	41,735	363	3,555	12,803	8,336	3,823	644
3 Maine-----	2,862	2,691	-----	171	594	472	120	2
4 New Hampshire-----	2,559	2,136	-----	223	616	453	163	-----
5 Vermont-----	1,860	1,841	-----	19	766	460	277	49
6 Massachusetts-----	27,342	24,602	321	2,419	6,837	4,304	2,130	403
7 Rhode Island-----	3,105	2,816	39	250	695	692	198	5
8 Connecticut-----	8,125	7,649	3	473	3,075	1,955	935	185
9 MIDDLE ATLANTIC-----	136,764	123,571	542	12,671	35,371	26,252	7,218	1,901
10 New York-----	80,265	73,004	542	6,719	21,273	15,271	4,662	1,340
11 New Jersey-----	19,131	17,208	-----	1,923	6,156	4,891	1,115	150
12 Pennsylvania-----	37,368	33,359	-----	4,029	7,942	6,090	1,441	411
13 EAST NORTH CENTRAL-----	101,424	92,569	364	8,471	33,225	22,520	7,527	3,178
14 Ohio-----	24,848	21,014	317	3,517	7,017	5,333	1,148	536
15 Indiana-----	10,373	9,701	-----	672	2,838	2,075	407	356
16 Illinois-----	33,828	32,581	-----	1,247	12,612	8,538	3,368	686
17 Michigan-----	18,607	16,650	67	1,890	5,015	3,603	1,178	234
18 Wisconsin-----	13,768	12,623	-----	1,145	5,743	2,971	1,406	1,366
19 WEST NORTH CENTRAL-----	50,348	44,501	-----	5,847	13,076	9,647	2,408	1,021
20 Minnesota-----	12,422	10,604	-----	1,818	3,099	2,125	337	637
21 Iowa-----	10,682	9,343	-----	1,339	2,781	1,872	634	275
22 Missouri-----	13,512	12,393	-----	1,119	3,961	3,057	855	69
23 North Dakota-----	2,098	1,868	-----	230	458	376	82	-----
24 South Dakota-----	1,621	1,602	-----	19	378	264	114	-----
25 Nebraska-----	4,412	3,965	-----	447	922	804	108	10
26 Kansas-----	5,601	4,726	-----	875	1,477	1,149	296	30
27 SOUTH ATLANTIC-----	63,409	53,094	-----	10,315	18,795	13,729	4,209	857
28 Delaware-----	1,349	1,143	-----	206	305	273	32	-----
29 Maryland-----	9,675	8,911	-----	764	3,606	2,244	918	444
30 Dist. of Columbia-----	6,090	5,695	-----	395	1,126	913	213	-----
31 Virginia-----	14,205	9,754	-----	4,451	4,547	3,342	855	350
32 West Virginia-----	4,229	3,849	-----	380	1,133	903	221	9
33 North Carolina-----	8,203	6,851	-----	1,352	2,663	2,050	600	13
34 South Carolina-----	5,154	4,390	-----	764	1,906	1,359	545	2
35 Georgia-----	9,542	8,204	-----	1,338	2,615	1,933	672	10
36 Florida-----	4,982	4,297	-----	685	894	712	153	29
37 EAST SOUTH CENTRAL-----	27,697	24,442	-----	3,255	12,817	8,496	3,962	359
38 Kentucky-----	7,398	6,673	-----	725	2,872	2,003	771	98
39 Tennessee-----	6,166	6,113	-----	53	2,329	1,529	776	24
40 Alabama-----	7,663	6,855	-----	808	4,606	2,798	1,687	121
41 Mississippi-----	6,470	4,801	-----	1,669	3,010	2,166	728	116
42 WEST SOUTH CENTRAL-----	36,313	31,891	-----	4,422	11,076	8,367	2,174	535
43 Arkansas-----	6,516	5,230	-----	1,286	2,462	1,668	586	208
44 Louisiana-----	7,439	6,197	-----	1,242	2,156	1,930	214	12
45 Oklahoma-----	7,850	7,052	-----	798	1,961	1,503	452	6
46 Texas-----	14,508	13,412	-----	1,096	4,497	3,266	922	309
47 MOUNTAIN-----	12,994	11,655	27	1,312	3,532	2,469	780	283
48 Montana-----	1,974	1,897	27	50	487	323	164	-----
49 Idaho-----	1,135	931	-----	204	332	266	39	7
50 Wyoming-----	1,191	1,129	-----	62	377	290	86	1
51 Colorado-----	5,077	4,619	-----	458	1,365	720	373	272
52 New Mexico-----	1,047	853	-----	194	237	213	24	-----
53 Arizona-----	1,041	857	-----	184	316	288	25	3
54 Utah-----	1,165	1,025	-----	140	344	281	63	-----
55 Nevada-----	364	344	-----	20	74	68	6	-----
56 PACIFIC-----	40,090	35,800	-----	4,290	14,337	10,957	2,859	521
57 Washington-----	7,302	6,792	-----	510	2,065	1,588	410	67
58 Oregon-----	5,281	4,496	-----	785	1,692	1,389	272	31
59 California-----	27,507	24,512	-----	2,995	10,560	7,980	2,177	423



MENTAL DISEASE

AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939

SEPARATIONS DURING YEAR							ON BOOKS AT END OF YEAR				
Total	Discharges			Transfers	Deaths		Total	In hospital	In family care	On parole or otherwise absent	
	Total	Direct from hospital	While on parole		In hospital	While on parole					
136,742	91,863	51,320	40,543	9,547	36,439	893	531,002	472,385	1,303	57,314	1
12,121	7,912	4,679	3,233	689	3,443	77	46,335	42,167	419	3,729	2
571	318	156	182	5	244	4	2,885	2,729		156	3
553	332	1	331		221		2,422	2,154		268	4
785	597	539	58	23	165		1,861	1,839		22	5
6,547	4,081	2,251	1,850	449	1,957	60	27,632	24,776	357	2,499	6
632	385	203	182	11	232	4	3,568	2,999	60	509	7
3,053	2,199	1,549	650	201	624	9	8,167	7,690	2	475	8
30,282	17,910	8,581	9,529	2,107	9,978	289	141,873	128,057	437	13,379	9
17,687	10,151	4,555	5,596	1,355	6,030	151	83,851	76,377	437	7,037	10
5,769	3,702	2,491	1,211	324	1,682	81	19,518	17,465		2,053	11
6,826	4,057	1,355	2,722	428	2,284	57	38,504	34,215		4,289	12
30,056	19,426	11,271	8,155	3,077	7,387	166	104,593	95,212	371	9,010	13
6,514	4,226	2,089	2,137	766	1,486	46	25,351	21,253	356	3,742	14
2,454	1,326	658	668	338	766	24	10,757	10,097		660	15
11,325	7,702	4,515	3,187	491	3,084	48	35,115	33,754		1,361	16
4,469	2,902	1,519	1,583	358	1,177	32	19,153	17,128	15	2,010	17
5,294	3,270	2,090	580	1,134	874	16	14,217	12,980		1,237	18
11,909	7,372	3,474	3,898	1,307	3,090	140	51,515	45,204		6,311	19
2,770	1,319	434	885	594	806	51	12,751	10,948		1,803	20
2,943	1,779	894	885	450	566	48	10,620	9,306		1,312	21
3,574	2,527	1,211	1,316	100	944	3	13,899	12,462		1,437	22
425	322	117	205	10	93		2,131	1,900		231	23
383	277	277			108		1,616	1,604		12	24
729	439	180	259	65	220	5	4,605	4,065		520	25
1,185	709	361	548	88	355	33	5,893	4,897		996	26
16,835	12,079	7,983	4,096	831	3,885	40	65,369	54,803		10,566	27
227	104	1	103	11	112		1,427	1,201		226	28
3,184	2,024	1,460	564	450	661	29	10,117	9,042		1,075	29
832	537	307	230		295		6,384	5,962		422	30
4,820	3,491	3,460	31	222	807		14,232	10,157		4,075	31
1,153	797	553	264	17	355	4	4,209	3,886		323	32
1,688	1,091	524	567	75	502		9,198	6,967		2,231	33
1,634	1,213	575	638	20	401		5,426	4,488		938	34
2,665	2,172	1,028	1,144	15	477	1	9,492	8,598		894	35
972	650	95	555	21	295	6	4,684	4,502		362	36
12,370	9,701	5,044	4,657	272	2,381	16	28,144	24,860		3,284	37
2,644	1,900	1,242	658	45	685	14	7,626	6,880		746	38
2,202	1,698	1,000	698	21	481	2	6,293	6,219		74	39
4,506	3,768	2,258	1,510	111	627		7,763	7,026		737	40
3,018	2,335	544	1,791	95	588		6,462	4,735		1,727	41
10,121	7,166	3,822	3,344	563	2,371	21	37,268	33,154		4,114	42
2,305	1,673	749	924	59	573		6,673	5,518		1,155	43
2,225	1,718	1,308	410	12	495		7,370	6,484		886	44
2,040	1,245	239	1,006	274	515	6	7,771	6,934		837	45
3,551	2,530	1,526	1,004	218	788	15	15,454	14,218		1,236	46
3,099	1,999	1,422	577	137	942	21	13,427	11,863	78	1,488	47
470	274	274		14	182		1,991	1,894	78	21	48
257	126	62	64	1	124	6	1,210	972		238	49
358	281	219	62	12	64	1	1,210	1,149		61	50
1,228	810	599	211	80	336	2	5,214	4,716		498	51
120	35	16	19	2	79	4	1,164	840		324	52
316	210	85	125	28	78		1,041	903		138	53
287	228	148	80		53	6	1,222	1,041		181	54
63	35	19	16		26	2	375	348		27	55
11,949	8,298	5,244	3,054	564	2,964	123	42,478	37,045		5,433	56
1,743	1,090	619	471	61	576	16	7,624	7,058		566	57
1,400	932	504	428	21	424	23	5,573	4,688		885	58
8,806	6,276	4,121	2,155	482	1,964	84	29,281	25,299		3,982	59

TABLE 4.—PATIENTS IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, AT THE BEGINNING OF THE YEAR, BY TYPE OF CONTROL OF HOSPITAL: 1923, 1926-40

YEAR	Total	Rate per 100,000 estimated population <sup>1</sup>	PUBLIC HOSPITALS			Private hospitals
			State	Veterans' Administration	County and city	
1940 <sup>2</sup>	472,385	359.3	400,017	28,653	32,463	11,252
1939	459,258	352.2	389,979	26,675	31,483	11,121
1938	444,989	344.0	374,169	24,353	35,421	11,046
1937	431,990	336.2	364,563	21,896	34,215	11,316
1936	419,832	328.7	353,604	20,972	34,753	10,503
1935	403,895	318.4	342,167	17,841	33,948	9,939
1934	391,791	310.9	332,094	16,894	32,979	9,824
1933	376,748	300.9	321,824	12,909	31,962	10,053
1932	305,031	—	305,031	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1931	337,573	273.0	292,284	10,473	26,258	8,558
1930	280,251	—	280,251	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1929	272,252	—	272,252	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1928	264,511	—	264,511	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1927	256,858	—	256,858	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1926	246,486	—	246,486	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1923	267,617	241.7	229,837	* 28,549	( <sup>3</sup> )	9,231

<sup>1</sup>Population as of January 1 of corresponding year.

<sup>2</sup>Number of patients reported for the end of the year 1939.

<sup>3</sup>Data not reported.

\*Patients in veterans', county, and city hospitals.

Rates of hospitalization.—Data presented in table 5 report patients in residence in all hospitals for mental disease as of December 31, 1939. They do not agree with data reported for movement of patient population on previous tables, which for some hospitals covered the fiscal year of an institution rather than the calendar year. It should be noted also that data for patients in veterans' hospitals are reported by the State of residence of the patient before hospitalization rather than by the States in which the veterans' hospitals are located.

The rate for the United States was 359.0 expressed per 100,000 of the general population. When considered by State, the rates were highest in New York (567.2), Massachusetts (558.0), and Vermont (530.6). The rate for the District of Columbia (935.5) has been excluded from this comparison because St. Elizabeths Hospital admits patients not only from the District of Columbia but from all parts of the country. Its facilities must allow for the care of patients who would otherwise be treated in Army, Navy, Marine, or Veterans' Administration hospitals. New Mexico had the lowest rate of hospitalization (174.3); Arizona (193.2) also had a rate of hospitalization below 200 per 100,000 of the population. The geographic divisions with the lowest rates of hospitalization were the East (225.0) and West (258.0) South Central and the Mountain (278.3) States. The South Atlantic States (308.3) was next with its average raised by the District of Columbia (935.5), Maryland (452.2), and Delaware (473.3), where adequacy of provision of hospital facilities more nearly resembled that of northern than of southern States.

Resident patients.—The distribution by clinical diagnosis of resident patients in State hospitals was made available for the country as a whole for 1923 and 1933 only. Not until 1939 were resident patients again enumerated, and in that year the age distribution by clinical diagnosis and sex for patients in residence in all public hospitals was requested. In addition, private hospitals reported their resident patient population by clinical diagnosis and sex, but not by age.

The classification of mental patients by psychosis, or type of mental disease, is important in a statistical study of the mental diseases. The classification used is that adopted by the American Psychiatric Association in 1934. Because the terminology differs somewhat from that used earlier than 1935, an exact comparison of the statistics in this report with those of 1934 and earlier years is not possible for certain groups of psychoses. The arrangement is such, however, that direct comparison can be made among the major psychoses.

TABLE 5.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS',<sup>1</sup> COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 100,000 ESTIMATED POPULATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All resident patients	Rate per 100,000 estimated population (Jan. 1, 1940)	DIVISION AND STATE	All resident patients	Rate per 100,000 estimated population (Jan. 1, 1940)
United States-----	472,266	<sup>2</sup> 359.0	SOUTH ATLANTIC—Contd.—		
NEW ENGLAND-----	42,324	501.9	Dist. of Columbia-----	6,174	935.5
Maine-----	2,838	335.5	Virginia-----	9,757	365.2
New Hampshire-----	2,268	461.9	West Virginia-----	4,260	224.4
Vermont-----	1,905	530.6	North Carolina-----	7,414	208.1
Massachusetts-----	24,095	558.0	South Carolina-----	4,797	253.0
Rhode Island-----	3,146	441.9	Georgia-----	8,053	258.2
Connecticut-----	8,072	472.9	Florida-----	4,867	258.1
MIDDLE ATLANTIC-----	128,576	467.4	EAST SOUTH CENTRAL-----	24,205	225.0
New York-----	76,346	567.2	Kentucky-----	7,041	247.8
New Jersey-----	17,700	425.8	Tennessee-----	6,787	233.3
Pennsylvania-----	34,530	349.0	Alabama-----	5,963	210.8
EAST NORTH CENTRAL-----	93,905	353.3	Mississippi-----	4,414	202.5
Ohio-----	21,219	307.5	WEST SOUTH CENTRAL-----	33,657	258.0
Indiana-----	9,687	283.0	Arkansas-----	4,717	242.3
Illinois-----	32,591	413.0	Louisiana-----	6,931	293.9
Michigan-----	17,128	327.3	Oklahoma-----	7,188	307.4
Wisconsin-----	13,280	423.9	Texas-----	14,821	231.5
WEST NORTH CENTRAL-----	46,575	344.7	MOUNTAIN-----	11,521	276.3
Minnesota-----	10,775	366.6	Montana-----	2,036	364.6
Iowa-----	8,854	349.1	Idaho-----	1,069	204.4
Missouri-----	13,531	357.9	Wyoming-----	692	276.8
North Dakota-----	2,039	317.1	Colorado-----	4,337	386.9
South Dakota-----	1,727	266.2	New Mexico-----	924	174.3
Nebraska-----	4,376	332.3	Arizona-----	962	193.2
Kansas-----	5,273	292.5	Utah-----	1,130	205.8
SOUTH ATLANTIC-----	54,796	308.3	Nevada-----	369	335.5
Delaware-----	1,259	473.3	PACIFIC-----	36,705	<sup>2</sup> 375.2
Maryland-----	8,217	452.2	Washington-----	6,906	398.7
			Oregon-----	4,566	<sup>2</sup> 392.1
			California-----	25,233	366.7

<sup>1</sup>Patients in veterans' hospitals reported by State of residence before hospitalization.

<sup>2</sup>Excluding Morningside Hospital in which the Federal Government maintains the mentally diseased of Alaska.

This classification divides mental disorders into two major groups, those with psychosis and those without psychosis. The group "with psychosis" is further subdivided into 21 special groups of psychoses, with an additional group for "other, undiagnosed, and unknown." The group "without psychosis" is subdivided into 7 definite groups of mental disorders, with an additional group classified as "other, unclassified, and unknown."

The tables, dealing with resident patients, include data for State, veterans', county, city, and private hospitals in every instance in which the tabulation deals with total figures or only with the distribution of clinical diagnoses. In those instances in which age distribution is tabulated, private hospitals have necessarily been omitted. The figures for resident patients given in these tables differ from patients reported in residence as part of the movement-of-patient-population tables preceding this. This is true for several reasons: (1) The data for age distribution and clinical diagnosis of the resident patient population of each hospital, given in this section, were reported as of December 31, 1939. Data on movement of patient population were reported by most hospitals for the period of the fiscal year ending in 1939. More than half of the hospitals have fiscal years that do not coincide with the calendar year. (2) It has not been possible to present the distribution by age and by clinical diagnosis for several hospitals by sex, since the data were not reported separately for males and females. In tables where no sex break-down is

presented, these figures are included in the totals (table 6). In tables (9, 10, 11, 12, and 13) presenting only data by sex with no complete total consolidation, figures for patients not reported by sex were included as a footnote on the table reporting male patients. In those tables in which complete total figures are presented as well as separate figures for males and for females, data that have not been reported with a sex break-down are included in the total figures but excluded from the break-downs by sex (tables 7 and 8).

At the end of 1939 there were 472,266 resident patients in State, veterans', county, city, and private hospitals for mental disease as compared with 265,829 at the end of 1922, an increase of 77.7 percent in the 18-year period.

In chart 3 comparison is made between selected clinical diagnoses in both years, and the proportion that they constituted of the total in both years is indicated. Dementia praecox (schizophrenia) remained the dominant diagnosis with 44.2 percent of all patients in 1939 as compared with 43.0 percent in 1922. Proportionate increases during the period were also shown by general paresis (from 3.5 percent of all patients in 1922 to 5.9 percent of all patients in 1939) and by psychosis with cerebral arteriosclerosis (from 1.7 percent in 1922 to 4.9 percent in 1939). The proportionate decline in senile psychosis (from 5.1 to 3.7 percent of the totals in 1922 and 1939, respectively) accompanied with an increase in the proportion of patients diagnosed with cerebral arteriosclerosis may indicate a shift from the former to the latter diagnosis in this 18-year period. In many instances differentiation between the two diagnoses is not clear-cut.

Alcoholic psychosis declined proportionately (from 2.8 percent to 2.3 percent) during the interval, as did manic-depressive psychosis (from 15.3 percent in 1922 to 9.2 percent in 1939).

The percentage increase in numbers of patients diagnosed with each of the six selected diagnoses in the period 1922 to 1939 ranged from 420.2 percent for cerebral arteriosclerosis to 6.9 percent for manic-depressive psychosis.

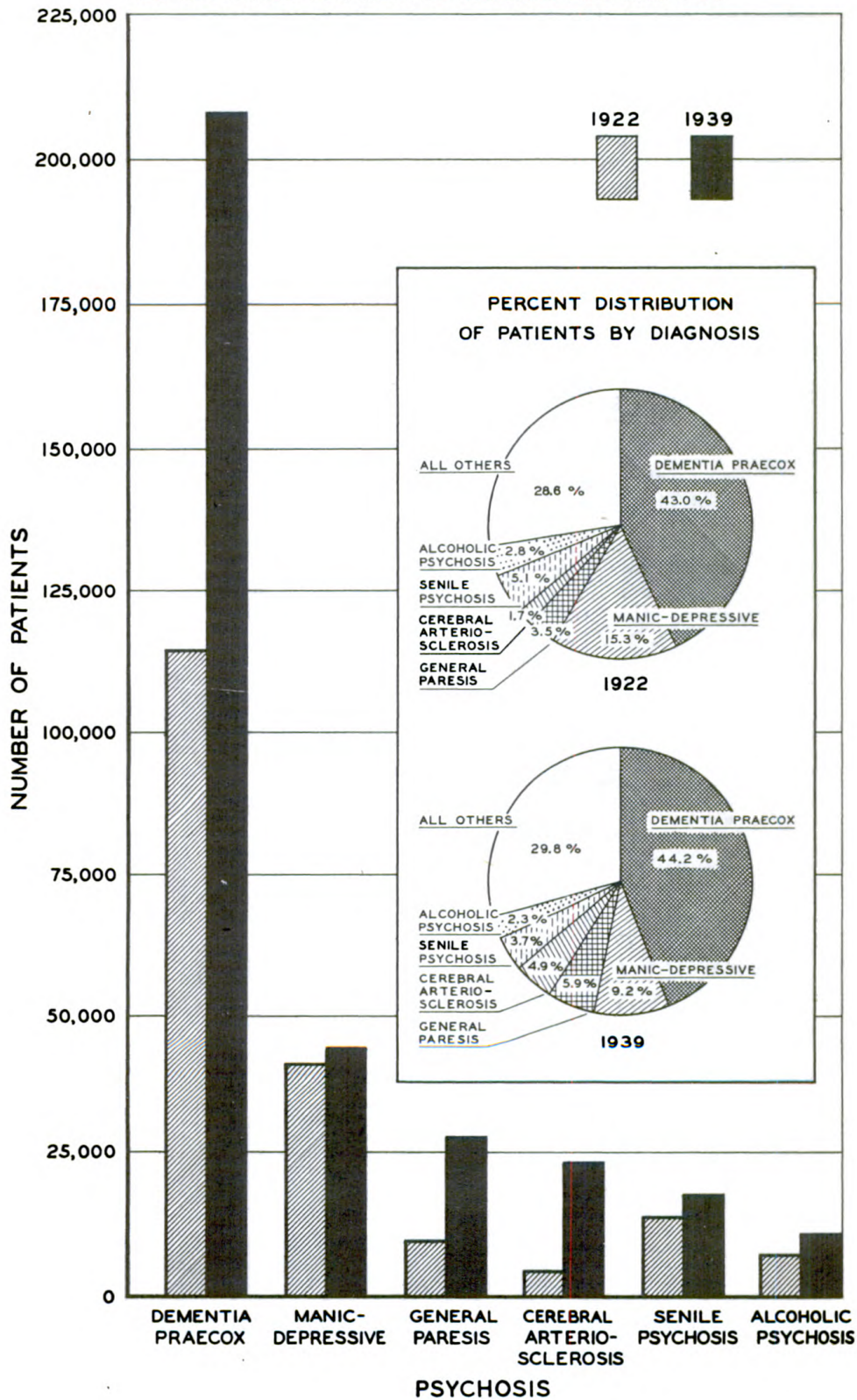
TABLE 6.—RESIDENT PATIENTS AT THE END OF THE YEAR, WITH SELECTED MENTAL DISORDERS, IN STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE: 1939 AND 1922

MENTAL DISORDER	1939		1922	
	Number	Percent	Number	Percent
Total	472,266	100.0	265,829	100.0
With psychosis	454,005	96.1	256,350	96.4
Dementia praecox (schizophrenia)	208,867	44.2	114,240	45.0
Manic-depressive	43,582	9.2	40,751	15.3
General paresis	27,780	5.9	9,394	3.5
With cerebral arteriosclerosis	22,987	4.9	4,419	1.7
Senile	17,294	3.7	13,585	5.1
Alcoholic	10,994	2.3	7,396	2.8
All other	122,499	25.9	66,545	25.0
Without psychosis	18,263	3.9	9,499	3.6

In all hospitals for mental disease, both public and private, 96.1 percent of resident patients were diagnosed as with psychosis, as shown in table 7. This was higher than the proportions in veterans' (95.8 percent), county and city (91.7 percent), and private hospitals (93.1 percent), but slightly lower than the proportion in State hospitals (96.6 percent). The diagnosis of 208,867 resident patients, or 44.2 percent of all, was dementia praecox (schizophrenia); manic-depressive psychosis and general paresis had the next largest numbers of patients.

CHART 3.—RESIDENT PATIENTS  
WITH SELECTED PSYCHOSES

ALL HOSPITALS FOR MENTAL DISEASE: 1922 AND 1939



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In the Veterans' Administration hospitals 5,143 patients, or 18.2 percent of all patients, were diagnosed as with general paresis. There were large proportions of patients with senile psychosis in county and city hospitals, 6.3 percent, and in private hospitals, 9.4 percent, as compared with a percentage of 3.7 in all hospitals. Private hospitals also had a larger proportion of patients with psychoneuroses, comprising 4.0 percent of the total as compared with 0.9 percent in all hospitals.

County and city hospitals cared for a large proportion of patients without psychosis, 8.3 percent, as compared with 3.9 percent in all hospitals combined. This was due largely to patients with mental deficiency who numbered 1,802 of the total of 2,691 patients without psychosis, and comprised 5.5 percent of total patients in county and city hospitals. The proportion of patients diagnosed as with alcoholism without psychosis was 2.9 percent of all patients in private hospitals, as compared with 0.5 percent of patients in all hospitals combined. Percent distributions have not been computed in the case of females in veterans' hospitals because there were only 51 female patients in residence.

TABLE 7.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND MENTAL DISORDER: 1939

(Percent not shown where less than 0.1)

SEX AND MENTAL DISORDER	NUMBER					PERCENT				
	All hospitals	Public hospitals			Private hospitals	All hospitals	Public hospitals			Private hospitals
		State	Veterans' Administration	County and city			State	Veterans' Administration	County and city	
Total	472,266	400,200	28,269	32,545	11,252	100.0	100.0	100.0	100.0	100.0
With psychosis	454,005	386,607	27,070	29,854	10,472	96.1	96.6	95.8	91.7	93.1
General paresis	27,780	20,963	5,143	1,529	145	5.9	5.2	18.2	4.7	1.3
With other forms of syphilis of the C.N.S.	5,150	4,400	408	273	69	1.1	1.1	1.4	0.8	0.6
With epidemic encephalitis	1,309	1,196	—	94	19	0.3	0.3	—	0.3	0.2
With other infectious diseases	687	576	36	45	30	0.1	0.1	0.1	0.1	0.3
Alcoholic	10,994	9,148	752	846	248	2.3	2.3	2.7	2.6	2.2
Due to drugs and other exogenous poisons	494	413	12	24	45	0.1	0.1	—	0.1	0.4
Traumatic	1,773	1,443	144	149	37	0.4	0.4	0.5	0.5	0.3
With cerebral arteriosclerosis	22,987	20,294	534	1,529	630	4.9	5.1	1.9	4.7	5.6
With other disturbances of circulation	605	506	14	62	23	0.1	0.1	—	0.2	0.2
With convulsive disorders	11,915	10,647	542	597	129	2.5	2.7	1.9	1.8	1.1
Senile	17,294	14,002	178	2,057	1,057	3.7	3.5	0.6	6.3	9.4
Involitional psychoses	10,144	8,650	123	695	676	2.1	2.2	0.4	2.1	6.0
Due to other metabolic, etc., diseases	2,331	2,068	41	146	76	0.5	0.5	0.1	0.4	0.7
Due to new growth	154	124	7	5	18	—	—	—	—	0.2
With organic changes of the nervous system	3,696	2,950	478	218	50	0.8	0.7	1.7	0.7	0.4
Psychoneuroses	4,042	3,533	—	264	445	0.9	0.8	—	0.8	4.0
Manic-depressive	43,582	37,619	1,057	3,453	1,453	9.2	9.4	3.7	10.6	12.9
Dementia praecox (schizophrenia)	208,867	176,454	16,025	12,620	3,768	44.2	44.1	56.7	38.8	33.5
Paranoia and paranoid conditions	12,144	10,292	89	1,297	466	2.6	2.6	0.3	4.0	4.1
With psychopathic personality	4,274	3,660	212	277	125	0.9	0.9	0.7	0.9	1.1
With mental deficiency	25,954	22,676	673	2,299	306	5.5	5.7	2.4	7.1	2.7
Other, undiagnosed, and unknown	37,827	35,193	602	1,375	657	8.0	8.8	2.1	4.2	5.8
Without psychosis	18,263	13,593	1,199	2,691	780	3.9	3.4	4.2	8.3	6.9
Epilepsy	2,188	1,571	156	421	40	0.5	0.4	0.6	1.3	0.4
Mental deficiency	9,171	7,183	98	1,802	88	1.9	1.8	0.3	5.5	0.8
Alcoholism	2,561	1,811	254	174	322	0.5	0.5	0.9	0.5	2.9
Drug addiction	337	246	13	12	66	0.1	0.1	—	—	0.6
Personality disorders due to epidemic encephalitis	140	114	—	19	7	—	—	—	0.1	0.1
Psychopathic personality	1,254	986	139	70	59	0.3	0.2	0.5	0.2	0.5
Primary behavior disorders	397	311	—	12	74	0.1	0.1	—	—	0.7
Other, unclassified, and unknown	2,215	1,371	539	181	124	0.5	0.3	1.9	0.6	1.1

MENTAL DISEASE

TABLE 7.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND MENTAL DISORDER: 1939—Continued

(Percent not shown where less than 0.1)

SEX AND MENTAL DISORDER	NUMBER					PERCENT				
	All hospitals	Public hospitals			Private hospitals	All hospitals	Public hospitals			Private hospitals
		State	Veterans' Administration	County and city			State	Veterans' Administration	County and city	
Male <sup>1</sup> .....	253,122	204,306	28,218	16,250	4,568	100.0	100.0	100.0	100.0	100.0
With psychosis.....	241,821	196,048	27,022	14,894	3,857	95.5	96.0	95.8	91.8	88.3
General paresis.....	21,668	15,302	5,140	1,125	101	8.6	7.5	18.2	6.9	2.3
With other forms of syphilis of the C.N.S.....	3,442	2,828	408	176	30	1.4	1.4	1.4	1.1	0.7
With epidemic encephalitis.....	850	775	—	64	11	0.5	0.4	—	0.4	0.3
With other infectious diseases.....	343	269	36	26	12	0.1	0.1	0.1	0.2	0.3
Alcoholic.....	9,564	7,713	752	731	168	3.7	3.8	2.7	4.5	3.8
Due to drugs and other exogenous poisons.....	250	201	12	13	24	0.1	0.1	—	0.1	0.5
Traumatic.....	1,498	1,225	144	109	20	0.6	0.6	0.5	0.7	0.5
With cerebral arteriosclerosis.....	12,642	11,049	532	812	249	5.0	5.4	1.9	5.0	5.7
With other disturbances of circulation.....	319	259	14	38	8	0.1	0.1	—	0.2	0.2
With convulsive disorders.....	6,486	5,570	542	305	69	2.6	2.7	1.9	1.9	1.6
Senile.....	7,681	6,205	177	975	324	3.0	3.0	0.6	6.0	7.4
Involuntional psychoses.....	2,721	2,254	122	215	150	1.1	1.1	0.4	1.3	3.4
Due to other metabolic, etc., diseases.....	844	711	40	65	28	0.3	0.3	0.1	0.4	0.6
Due to new growth.....	82	63	7	5	7	—	—	—	—	0.2
With organic changes of the nervous system.....	2,520	1,699	478	125	18	0.9	0.8	1.7	0.8	0.4
Psychoneuroses.....	1,592	1,357	—	102	133	0.6	0.7	—	0.6	3.0
Manic-depressive.....	16,796	14,048	1,047	1,241	460	6.6	6.9	5.7	7.6	10.5
Dementia praecox (schizophrenia).....	111,846	88,368	15,997	6,160	1,321	44.2	43.3	56.7	38.0	30.2
Paranoia and paranoid conditions.....	5,366	4,562	87	576	141	2.1	2.2	0.3	3.5	3.2
With psychopathic personality.....	2,606	2,178	212	161	55	1.0	1.1	0.8	1.0	1.3
With mental deficiency.....	13,624	11,642	673	1,148	161	5.4	5.7	2.4	7.1	3.7
Other, undiagnosed, and unknown.....	19,481	17,790	602	722	367	7.7	8.7	2.1	4.4	8.4
Without psychosis.....	11,301	8,258	1,196	1,336	511	4.5	4.0	4.2	8.2	11.7
Epilepsy.....	1,225	853	156	211	25	0.5	0.4	0.6	1.3	0.6
Mental deficiency.....	5,036	4,069	98	830	39	2.0	2.0	0.3	5.1	0.9
Alcoholism.....	2,172	1,498	254	154	266	0.9	0.7	0.9	0.9	6.1
Drug addiction.....	148	87	13	6	42	0.1	—	—	—	1.0
Personality disorders due to epidemic encephalitis.....	97	81	—	12	4	—	—	—	0.1	0.1
Psychopathic personality.....	882	672	138	37	35	0.5	0.5	0.5	0.2	0.8
Primary behavior disorders.....	260	207	—	4	49	0.1	0.1	—	—	1.1
Other, unclassified, and unknown.....	1,481	811	537	82	51	0.6	0.4	1.9	0.5	1.2
Female <sup>1</sup> .....	214,754	191,799	51	16,020	6,884	100.0	100.0	—	100.0	100.0
With psychosis.....	208,249	186,859	48	14,727	6,615	97.0	97.4	—	92.0	96.1
General paresis.....	5,833	5,382	3	404	44	2.7	2.8	—	2.5	0.6
With other forms of syphilis of the C.N.S.....	1,691	1,557	—	95	39	0.8	0.8	—	0.6	0.6
With epidemic encephalitis.....	452	415	—	29	8	0.2	0.2	—	0.2	0.1
With other infectious diseases.....	338	301	—	19	18	0.2	0.2	—	0.1	0.3
Alcoholic.....	1,617	1,424	—	113	80	0.8	0.7	—	0.7	1.2
Due to drugs and other exogenous poisons.....	229	198	—	10	21	0.1	0.1	—	0.1	0.3
Traumatic.....	242	200	—	25	17	0.1	0.1	—	0.2	0.2
With cerebral arteriosclerosis.....	10,108	9,008	2	717	381	4.7	4.7	—	4.5	5.5
With other disturbances of circulation.....	275	237	—	23	15	0.1	0.1	—	0.1	0.2
With convulsive disorders.....	5,232	4,881	—	291	60	2.4	2.5	—	1.8	0.9
Senile.....	9,525	7,725	1	1,066	733	4.4	4.0	—	6.7	10.6
Involuntional psychoses.....	7,379	6,378	1	474	526	3.4	3.3	—	3.0	7.6
Due to other metabolic, etc., diseases.....	1,362	1,232	1	81	48	0.6	0.6	—	0.5	0.7
Due to new growth.....	71	60	—	—	11	—	—	—	—	0.2

<sup>1</sup>Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa, see footnotes to tables 47 and 94.

TABLE 7.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND MENTAL DISORDER: 1939—Continued

(Percent not shown where less than 0.1)

SEX AND MENTAL DISORDER	NUMBER					PERCENT				
	All hospitals	Public hospitals			Private hospitals	All hospitals	Public hospitals			Private hospitals
		State	Veterans' Adm.	County and city			State	Veterans' Adm.	County and city	
<b>Female<sup>1</sup>—Continued</b>										
<b>With psychosis—Continued</b>										
With organic changes of the nervous system	1,312	1,187	-----	93	52	0.6	0.6	-----	0.6	0.5
Psychoneuroses	2,406	1,938	-----	156	312	1.1	1.0	-----	1.0	4.5
Manic-depressive	26,172	22,969	10	2,200	993	12.2	12.0	-----	13.7	14.4
Dementia praecox (schizophrenia)	95,483	86,631	28	6,377	2,447	44.5	45.2	-----	39.8	35.5
Paranoia and paranoid conditions	6,749	5,708	2	714	325	3.1	3.0	-----	4.5	4.7
With psychopathic personality	1,638	1,453	-----	115	70	0.8	0.8	-----	0.7	1.0
With mental deficiency	11,907	10,624	-----	1,138	145	5.5	5.5	-----	7.1	2.1
Other, undiagnosed, and unknown	18,228	17,351	-----	587	290	8.5	9.0	-----	5.7	4.2
<b>Without psychosis</b>	<b>6,505</b>	<b>4,940</b>	<b>3</b>	<b>1,293</b>	<b>269</b>	<b>3.0</b>	<b>2.6</b>	<b>-----</b>	<b>8.0</b>	<b>3.9</b>
Epilepsy	933	718	-----	200	15	0.4	0.4	-----	1.2	0.2
Mental deficiency	3,938	2,953	-----	936	49	1.8	1.5	-----	5.8	0.7
Alcoholism	343	269	-----	18	56	0.2	0.1	-----	0.1	0.8
Drug addiction	167	137	-----	6	24	0.1	0.1	-----	-----	0.3
Personality disorders due to epidemic encephalitis	40	30	-----	7	3	-----	-----	-----	-----	-----
Psychopathic personality	302	244	1	33	24	0.1	0.1	-----	0.2	0.3
Primary behavior disorders	136	104	-----	7	25	0.1	0.1	-----	-----	0.4
Other, unclassified, and unknown	646	485	2	86	73	0.3	0.3	-----	0.5	1.1

<sup>1</sup>Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

The age distribution of resident patients by sex is presented for State, veterans', county, and city hospitals combined in table 8. In State, and county and city hospitals the modal age group was 50 to 54 years, and in veterans' hospitals 45 to 49 years. County and city hospitals have more aged patients, on the whole, than hospitals under other types of control.

TABLE 8.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND AGE: 1939

SEX AND AGE (IN YEARS)	All hospitals	State	Veterans' Adm.	County and city	SEX AND AGE (IN YEARS)	All hospitals	State	Veterans' Adm.	County and city
<b>All ages</b>	<b>461,014</b>	<b>400,200</b>	<b>28,269</b>	<b>32,545</b>	<b>Male<sup>1</sup>—Con.</b>				
Under 15	1,148	1,086	-----	62	45 to 49	30,394	19,008	9,861	1,525
15 to 19	5,925	5,673	-----	252	50 to 54	26,215	20,287	4,218	1,710
20 to 24	15,703	14,833	34	836	55 to 59	21,183	18,724	740	1,719
25 to 29	25,970	24,334	84	1,552	60 to 64	16,723	14,620	653	1,470
30 to 34	33,865	31,586	180	2,099	65 to 69	12,822	11,356	323	1,143
35 to 39	40,959	37,482	820	2,657	70 and over	18,093	16,038	204	1,851
40 to 44	48,562	37,110	8,588	2,864	Unknown	25,253	21,284	2,545	1,426
45 to 49	52,700	39,487	9,876	3,337	<b>Female<sup>1</sup></b>	<b>207,870</b>	<b>191,799</b>	<b>51</b>	<b>16,020</b>
50 to 54	48,156	40,354	4,229	3,573	Under 15	481	467	-----	14
55 to 59	40,556	36,423	747	3,386	15 to 19	2,462	2,339	-----	123
60 to 64	32,740	29,112	635	2,993	20 to 24	6,448	6,066	-----	382
65 to 69	25,643	22,966	324	2,353	25 to 29	10,811	10,117	-----	694
70 and over	37,931	33,859	207	3,865	30 to 34	14,757	13,812	-----	945
Unknown	51,156	45,895	2,545	2,716	35 to 39	18,344	17,100	-----	1,244
<b>Male<sup>1</sup></b>	<b>248,754</b>	<b>204,306</b>	<b>28,218</b>	<b>16,230</b>	40 to 44	20,409	18,919	10	1,480
Under 15	665	617	-----	48	45 to 49	22,210	20,407	15	1,788
15 to 19	3,453	3,324	-----	129	50 to 54	21,812	19,975	11	1,826
20 to 24	9,236	8,750	34	452	55 to 59	19,255	17,617	7	1,631
25 to 29	15,112	14,176	84	852	60 to 64	15,901	14,433	2	1,466
30 to 34	19,027	17,705	180	1,142	65 to 69	12,719	11,538	1	1,180
35 to 39	22,532	20,304	820	1,408	70 and over	19,721	17,743	3	1,975
40 to 44	26,046	18,113	8,578	1,355	Unknown	22,540	21,266	2	1,272

<sup>1</sup>Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.



The median age of male patients resident in all public hospitals was 47.3 years, as compared with a median age of 49.3 years for females as shown in tables 9 and 10. Of all patients with cerebral arteriosclerosis and senile psychosis, 51.0 percent were 70 years and over. For cerebral arteriosclerosis the median ages were 67.9 years for males and 67.4 years for females. For senile psychosis the median ages were above 70.0 years for both sexes. Of all conditions with psychosis the lowest median age was of patients with epidemic encephalitis, 34.7 years for males and 34.6 years for females. The widest discrepancies in median ages for males and females occurred in general paresis (male 47.2 years, female 45.6 years), psychosis with other forms of syphilis of the central nervous system (male 48.3 years, female 44.4 years), psychosis with other disturbances of circulation (male 55.1 years, female 52.8 years), involuntional psychoses (male 58.2 years, female 54.6 years), dementia praecox (schizophrenia) (male 43.7 years, female 46.4 years), and psychosis with psychopathic personality (male 41.4 years, female 43.6 years). In all of these psychoses except dementia praecox (schizophrenia) and psychopathic personality, the median age of male patients was higher.

The median ages of patients with alcoholism without psychosis were considerably lower than for alcoholic psychosis. In the former instance the ages were 45.2 years for males and 40.7 years for females, while in the latter instance they were 53.4 years for males and 53.2 years for females. In computation of these median ages, patients indicated as of unknown age were excluded, and no median ages have been computed for patients with other, undiagnosed, and unknown conditions with psychosis or other, unclassified, and unknown conditions without psychosis.

TABLE 9.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	248,754	665	5,455	9,236	15,112	19,027	22,532	28,046
With psychosis	237,964	322	2,825	8,506	14,215	17,976	21,401	26,676
General paresis	21,567	19	67	126	410	1,247	2,458	4,067
With other forms of syphilis of the C.N.S.	3,412	10	55	79	116	241	407	459
With epidemic encephalitis	859	15	45	94	122	155	152	86
With other infectious diseases	551	5	6	20	22	27	34	42
Alcoholic	9,196	—	2	45	175	415	711	926
Due to drugs and other exogenous poisons	228	1	1	5	12	18	26	44
Traumatic	1,478	7	14	39	71	98	102	171
With cerebral arteriosclerosis	12,593	—	1	2	8	10	14	65
With other disturbances of circulation	511	—	—	8	3	7	25	25
With convulsive disorders	6,417	55	260	466	620	691	696	724
Senile	7,857	—	2	2	1	4	5	8
Involuntional psychoses	2,571	—	—	5	8	10	14	81
Due to other metabolic, etc., diseases	1,195	5	9	28	40	57	97	184
Due to new growth	75	1	3	1	7	15	8	8
With organic changes of the nervous system	1,925	14	46	76	137	168	173	206
Psychoneuroses	1,489	6	19	88	119	156	183	188
Manic-depressive	16,336	5	126	412	689	934	1,506	1,592
Dementia praecox (schizophrenia)	110,525	64	1,499	5,625	9,819	11,617	12,675	15,123
Paranoia and paranoid conditions	5,225	1	5	37	103	172	300	456
With psychopathic personality	2,551	9	93	178	253	308	300	383
With mental deficiency	15,463	101	557	1,046	1,314	1,417	1,460	1,476
Other, undiagnosed, and unknown	19,114	8	59	134	166	241	277	430
Without psychosis	10,790	343	628	730	697	1,051	1,131	1,371
Epilepsy	1,200	21	78	109	123	105	110	156
Mental deficiency	4,997	170	409	459	498	537	521	495
Alcoholism	1,906	—	—	34	112	197	236	361
Drug addiction	106	—	1	—	5	12	22	21
Personality disorders due to epidemic encephalitis	93	2	7	6	12	16	13	13
Psychopathic personality	847	18	75	75	93	103	114	106
Primary behavior disorders	211	121	30	9	8	7	10	7
Other, unclassified, and unknown	1,430	11	28	40	46	74	105	212

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 9.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939—Continued

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total <sup>1</sup>	30,394	26,215	21,183	16,723	12,822	18,093	25,253	47.3
With psychosis	29,047	25,236	20,402	16,208	12,465	17,748	24,938	47.5
General paresis	4,675	3,432	2,146	1,250	698	382	620	47.2
With other forms of syphilis of the C.N.S.	501	538	395	267	175	126	65	48.3
With epidemic encephalitis	73	55	26	25	5	8	2	34.7
With other infectious diseases	42	45	34	23	18	11	4	46.1
Alcoholic	1,317	1,377	1,430	1,091	816	744	147	53.4
Due to drugs and other exogenous poisons	33	33	19	14	5	12	8	46.1
Traumatic	217	218	188	141	100	74	43	50.1
With cerebral arteriosclerosis	195	678	1,270	2,243	2,738	4,897	272	67.9
With other disturbances of circulation	39	49	51	44	24	37	1	55.1
With convulsive disorders	728	618	492	334	191	155	387	41.6
Senile	24	117	254	645	1,145	4,979	171	70+
Involuntional psychoses	246	504	599	478	333	232	61	58.2
Due to other metabolic, etc., diseases	221	198	144	100	52	43	24	48.9
Due to new growth	12	4	5	7	3	—	1	—
With organic changes of the nervous system	220	253	218	156	72	59	125	46.8
Psychoneuroses	168	181	167	102	52	51	24	45.1
Manic-depressive	1,918	2,155	2,054	1,756	1,273	1,265	871	51.8
Dementia praecox (schizophrenia)	15,413	11,974	8,614	5,828	3,590	3,407	5,277	43.7
Paranoia and paranoid conditions	651	822	790	677	524	585	122	55.2
With psychopathic personality	311	235	172	121	86	59	63	41.4
With mental deficiency	1,566	1,311	1,007	663	391	370	805	41.5
Other, undiagnosed, and unknown	477	459	327	263	174	252	15,847	—
Without psychosis	1,347	979	781	515	357	345	315	41.7
Epilepsy	159	94	80	48	26	24	67	40.7
Mental deficiency	489	411	356	210	158	109	175	38.2
Alcoholism	308	231	177	118	71	56	5	45.2
Drug addiction	8	8	15	7	2	5	—	43.1
Personality disorders due to epidemic encephalitis	4	9	4	1	2	3	1	—
Psychopathic personality	94	50	45	28	18	18	12	37.4
Primary behavior disorders	2	4	4	3	2	3	1	-15
Other, unclassified, and unknown	283	172	100	100	78	127	54	—

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

TABLE 10.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	207,870	481	2,462	6,448	10,811	14,757	18,344	20,409
With psychosis	201,634	264	2,121	5,976	10,248	14,130	17,605	19,736
General paresis	5,789	12	58	113	241	528	823	924
With other forms of syphilis of the C.N.S.	1,652	4	13	63	117	169	222	254
With epidemic encephalitis	444	11	33	37	64	81	76	59
With other infectious diseases	320	1	9	18	23	42	33	34
Alcoholic	1,537	—	2	8	35	71	141	156
Due to drugs and other exogenous poisons	208	—	—	10	8	17	22	30
Traumatic	225	2	7	7	17	13	21	19
With cerebral arteriosclerosis	9,727	—	2	1	—	9	22	59
With other disturbances of circulation	260	1	1	4	5	5	15	35
With convulsive disorders	5,172	46	189	396	505	572	639	549
Senile	8,792	—	—	—	—	2	3	19
Involuntional psychoses	6,853	—	1	9	22	22	123	570
Due to other metabolic, etc., diseases	1,314	4	19	36	77	98	142	183
Due to new growth	60	1	2	1	9	6	4	6
With organic changes of the nervous system	1,280	11	35	59	90	110	128	139
Psychoneuroses	2,094	3	29	89	139	210	288	269
Manic-depressive	25,179	9	147	528	1,106	1,725	2,331	2,887
Dementia praecox (schizophrenia)	93,036	48	1,052	3,589	6,570	8,751	10,492	11,286

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

MENTAL DISEASE

TABLE 10.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939—Continued  
(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	
Total <sup>1</sup> —Continued									
With psychosis—Continued									
Paranoia and paranoid conditions	6,424	---	24	10	48	155	288	502	
With psychopathic personality	1,568	11	51	119	118	153	171	195	
With mental deficiency	11,762	88	417	790	963	1,215	1,405	1,350	
Other, undiagnosed, and unknown	17,938	12	30	89	93	176	216	211	
Without psychosis	6,236	217	341	472	563	627	739	673	
Epilepsy	918	36	51	88	111	95	102	75	
Mental deficiency	3,889	112	218	322	339	382	458	429	
Alcoholism	287	1	---	6	22	44	64	42	
Drug addiction	143	---	---	2	16	22	21	20	
Personality disorders due to epidemic encephalitis	37	---	2	5	6	9	6	2	
Psychopathic personality	278	5	25	28	29	25	44	33	
Primary behavior disorders	111	56	21	5	3	2	3	8	
Other, unclassified, and unknown	573	7	24	16	37	50	61	64	
		AGE (IN YEARS)—Continued							Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known <sub>a</sub>	
Total <sup>1</sup>	22,210	21,812	19,255	15,901	12,719	19,721	22,540	49.3	
With psychosis	21,596	21,278	18,823	15,586	12,499	19,448	22,324	49.5	
General paresis	895	780	604	341	173	119	178	45.6	
With other forms of syphilis of the C.N.S.	222	203	146	111	50	49	29	44.4	
With epidemic encephalitis	34	24	12	6	2	1	4	34.6	
With other infectious diseases	43	45	24	20	19	8	1	44.9	
Alcoholic	220	201	224	171	128	164	16	53.2	
Due to drugs and other exogenous poisons	27	21	19	18	17	15	4	47.8	
Traumatic	19	24	25	20	19	27	5	51.0	
With cerebral arteriosclerosis	192	553	1,111	1,798	2,104	3,694	182	67.4	
With other disturbances of circulation	45	33	47	25	23	20	1	52.8	
With convulsive disorders	494	477	380	287	169	143	326	40.7	
Senile	36	110	324	786	1,330	5,956	226	70+	
Involitional psychoses	1,202	1,571	1,352	886	519	491	85	54.6	
Due to other metabolic, etc., diseases	187	178	166	106	46	46	26	47.3	
Due to new growth	9	5	7	2	5	3	---	---	
With organic changes of the nervous system	164	149	116	103	61	44	71	46.0	
Psychoneuroses	241	247	219	151	80	75	54	44.9	
Manic-depressive	3,155	3,148	2,883	2,282	1,668	1,960	1,352	50.0	
Dementia præcox (schizophrenia)	11,790	10,957	8,867	6,732	4,773	5,061	3,068	46.4	
Paranoia and paranoid conditions	816	1,019	986	849	705	927	95	56.5	
With psychopathic personality	201	171	121	88	63	59	49	43.6	
With mental deficiency	1,375	1,136	972	628	459	402	582	42.6	
Other, undiagnosed, and unknown	229	226	218	176	108	184	15,970	---	
Without psychosis	614	534	432	315	220	273	218	40.4	
Epilepsy	77	79	55	40	31	22	56	37.5	
Mental deficiency	407	346	291	192	126	152	135	40.8	
Alcoholism	27	25	22	17	9	6	2	40.7	
Drug addiction	23	20	4	2	6	3	4	42.1	
Personality disorders due to epidemic encephalitis	4	---	---	1	1	---	1	---	
Psychopathic personality	18	15	21	12	9	11	5	38.0	
Primary behavior disorders	3	2	2	2	---	3	1	-15	
Other, unclassified, and unknown	55	47	37	49	38	76	12	---	

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

In the presentation of the clinical diagnoses of resident patients by State and sex in table 11, it has been possible to include patients in Veterans' Administration hospitals by their State of residence before hospitalization rather than by the State in which they were hospitalized.

The distribution of resident patients by clinical diagnosis hospitalized in each State was available for private as well as for public hospitals. In all hospitals for mental disease there were in residence, 253,122 male and 214,754 female patients (467,876) plus an additional 4,390 not reported by sex, making a total of 472,266. The overwhelming majority were of patients with psychosis. They numbered 450,070 as compared with 17,806 patients without psychosis. In many of the southern and southwestern States the proportion of patients without psychosis in hospitals for mental disease was somewhat higher because of the dearth of facilities for the care of mental defectives and epileptics.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 11.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS',<sup>1</sup>  
AND SEX, BY DIVISIONS

DIVISION AND STATE	ALL RESIDENT PATIENTS			WITH PSYCHOSIS						
	Total	Male	Female	Total	Male	Female	General paresis		With other forms of syphilis of the C.N.S.	
							M	F	M	F
1 United States <sup>2</sup>	467,876	255,122	214,754	450,070	241,821	208,249	21,668	5,853	3,442	1,691
2 NEW ENGLAND	42,324	21,581	20,743	41,671	21,134	20,537	910	282	148	57
3 Maine	2,858	1,474	1,384	2,754	1,414	1,340	93	53	28	10
4 New Hampshire	2,268	1,142	1,126	2,083	1,050	1,033	62	41	21	1
5 Vermont	1,905	982	923	1,839	927	912	56	15	4	2
6 Massachusetts	24,095	12,244	11,851	23,900	12,116	11,784	585	164	77	37
7 Rhode Island	3,146	1,622	1,524	3,089	1,579	1,510	13	1	1	---
8 Connecticut	8,072	4,117	3,955	8,006	4,068	3,938	121	30	17	7
9 MIDDLE ATLANTIC	128,576	67,384	61,192	126,542	66,124	60,418	5,307	1,470	1,018	420
10 New York	76,546	39,588	36,758	76,027	39,546	36,681	2,796	826	748	288
11 New Jersey	17,700	9,008	8,692	17,329	8,775	8,554	745	186	114	67
12 Pennsylvania	34,530	18,788	15,742	33,186	18,003	15,185	1,766	458	156	65
15 EAST NORTH CENTRAL <sup>2</sup>	93,722	52,209	41,513	89,026	49,173	39,853	5,929	1,799	553	241
14 Ohio	21,219	11,649	9,570	20,775	11,315	9,460	1,672	560	119	62
15 Indiana	9,687	5,341	4,346	9,521	5,227	4,294	860	255	100	53
16 Illinois	32,591	18,092	14,499	30,931	16,981	13,950	1,925	523	140	55
17 Michigan	17,128	9,725	7,405	16,292	9,150	7,142	1,070	313	155	75
18 Wisconsin <sup>2</sup>	13,097	7,404	5,693	11,507	6,500	5,007	402	148	59	16
19 WEST NORTH CENTRAL <sup>2</sup>	46,463	25,683	20,780	44,418	24,464	19,954	2,230	510	322	128
20 Minnesota	10,775	6,204	4,571	10,388	5,964	4,424	448	104	19	14
21 Iowa <sup>2</sup>	8,742	4,857	3,885	8,401	4,633	3,768	285	78	54	23
22 Missouri	13,531	7,114	6,417	12,639	6,641	5,998	1,011	227	167	59
23 North Dakota	2,039	1,228	811	1,989	1,193	796	29	6	20	7
24 South Dakota	1,727	999	728	1,700	979	721	61	5	5	3
25 Nebraska	4,376	2,435	1,941	4,111	2,263	1,848	194	32	18	7
26 Kansas	5,273	2,846	2,427	5,190	2,791	2,399	202	58	39	15
27 SOUTH ATLANTIC	54,798	29,600	25,198	51,976	27,917	24,059	2,291	582	460	404
28 Delaware	1,259	698	561	1,206	660	546	80	31	8	6
29 Maryland	8,217	4,237	3,980	7,540	3,837	3,703	296	80	34	18
30 Dist. of Columbia	6,174	4,093	2,081	6,090	4,024	2,066	473	117	48	25
31 Virginia	9,757	5,184	4,573	9,688	5,123	4,565	156	---	5	---
32 West Virginia	4,260	2,444	1,816	3,319	1,956	1,363	279	85	53	43
33 North Carolina	7,414	3,800	3,614	6,557	3,301	3,256	204	24	191	258
34 South Carolina	4,797	2,525	2,272	4,773	2,501	2,272	61	---	4	---
35 Georgia	8,053	4,011	4,042	7,979	3,942	4,037	376	126	19	8
36 Florida	4,867	2,608	2,259	4,824	2,573	2,251	386	119	98	68
37 EAST SOUTH CENTRAL <sup>2</sup>	20,110	11,082	9,028	19,191	10,482	8,709	857	188	183	125
38 Kentucky	7,041	3,905	3,136	6,579	3,623	2,956	380	106	58	27
39 Tennessee	6,787	3,706	3,081	6,534	3,538	2,996	356	73	49	41
40 Alabama	5,963	3,156	2,807	5,788	3,035	2,753	76	9	66	57
41 Mississippi <sup>2</sup>	319	315	4	290	286	4	45	---	10	---
42 WEST SOUTH CENTRAL	53,657	18,221	15,436	51,514	16,735	14,579	1,780	425	343	137
43 Arkansas	4,717	2,520	2,197	3,789	1,977	1,812	212	64	40	37
44 Louisiana	6,931	3,641	3,290	6,476	3,347	3,129	248	63	53	21
45 Oklahoma	7,188	4,155	3,033	6,810	3,935	2,875	470	120	136	44
46 Texas	14,821	7,905	6,916	14,239	7,476	6,763	850	178	114	35
47 MOUNTAIN	11,521	6,826	4,695	10,567	6,220	4,347	569	128	166	70
48 Montana	2,038	1,299	739	1,852	1,185	667	88	11	47	11
49 Idaho	1,069	649	420	1,025	618	407	20	9	20	10
50 Wyoming	692	462	230	670	443	227	56	9	8	2
51 Colorado	4,337	2,425	1,912	4,007	2,204	1,803	228	69	29	7
52 New Mexico	924	540	384	889	520	369	65	8	29	27
53 Arizona	962	591	371	807	478	329	40	11	14	10
54 Utah	1,130	619	511	975	546	429	54	6	4	---
55 Nevada	369	241	128	342	226	116	18	5	15	3
56 PACIFIC	36,705	20,536	16,169	35,365	19,572	15,793	1,795	449	249	109
57 Washington	6,906	3,950	2,956	6,730	3,820	2,910	329	73	63	27
58 Oregon	4,566	2,732	1,834	4,371	2,579	1,792	206	58	23	11
59 California	25,233	13,854	11,379	24,264	13,173	11,091	1,260	318	163	71

<sup>1</sup> Patients in veterans' hospitals reported by State of residence before hospitalization.<sup>2</sup> Excluding data not reported by sex for the Mississippi State hospitals and for certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

MENTAL DISEASE

COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND STATES: 1939

WITH PSYCHOSIS—Continued															
With epidemic encephalitis		With other infectious diseases		Alcoholic		Due to drugs and other exogenous poisons		Traumatic		With cerebral arterio-sclerosis		With other disturbances of circulation		With convulsive disorders	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
850	452	545	338	9,564	1,617	250	229	1,496	242	12,642	10,108	519	275	6,486	5,252
55	39	14	16	1,459	240	22	11	100	25	1,114	1,045	18	21	759	686
---	1	5	1	95	7	---	3	5	1	75	48	---	---	64	57
1	---	---	---	71	11	2	---	6	2	87	80	---	2	51	42
---	2	1	17	2	---	---	---	2	1	79	57	2	5	61	42
48	55	7	11	1,129	199	15	4	70	17	690	749	16	15	497	459
---	---	---	---	4	---	2	---	1	---	5	5	---	1	4	---
6	3	2	3	145	21	5	4	16	2	180	94	---	---	82	86
545	166	71	68	5,242	729	51	56	542	99	3,892	3,450	92	95	1,524	1,365
222	128	34	39	1,869	489	28	27	546	70	2,655	2,284	31	47	886	710
52	18	16	20	516	64	6	3	89	15	765	778	11	17	78	76
69	20	21	9	1,057	166	17	26	107	16	472	368	50	29	560	597
204	103	65	52	2,416	359	48	50	305	55	2,972	2,424	64	52	820	571
65	26	9	12	566	82	15	21	68	11	448	390	16	13	63	53
5	3	5	2	127	10	4	5	25	6	258	251	9	2	92	55
65	42	20	17	1,126	184	14	14	120	9	1,444	1,160	22	16	391	354
55	25	28	15	373	44	14	8	52	14	371	296	11	19	170	100
20	9	3	6	224	19	1	2	40	15	451	347	6	2	104	49
84	59	32	25	578	41	34	22	95	15	1,115	766	44	31	755	489
24	12	4	7	255	22	5	7	29	4	385	242	2	2	132	78
22	18	7	6	155	2	7	5	16	1	164	79	11	6	150	95
22	12	15	10	96	10	14	4	22	6	325	314	8	15	280	194
---	8	---	---	7	1	---	1	2	---	42	25	9	5	58	34
6	3	---	---	7	---	3	---	5	1	58	16	1	1	25	24
5	3	5	---	37	2	---	2	11	2	57	34	7	4	68	61
5	3	1	2	45	4	7	3	10	1	104	56	6	---	14	1
45	27	46	27	485	85	32	32	128	11	871	706	13	7	885	690
1	3	1	---	50	10	---	1	9	2	49	51	1	---	24	16
6	3	7	5	174	40	5	4	15	1	174	178	3	1	159	108
21	12	7	4	117	22	1	4	12	1	170	168	1	1	67	78
---	---	1	1	9	1	1	---	6	---	18	---	1	---	8	---
6	---	5	1	47	2	3	---	22	2	80	39	6	2	106	36
8	8	3	4	34	8	5	8	14	1	110	90	---	---	118	85
---	---	1	---	6	---	1	---	2	---	11	---	---	---	4	1
---	---	1	---	17	---	7	2	29	2	164	98	---	---	308	285
5	1	22	12	29	2	9	13	19	2	95	82	1	3	109	92
12	8	8	16	125	5	15	8	27	1	210	175	9	9	350	278
6	5	2	7	75	5	2	5	14	---	88	60	8	8	163	160
4	2	5	9	45	---	11	5	11	1	108	107	---	1	104	62
2	1	---	---	2	---	1	---	2	---	6	7	1	---	79	56
---	---	1	---	5	---	1	---	---	---	8	1	---	---	4	---
54	25	65	95	189	21	12	34	84	15	685	356	30	30	550	441
---	---	26	44	15	3	---	3	15	1	138	92	2	2	131	122
---	---	10	10	68	9	2	4	5	---	67	72	1	---	67	71
45	20	15	5	52	5	1	4	21	1	217	110	17	7	245	178
9	5	14	36	54	4	9	25	45	13	265	82	10	21	107	70
29	10	11	16	106	15	17	7	50	8	516	149	8	9	249	190
1	---	5	2	15	3	2	1	9	---	53	29	2	1	34	22
4	2	1	4	33	3	6	2	3	1	31	3	1	1	17	12
---	---	---	---	12	2	---	---	4	1	10	3	2	---	17	5
17	4	4	4	31	3	4	---	26	---	176	100	---	7	96	93
1	1	---	4	7	2	5	---	2	6	20	3	---	---	56	29
---	1	---	---	1	---	---	---	3	5	22	10	---	---	21	14
1	1	---	---	2	1	1	1	5	---	4	1	---	---	25	15
5	1	3	2	5	1	1	---	---	---	---	---	3	---	3	---
24	15	31	25	766	142	19	9	171	15	1,469	1,059	41	23	616	495
14	7	7	4	74	10	1	---	34	1	254	180	13	9	108	96
3	5	3	5	115	26	5	2	32	1	146	50	10	4	118	85
7	3	21	14	577	106	13	7	105	13	1,069	829	18	10	380	316





TABLE 11.—RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS',<sup>1</sup> COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	WITHOUT PSYCHOSIS—Continued													
	Mental deficiency		Alcoholism		Drug addiction		Personality disorders due to epidemic encephalitis		Psycho-pathic personality		Primary behavior disorders		Other, unclassified, and unknown	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
United States <sup>2</sup>	5,056	5,958	2,172	543	148	167	97	40	882	502	260	136	1,481	646
NEW ENGLAND	189	103	49	12	11	4	3	1	57	12	46	21	60	40
Maine	32	15	8						7	3	1	1	3	3
New Hampshire	73	60	3				1		15	3	1	2	7	3
Vermont	29	2	14	6	2	1			3				7	2
Massachusetts	50	27	13	1	1	2	2	1	18	4	3	1	34	28
Rhode Island	1		2						1		33	12	3	2
Connecticut	4	1	9	5	8	1			13	2	8	5	6	2
MIDDLE ATLANTIC	550	514	193	27	15	11	20	14	105	57	133	59	184	66
New York	15	10	46	13	4	3	1	1	20	5	108	37	35	5
New Jersey	74	77	41	4	1	2	7	3	24	10	1	6	66	29
Pennsylvania	441	427	106	10	10	6	12	10	61	22	24	16	83	32
EAST NORTH CENTRAL <sup>2</sup>	1,404	1,050	593	60	34	28	18	4	255	92	27	17	479	254
Ohio	119	57	67	4	5	3	2		49	15	8	3	66	21
Indiana	36	34	18	2	1				21	7			20	7
Illinois	415	279	256	33	19	14	7	1	65	18	2	5	301	169
Michigan	297	178	117	9	3	6	5	2	83	35	7	5	36	13
Wisconsin <sup>2</sup>	537	482	135	12	7	4	4	1	17	17	10	4	56	44
WEST NORTH CENTRAL <sup>2</sup>	569	551	237	22	23	15	15	9	102	43	23	14	130	84
Minnesota	140	124	18		1		8	5	47	6	4	2	9	7
Iowa <sup>2</sup>	51	55	96	9	12	7			12	6	3	2	34	50
Missouri	238	278	87	10	7	8	4	2	19	18	8	3	40	29
North Dakota	14	8	7							4			11	3
South Dakota	5	1					1		3	2			11	4
Nebraska	98	72	21	1	3		2	1	13	5	4	3	16	5
Kansas	23	13	8	2				1	8	2	4	4	9	6
SOUTH ATLANTIC	693	566	254	27	18	61	4	3	74	25	17	9	142	22
Delaware	19	9	7	1	1		1	1	2		3	4	2	
Maryland	179	172	60	13	2	3			29	13	2	1	30	5
Dist. of Columbia	47	14	11						3				6	
Virginia	1	2	30	1	4	1			7	2			14	2
West Virginia	368	336	18	3	2	4	3	2	4	2	12	2	10	5
North Carolina	69	33	97	8	6	50			16	7		2	26	6
South Carolina	1		5		2				5				5	
Georgia	3		17	1		2			5				35	2
Florida	6		9		1	1			3	1			14	2
EAST SOUTH CENTRAL <sup>2</sup>	258	215	96	9	13	6	6	1	41	15		1	138	57
Kentucky	121	122	32	2	5	3	4	1	22	8		1	71	30
Tennessee	65	46	52	7	2	3	1		18	5			20	24
Alabama	72	47	4		2		1		1	2			34	3
Mississippi <sup>2</sup>			8		4								13	
WEST SOUTH CENTRAL	831	595	161	12	17	16	12	3	142	36	1	9	222	83
Arkansas	345	281	37	4	4	3	4		17	6			86	38
Louisiana	162	112	24	4	4		3	3	26	12		1	52	20
Oklahoma	159	141	8	1	1	1	1		14	6	1	1	20	5
Texas	165	61	92	3	8	12	4		85	12		7	64	20
MOUNTAIN	345	253	91	10	4	2	5	1	39	7	3	2	38	18
Montana	54	55	24	6	1				2		2	1	6	1
Idaho		2	15			1			4				5	1
Wyoming	2	3	5				3				1		6	
Colorado	151	98	31	3	2		1		17	4			8	
New Mexico	10	8							4				4	6
Arizona	64	24	9	1	1	1	1		10	2		1	7	7
Utah	54	56	6					1	1	1			2	3
Nevada	10	9	1						1					
PACIFIC	217	111	498	164	13	24	14	4	87	35	10	4	88	22
Washington	37	14	19	1	1		8	1	29	16	3	3	25	7
Oregon	63	24	22	9	9	4	4	1	22	3	3	1	23	
California	117	73	457	154	3	20	2	2	36	16	4		40	15

<sup>1</sup> Patients in veterans' hospitals reported by State of residence before hospitalization.<sup>2</sup> Excluding data not reported by sex for the Mississippi State hospitals and for certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.



MENTAL DISEASE

In tables 12 and 13 the age distribution by State and sex are presented for all public hospitals.

TABLE 12.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', <sup>1</sup> COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>2</sup>	246,754	665	3,455	9,236	15,112	19,027	22,532
<b>NEW ENGLAND</b>	20,537	32	172	521	929	1,305	1,578
Maine	1,310	—	14	48	80	118	142
New Hampshire	1,029	4	11	25	38	71	110
Vermont	555	4	7	29	28	47	52
Massachusetts	12,794	21	118	345	640	878	1,076
Rhode Island	1,369	—	—	—	—	—	—
Connecticut	5,480	5	22	74	143	191	198
<b>MIDDLE ATLANTIC</b>	66,216	290	1,299	3,172	4,753	5,670	6,497
New York	39,298	174	522	1,595	2,321	3,170	3,804
New Jersey	9,160	8	95	315	560	702	901
Pennsylvania	17,758	108	684	1,462	1,812	1,798	1,792
<b>EAST NORTH CENTRAL</b> <sup>2</sup>	52,757	44	566	1,894	3,175	4,265	5,140
Ohio	11,420	6	85	285	665	1,009	1,253
Indiana	5,866	1	25	187	281	408	489
Illinois	19,067	8	98	386	808	1,313	1,748
Michigan	9,471	27	325	891	1,114	1,100	1,148
Wisconsin <sup>2</sup>	6,933	2	55	167	307	435	506
<b>WEST NORTH CENTRAL</b> <sup>2</sup>	25,955	55	299	974	1,579	1,685	2,098
Minnesota	6,402	6	62	199	347	444	509
Iowa <sup>2</sup>	5,145	—	19	92	203	304	376
Missouri	5,879	20	122	378	509	574	615
North Dakota	1,089	2	59	106	210	154	123
South Dakota	676	—	6	16	37	65	61
Nebraska	2,100	2	13	42	101	149	205
Kansas	2,444	5	38	135	172	195	191
<b>SOUTH ATLANTIC</b>	28,923	101	420	870	1,439	1,724	2,058
Delaware	640	—	15	21	41	54	74
Maryland	4,605	1	45	143	280	337	415
District of Columbia	3,881	4	30	143	247	403	545
Virginia	5,557	—	—	2	9	19	66
West Virginia	2,071	47	101	110	205	212	244
North Carolina	3,283	48	183	324	433	402	375
South Carolina	2,212	—	—	—	—	—	—
Georgia	4,431	—	—	2	9	13	53
Florida	2,245	1	46	125	217	284	286
<b>EAST SOUTH CENTRAL</b> <sup>2</sup>	11,175	12	165	295	523	659	780
Kentucky	5,702	7	53	100	233	301	398
Tennessee	5,021	2	63	127	195	242	240
Alabama	5,680	5	49	67	94	107	111
Mississippi <sup>2</sup>	772	—	—	1	1	9	31
<b>WEST SOUTH CENTRAL</b>	17,774	70	302	771	1,270	1,596	1,867
Arkansas	5,321	59	71	116	192	223	277
Louisiana	5,046	—	31	108	189	256	273
Oklahoma	5,872	17	54	161	312	445	519
Texas	7,535	5	146	386	577	672	798
<b>MOUNTAIN</b>	7,086	38	107	224	388	457	649
Montana	1,155	18	11	38	58	67	101
Idaho	552	5	4	14	34	38	58
Wyoming	915	—	2	11	20	25	61
Colorado	2,725	1	37	68	126	143	245
New Mexico	456	2	19	34	49	46	57
Arizona	532	11	15	39	52	54	47
Utah	531	1	15	16	36	67	64
Nevada	220	2	4	4	13	17	18
<b>PACIFIC</b>	20,551	43	123	315	1,056	1,470	1,865
Washington	4,083	4	29	101	174	245	323
Oregon	2,839	6	25	74	120	177	215
California	13,429	33	69	340	762	1,048	1,327

<sup>1</sup>Patients in veterans' hospitals reported by State of hospitalization.

<sup>2</sup>Excluding data not reported by sex for the Mississippi State hospitals and for certain county hospitals in Wisconsin and Iowa; see footnotes to tables 67 and 94.

TABLE 12.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	AGE (IN YEARS)—Continued							
	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown
United States <sup>2</sup> -----	28,046	30,394	26,215	21,183	16,723	12,822	18,093	25,253
NEW ENGLAND-----	1,929	2,481	2,182	1,896	1,600	1,245	1,671	2,996
Maine-----	115	132	136	126	139	120	133	7
New Hampshire-----	97	107	112	134	100	61	135	4
Vermont-----	53	50	71	65	53	37	49	10
Massachusetts-----	1,508	1,985	1,609	1,333	1,146	873	1,181	61
Rhode Island-----	-----	-----	-----	-----	-----	-----	-----	1,369
Connecticut-----	156	207	254	238	162	154	173	1,525
MIDDLE ATLANTIC-----	7,868	8,529	7,532	5,932	4,641	3,472	4,892	1,669
New York-----	4,776	5,331	4,823	3,880	3,069	2,370	3,362	241
New Jersey-----	1,141	1,262	1,202	957	718	500	740	61
Pennsylvania-----	1,951	1,936	1,507	1,095	854	602	790	1,367
EAST NORTH CENTRAL <sup>2</sup> -----	6,773	7,433	6,008	4,761	3,726	2,886	3,933	2,155
Ohio-----	1,533	1,699	1,338	1,149	831	674	688	209
Indiana-----	782	886	747	578	442	339	471	252
Illinois-----	2,601	2,948	2,415	1,957	1,570	1,167	1,731	319
Michigan-----	1,243	1,205	814	473	344	243	322	224
Wisconsin <sup>2</sup> -----	614	695	694	604	539	463	721	1,151
WEST NORTH CENTRAL <sup>2</sup> -----	2,418	2,578	2,618	2,204	1,787	1,514	2,315	1,633
Minnesota-----	744	842	757	650	526	421	661	234
Iowa <sup>2</sup> -----	589	656	568	499	391	392	596	454
Missouri-----	566	514	661	507	415	314	475	209
North Dakota-----	100	99	81	46	35	30	42	22
South Dakota-----	83	88	112	104	87	62	129	8
Nebraska-----	181	218	267	240	210	177	269	28
Kansas-----	155	161	172	158	123	118	143	678
SOUTH ATLANTIC-----	2,563	2,551	1,946	1,487	1,191	823	1,082	10,668
Delaware-----	54	68	71	78	45	42	75	2
Maryland-----	651	718	502	369	310	212	323	297
District of Columbia-----	449	407	409	373	341	238	285	7
Virginia-----	330	329	122	45	31	19	22	4,563
West Virginia-----	177	184	173	216	147	123	92	42
North Carolina-----	294	274	267	200	148	120	138	77
South Carolina-----	-----	-----	-----	-----	-----	-----	-----	2,212
Georgia-----	320	345	142	35	28	6	11	3,467
Florida-----	288	226	260	171	141	63	136	1
EAST SOUTH CENTRAL <sup>2</sup> -----	1,287	1,292	863	602	479	377	520	3,321
Kentucky-----	481	464	392	342	293	222	346	70
Tennessee-----	192	184	186	173	132	109	142	1,034
Alabama-----	353	396	166	68	41	29	23	2,173
Mississippi <sup>2</sup> -----	261	248	119	19	13	17	9	44
WEST SOUTH CENTRAL-----	2,153	1,921	1,646	1,297	933	653	943	2,352
Arkansas-----	570	555	384	249	165	146	193	130
Louisiana-----	179	183	183	194	139	96	118	1,097
Oklahoma-----	477	397	374	349	263	182	312	10
Texas-----	927	786	705	505	366	229	320	1,115
MOUNTAIN-----	805	970	906	677	518	460	749	138
Montana-----	79	122	148	139	115	97	162	-----
Idaho-----	42	36	59	54	62	59	74	15
Wyoming-----	157	201	152	59	42	30	54	101
Colorado-----	379	442	356	260	189	172	284	14
New Mexico-----	52	51	45	32	16	25	28	-----
Arizona-----	38	39	55	37	37	40	65	3
Utah-----	42	55	68	62	38	20	42	5
Nevada-----	16	24	23	25	19	17	40	-----
PACIFIC-----	2,250	2,639	2,514	2,327	1,648	1,392	1,988	321
Washington-----	412	594	534	477	385	299	469	37
Oregon-----	321	367	341	320	243	210	366	34
California-----	1,517	1,658	1,639	1,530	1,220	883	1,153	250

<sup>1</sup>Patients in veterans' hospitals reported by State of hospitalization.<sup>2</sup>Excluding data not reported by sex for the Mississippi State hospitals and for certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

MENTAL DISEASE

TABLE 13.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS',<sup>1</sup> COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	55-59
United States <sup>2</sup>	207,870	481	2,462	6,448	10,811	14,757	18,344
NEW ENGLAND	19,555	28	159	404	648	973	1,297
Maine	1,559	—	18	32	50	87	127
New Hampshire	1,125	—	11	24	38	64	75
Vermont	490	1	5	15	22	33	42
Massachusetts	11,553	26	109	271	451	664	892
Rhode Island	1,423	—	—	—	—	—	—
Connecticut	3,605	1	16	62	87	125	161
MIDDLE ATLANTIC	59,530	163	956	2,260	3,733	4,753	5,777
New York	35,682	79	374	966	1,830	2,506	3,233
New Jersey	8,582	6	74	236	382	574	755
Pennsylvania	15,266	78	508	1,058	1,521	1,873	1,789
EAST NORTH CENTRAL <sup>2</sup>	40,157	30	375	1,223	2,066	3,153	3,970
Ohio	9,193	4	59	218	438	654	917
Indiana	4,311	1	25	100	179	298	340
Illinois	14,209	3	73	261	536	957	1,282
Michigan	6,974	21	188	525	714	962	1,036
Wisconsin <sup>2</sup>	5,470	1	30	119	199	282	395
WEST NORTH CENTRAL <sup>2</sup>	20,135	37	213	661	1,152	1,471	1,864
Minnesota	4,551	3	24	97	212	262	401
Iowa <sup>2</sup>	3,607	1	21	76	143	216	270
Missouri	6,143	23	102	287	405	564	689
North Dakota	811	2	26	70	147	115	102
South Dakota	728	—	8	19	27	36	53
Nebraska	1,903	1	13	27	83	105	146
Kansas	2,392	7	19	85	135	173	203
SOUTH ATLANTIC	24,252	95	302	592	949	1,178	1,446
Delaware	561	—	4	10	25	46	46
Maryland	3,270	—	37	109	195	250	337
District of Columbia	2,081	5	22	31	93	156	180
Virginia	4,504	—	—	—	—	—	—
West Virginia	1,815	34	61	89	124	159	226
North Carolina	3,508	53	149	273	354	371	391
South Carolina	2,260	—	—	—	—	—	—
Georgia	3,996	—	—	—	—	—	—
Florida	2,257	3	29	80	158	196	266
EAST SOUTH CENTRAL <sup>2</sup>	8,604	18	92	255	412	547	618
Kentucky	3,067	13	35	88	169	220	280
Tennessee	2,958	3	33	106	154	218	228
Alabama	2,799	2	24	61	89	109	110
WEST SOUTH CENTRAL	15,258	62	195	522	923	1,265	1,570
Arkansas	2,197	44	54	104	168	222	226
Louisiana	3,148	—	23	50	122	166	241
Oklahoma	3,033	6	32	88	170	278	325
Texas	6,880	12	86	280	463	599	778
MOUNTAIN	4,587	34	54	138	237	340	399
Montana	739	18	6	27	35	47	62
Idaho	420	1	3	10	14	32	33
Wyoming	230	—	2	6	11	15	16
Colorado	1,804	1	11	39	74	127	146
New Mexico	384	5	10	20	47	44	48
Arizona	371	6	17	17	21	32	33
Utah	511	2	4	15	34	37	45
Nevada	128	1	1	4	1	6	16
PACIFIC	15,592	14	116	393	691	1,077	1,403
Washington	2,927	3	27	78	127	189	239
Oregon	1,833	5	16	79	82	124	147
California	10,832	6	73	236	482	764	1,017

<sup>1</sup>Patients in veterans' hospitals reported by State of hospitalization.

<sup>2</sup>Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 13.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR, IN STATE, VETERANS',<sup>1</sup> COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	AGE (IN YEARS)—Continued							
	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown
United States <sup>2</sup> .....	20,409	22,210	21,812	19,255	15,901	12,719	19,721	22,540
<b>NEW ENGLAND</b> .....	1,605	1,986	1,948	1,888	1,692	1,451	2,505	5,175
Maine .....	120	139	149	161	158	114	219	5
New Hampshire .....	105	116	119	152	118	112	202	9
Vermont .....	63	62	42	55	42	39	70	1
Massachusetts .....	1,124	1,406	1,399	1,556	1,218	1,045	1,612	1,423
Rhode Island .....								1,736
Connecticut .....	191	265	239	206	176	141	202	
<b>MIDDLE ATLANTIC</b> .....	6,469	6,933	6,759	5,808	4,850	3,889	6,283	917
New York .....	5,323	4,253	4,323	5,783	3,298	2,659	4,389	66
New Jersey .....	944	1,072	1,120	935	756	643	1,063	22
Pennsylvania .....	1,602	1,608	1,316	1,080	776	587	831	829
<b>EAST NORTH CENTRAL</b> <sup>3</sup> .....	4,447	4,999	4,646	4,111	3,541	2,706	3,993	1,197
Ohio .....	1,131	1,262	1,246	1,078	756	637	788	5
Indiana .....	458	519	533	491	423	383	520	41
Illinois .....	1,543	1,771	1,755	1,688	1,858	1,113	1,772	117
Michigan .....	865	789	577	396	329	215	322	86
Wisconsin <sup>2</sup> .....	450	558	535	478	475	358	591	999
<b>WEST NORTH CENTRAL</b> <sup>3</sup> .....	2,047	2,230	2,286	1,910	1,671	1,317	2,226	1,060
Minnesota .....	458	555	593	513	416	377	610	30
Iowa .....	342	384	401	368	339	249	551	226
Missouri .....	656	671	667	495	495	354	533	182
North Dakota .....	101	78	59	55	25	20	20	11
South Dakota .....	82	96	96	85	70	62	93	1
Nebraska .....	203	247	259	233	196	149	240	11
Kansas .....	205	199	191	161	140	108	179	689
<b>SOUTH ATLANTIC</b> .....	1,495	1,483	1,462	1,329	1,082	815	1,212	10,632
Delaware .....	70	63	52	75	58	38	73	1
Maryland .....	370	348	379	331	283	246	373	12
District of Columbia .....	225	206	220	246	185	177	331	4
Virginia .....								4,504
West Virginia .....	193	214	173	165	112	62	151	32
North Carolina .....	348	363	345	291	228	180	138	24
South Carolina .....								2,280
Georgia .....	8	6	6	3		1	2	5,970
Florida .....	281	283	287	218	196	91	144	25
<b>EAST SOUTH CENTRAL</b> <sup>3</sup> .....	657	661	656	624	478	376	576	2,852
Kentucky .....	320	375	356	342	245	223	362	59
Tennessee .....	228	201	215	211	188	131	182	880
Alabama .....	109	85	87	71	65	22	32	1,933
<b>WEST SOUTH CENTRAL</b> .....	1,800	1,592	1,468	1,198	950	644	844	2,423
Arkansas .....	238	239	237	206	152	108	174	27
Louisiana .....	237	242	271	188	182	120	158	1,148
Oklahoma .....	399	414	371	326	240	145	251	8
Texas .....	726	697	589	478	376	273	281	1,242
<b>MOUNTAIN</b> .....	486	547	546	506	421	349	513	17
Montana .....	81	90	109	69	68	64	63	
Idaho .....	46	55	49	62	44	21	45	5
Wyoming .....	25	35	33	27	20	15	25	
Colorado .....	165	217	215	207	187	155	260	
New Mexico .....	47	40	50	36	14	14	29	
Arizona .....	39	31	37	30	30	30	36	12
Utah .....	68	65	62	62	38	37	42	
Nevada .....	15	14	11	13	20	13	13	
<b>PACIFIC</b> .....	1,605	1,879	2,059	1,861	1,456	1,172	1,769	77
Washington .....	283	366	405	356	276	218	332	8
Oregon .....	193	164	238	233	179	125	239	9
California .....	1,129	1,329	1,416	1,292	1,001	829	1,198	60

<sup>1</sup>Patients in veterans' hospitals reported by State of hospitalization.<sup>2</sup>Excluding data not reported by sex for the Mississippi State hospitals and certain county hospitals in Wisconsin and Iowa; see footnotes to tables 47 and 94.

**First admissions.**—First admissions include all patients admitted for the first time to any hospital for mental disease, public or private, wherever situated, excepting an institution for temporary care only, such as the psychiatric ward of a general hospital.

In the presentation of first admissions it was possible in all tables to include data for private hospitals as well as for public hospitals, since the same data were secured from all hospitals reporting.

A few hospitals did not report patient-age distribution and clinical diagnosis by sex. These patients have been included in table 14 and in the total consolidation of tables 15 and 16. However, in tables 17, 18, 19, 20, and 21 they have not been included in the totals but are presented as a footnote on the tables reporting male patients.

The rate of first admission to all public and private hospitals expressed per 100,000 of the estimated population was 84.8 in 1939 as compared with 85.1 in the previous year (table 14). The greatest proportionate increases in rate from 1938 to 1939 were 158.9 percent in Wyoming, 26.9 percent in Oregon, and 20.7 percent in Colorado. Those States showing the greatest proportionate decreases in rate were Tennessee (22.9 percent), Vermont (19.8 percent), Michigan (17.7 percent), Nevada (17.5 percent), and West Virginia (17.4 percent). The rate of first admission varies, not so much in accordance with the number of patients requesting admission, as with the volume of facilities available to accommodate them.

Of the total of 110,773 first admissions to State, veterans', county, city, and private hospitals, 93,357, or 84.3 percent, were diagnosed as with psychosis (table 15). In State hospitals the proportion of total first admissions with psychosis was 87.3 percent; in veterans' hospitals, 52.5 percent; in county and city hospitals, 94.2 percent; and in private hospitals, 76.9 percent. The extraordinarily low proportion of psychotic patients reported of total first admissions to veterans' hospitals warrants explanation. There were a large number of first admissions diagnosed as with psychoneuroses or neuroses. Since it was not possible to separate them in all instances, and since psychoneuroses constituted but a small part of the total, they have all been included in the category "Other, unclassified, and unknown" without psychosis. The turn-over of this type of patient is high, so that the net effect was greater in the case of first admissions than it was in the case of resident patients.

For all hospitals combined the largest number of first admissions, 20,896, or 18.9 percent, were diagnosed as with dementia praecox (schizophrenia). Cerebral arteriosclerosis claimed the next largest number of patients, 12,625, or 11.4 percent; and manic-depressive psychosis with 11,132 patients, or 10.0 percent, was third in size.

As was the case for resident patients, general paresis was responsible for the admission of a greater proportion of patients in the veterans' hospitals (12.0 percent) than in all hospitals combined (7.2 percent). First admissions with general paresis in veterans' hospitals (737) exceeded those with dementia praecox (schizophrenia) (707). In county and city hospitals senile dementia was responsible for many first admissions (12.0 percent of the total). In these hospitals a large number of patients have been indicated as with other, undiagnosed, and unknown psychoses, principally because many hospitals in Iowa and Wisconsin were not able to specify the clinical diagnosis of their admitted patients. In private hospitals manic-depressive psychosis (2,455 patients) was responsible for the same proportion of first admissions as was dementia praecox (schizophrenia) (2,453 patients). Dementia praecox patients stay in the hospital longer and consequently constitute a larger proportion of resident patient population than of first admissions. Patients with involutional psychoses were responsible for 6.5 percent of total first admissions in private hospitals as compared with 3.8 percent of the total for all hospitals combined. The proportion of patients admitted with alcoholism without psychosis was high in private hospitals, 14.1 percent, and also in veterans' hospitals, 8.5 percent, while the proportion for all hospitals combined was only 6.8 percent.

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 14.—FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 100,000 ESTIMATED POPULATION, BY SEX, BY DIVISIONS AND STATES: 1939 AND 1938

DIVISION AND STATE	1939			1938			RATE PER 100,000 ESTIMATED POPULATION <sup>1</sup>	
	Total	Male	Female	Total	Male	Female	1939	1938
United States	110,773	65,193	45,580	110,323	64,861	45,462	84.8	85.1
NEW ENGLAND	8,336	4,413	3,923	8,755	4,708	4,027	99.1	104.0
Maine	472	259	213	518	291	227	56.1	61.9
New Hampshire	453	252	201	448	244	204	92.8	92.3
Vermont	460	247	213	574	312	262	128.6	160.4
Massachusetts	4,304	2,286	2,018	4,277	2,330	1,947	99.7	98.9
Rhode Island	692	370	322	641	318	323	98.0	91.7
Connecticut	1,955	999	956	2,277	1,213	1,064	114.8	134.6
MIDDLE ATLANTIC	26,252	14,423	11,829	24,885	13,666	11,219	96.0	91.4
New York	15,271	8,177	7,094	14,665	7,895	6,770	114.6	110.8
New Jersey	4,891	2,944	1,947	5,031	2,880	2,151	118.1	121.8
Pennsylvania	6,090	3,302	2,788	5,189	2,891	2,298	61.7	52.7
EAST NORTH CENTRAL	22,520	13,098	9,422	22,834	13,140	9,694	85.3	87.1
Ohio	5,333	2,883	2,450	5,178	2,744	2,434	77.6	75.6
Indiana	2,075	1,164	911	1,997	1,147	850	61.0	59.0
Illinois	8,538	5,283	3,255	8,662	5,307	3,355	108.6	110.6
Michigan	3,603	2,069	1,534	4,261	2,391	1,890	89.8	84.8
Wisconsin	2,971	1,699	1,272	2,716	1,551	1,165	95.5	87.8
WEST NORTH CENTRAL	9,647	5,590	4,057	9,699	5,716	3,983	71.6	72.1
Minnesota	2,125	1,302	823	1,999	1,237	762	78.7	72.8
Iowa	1,672	1,153	719	1,929	1,179	750	74.0	78.4
Missouri	3,057	1,694	1,363	3,278	1,837	1,441	81.2	87.4
North Dakota	376	220	156	415	287	128	58.5	64.1
South Dakota	264	159	105	287	164	123	40.8	44.0
Nebraska	804	452	352	742	444	298	61.0	56.0
Kansas	1,149	610	539	1,049	568	481	63.6	58.1
SOUTH ATLANTIC	13,729	8,568	5,161	13,844	8,638	5,206	77.9	79.5
Delaware	273	166	107	246	142	104	103.3	94.0
Maryland	2,244	1,348	896	2,399	1,414	985	125.4	134.8
District of Columbia	913	582	331	789	518	271	140.5	124.8
Virginia	3,342	2,200	1,142	3,159	2,137	1,022	128.5	120.5
West Virginia	903	556	347	1,083	667	416	47.8	57.9
North Carolina	2,050	1,225	825	2,404	1,499	905	58.0	68.8
South Carolina	1,359	802	557	1,372	803	569	71.8	73.1
Georgia	1,933	1,287	646	1,737	1,097	640	62.3	56.3
Florida	712	402	310	655	361	294	38.6	36.6
EAST SOUTH CENTRAL	8,496	5,708	2,788	9,212	6,209	3,003	79.4	86.8
Kentucky	2,003	1,263	740	2,289	1,509	780	71.0	81.7
Tennessee	1,529	970	559	1,961	1,144	817	52.9	68.6
Alabama	2,798	2,155	643	2,916	2,261	655	99.3	104.2
Mississippi	2,166	1,320	846	2,046	1,295	751	99.9	95.1
WEST SOUTH CENTRAL	8,367	5,059	3,308	8,723	5,258	3,465	64.4	67.6
Arkansas	1,668	1,138	530	1,913	1,333	580	85.9	99.0
Louisiana	1,930	1,055	875	2,012	1,038	974	82.4	86.9
Oklahoma	1,503	912	591	1,476	898	578	64.4	63.0
Texas	3,266	1,954	1,312	3,322	1,989	1,333	51.2	52.6
MOUNTAIN	2,469	1,609	860	2,078	1,378	700	60.3	51.3
Montana	323	199	124	365	245	120	58.4	66.2
Idaho	286	174	112	244	161	83	55.3	47.9
Wyoming	290	245	45	111	79	32	118.3	45.7
Colorado	720	468	252	592	423	169	64.7	53.6
New Mexico	213	135	78	188	107	81	40.9	36.8
Arizona	288	187	101	253	163	90	58.4	52.0
Utah	261	156	125	244	141	103	51.5	45.1
Nevada	68	45	23	81	59	22	62.5	75.8
PACIFIC	10,957	6,725	4,232	10,313	6,148	4,165	114.5	109.5
Washington	1,588	956	632	1,503	931	572	92.9	88.7
Oregon	1,389	989	400	1,081	679	402	128.9	101.6
California	7,980	4,780	3,200	7,729	4,538	3,191	117.6	116.0

<sup>1</sup>Estimated population as of July 1.



TABLE 15.—FIRST ADMISSIONS TO STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND MENTAL DISORDER: 1939—Con.

SEX AND MENTAL DISORDER	NUMBER					PERCENT				
	All hospitals	Public hospitals			Private hospitals	All hospitals	Public hospitals			Private hospitals
		State	Veterans' Administration	County and city			State	Veterans' Administration	County and city	
<b>Male<sup>1</sup>—Continued</b>										
<b>With psychosis—Continued</b>										
Psychoneuroses	1,599	1,069	—	61	469	2.8	2.3	3.7	1.5	6.6
Manic-depressive	4,515	3,271	243	223	778	7.0	6.9	4.0	5.6	10.9
Dementia praecox (schizophrenia)	11,169	9,030	706	555	898	17.4	19.2	11.5	13.9	12.6
Paranoia and paranoid conditions	843	615	44	65	121	1.3	1.3	0.7	1.6	1.7
With psychopathic personality	756	595	65	21	75	1.2	1.3	1.1	0.5	1.1
With mental deficiency	1,648	1,379	104	102	63	2.6	2.9	1.7	2.5	0.9
Other, undiagnosed, and unknown	2,994	1,121	210	1,073	590	4.7	2.4	3.4	26.8	8.3
Without psychosis	13,121	7,762	2,909	225	2,205	20.0	16.5	43.9	5.6	31.0
Epilepsy	342	244	44	15	39	0.5	0.5	0.7	0.4	0.5
Mental deficiency	1,057	899	85	47	26	1.6	1.9	1.4	1.2	0.4
Alcoholism	6,125	3,965	523	90	1,547	9.5	8.4	8.6	2.2	21.7
Drug addiction	471	245	39	10	177	0.7	0.5	0.6	0.2	2.5
Personality disorders due to epidemic encephalitis	55	35	14	2	4	0.1	0.1	0.2	—	0.1
Psychopathic personality	900	580	170	22	128	1.4	1.2	2.8	0.5	1.8
Primary behavior disorders	275	149	42	4	80	0.4	0.3	0.7	0.1	1.1
Other, unclassified, and unknown	3,896	1,665	1,992	35	204	5.7	3.5	28.9	0.9	2.9
<b>Female<sup>1</sup></b>	45,026	34,570	12	2,706	7,738	100.0	100.0	—	100.0	100.0
<b>With psychosis</b>	41,445	31,991	9	2,545	6,900	92.0	92.5	—	94.1	89.2
General paresis	1,864	1,701	—	106	57	4.1	4.9	—	3.9	0.7
With other forms of syphilis of the C.N.S.	431	378	—	28	25	1.0	1.1	—	1.0	0.3
With epidemic encephalitis	108	87	—	6	15	0.2	0.3	—	0.2	0.2
With other infectious diseases	254	195	1	7	51	0.6	0.6	—	0.3	0.7
Alcoholic	709	488	1	46	174	1.6	1.4	—	1.7	2.2
Due to drugs and other exogenous poisons	350	172	—	23	155	0.7	0.5	—	0.8	1.7
Traumatic	96	56	2	8	30	0.2	0.2	—	0.3	0.4
With cerebral arteriosclerosis	5,339	4,697	1	276	365	11.9	13.6	—	10.2	4.7
With other disturbances of circulation	332	262	—	26	44	0.7	0.8	—	1.0	0.6
With convulsive disorders	766	689	—	47	30	1.7	2.0	—	1.7	0.4
Senile	4,066	3,194	1	366	505	9.0	9.2	—	13.5	6.5
Involuntary psychoses	3,149	2,258	—	153	778	7.0	6.5	—	4.9	10.1
Due to other metabolic, etc., diseases	727	609	—	42	76	1.6	1.8	—	1.6	1.0
Due to new growth	82	68	—	2	12	0.2	0.2	—	0.1	0.2
With organic changes of the nervous system	394	329	—	15	50	0.9	1.0	—	0.6	0.6
Psychoneuroses	2,541	1,541	—	90	910	5.6	4.5	—	3.3	11.8
Manic-depressive	6,426	4,808	1	331	1,486	14.3	13.3	—	12.2	19.2
Dementia praecox (schizophrenia)	9,557	7,686	1	465	1,405	21.2	22.2	—	17.2	18.2
Paranoia and paranoid conditions	949	656	—	40	253	2.1	1.9	—	1.5	3.5
With psychopathic personality	384	266	—	23	95	0.9	0.8	—	0.8	1.2
With mental deficiency	1,279	1,135	—	79	65	2.2	3.3	—	2.9	0.8
Other, undiagnosed, and unknown	1,662	956	1	386	339	3.7	2.7	—	14.3	4.4
Without psychosis	3,581	2,579	3	161	838	8.0	7.5	—	5.9	10.8
Epilepsy	181	150	—	17	14	0.4	0.4	—	0.6	0.2
Mental deficiency	663	568	—	66	29	1.5	1.6	—	2.4	0.4
Alcoholism	895	583	—	22	290	2.0	1.7	—	0.8	3.7
Drug addiction	349	227	1	3	118	0.8	0.7	—	0.1	1.5
Personality disorders due to epidemic encephalitis	25	19	—	3	3	0.1	0.1	—	0.1	—
Psychopathic personality	265	173	—	14	78	0.6	0.5	—	0.5	1.0
Primary behavior disorders	166	119	—	2	45	0.4	0.3	—	0.1	0.6
Other, unclassified, and unknown	1,037	740	2	34	261	2.3	2.1	—	1.3	3.4

<sup>1</sup>Excluding data for certain private hospitals, not reported by sex.



The median ages of male and female first admissions were 44.3 years and 43.9 years, respectively. As would be expected, the median age at first admission was lower than the age of resident patient population. However, while the female first admissions were younger than the male, they were older than the male patients resident in the hospital (males 47.3 years, females 49.3 years). While the older median age of female resident patients may be in part accounted for by the considerably older age on first admission of females with psychoses due to other infectious diseases and to "other metabolic, etc., diseases," the principal cause of the older median age of female patients is the greater average life expectancy of females.

For patients without psychosis, the median age of first admissions of males was 41.9 years as compared with 36.4 years for female first admissions. Female patients were younger on admission for each of the diagnoses without psychosis except for mental deficiency.

The clinical diagnoses of male and female first admissions to all public and private hospitals, as well as the age distribution for each sex, are presented by State and geographic region in tables 19, 20, and 21.

TABLE 16.—FIRST ADMISSIONS TO STATE, VETERANS', COUNTY AND CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL, BY SEX AND AGE: 1939

SEX AND AGE (IN YEARS)	All hospitals	PUBLIC HOSPITALS			Private hospitals
		State	Veterans' Administration	County and city	
All ages	110,773	81,655	6,126	6,715	16,279
Under 15	850	715	1	22	112
15 to 19	4,157	3,463	18	200	486
20 to 24	7,573	6,196	29	350	998
25 to 29	9,178	7,350	37	454	1,557
30 to 34	10,478	8,246	40	479	1,713
35 to 39	11,017	8,384	315	488	1,850
40 to 44	11,747	7,192	2,472	417	1,666
45 to 49	10,841	6,816	2,087	397	1,541
50 to 54	9,185	6,654	668	412	1,451
55 to 59	7,197	5,642	158	389	1,028
60 to 64	6,075	4,699	166	362	828
65 to 69	5,665	4,539	75	356	695
70 and over	12,312	10,167	69	947	1,129
Unknown	4,518	1,612	11	1,420	1,475
Male <sup>1</sup>	64,528	47,085	6,114	4,007	7,122
Under 15	501	413	1	14	75
15 to 19	2,313	1,958	18	110	227
20 to 24	4,392	3,736	29	194	433
25 to 29	4,927	4,108	36	284	521
30 to 34	5,819	4,847	40	241	691
35 to 39	6,277	4,845	315	282	855
40 to 44	7,434	5,968	2,468	211	787
45 to 49	6,626	5,657	2,085	209	677
50 to 54	5,295	3,804	667	219	606
55 to 59	4,117	3,325	137	227	428
60 to 64	3,538	2,782	165	227	364
65 to 69	3,256	2,670	75	213	296
70 and over	6,873	5,789	67	585	482
Unknown	2,958	1,185	11	1,061	701
Female <sup>1</sup>	45,026	34,570	12	2,706	7,738
Under 15	345	302	—	8	35
15 to 19	1,804	1,505	—	90	209
20 to 24	3,122	2,460	—	156	506
25 to 29	4,181	3,224	1	190	766
30 to 34	4,554	3,399	—	238	817
35 to 39	4,620	3,539	—	206	875
40 to 44	4,210	3,224	4	206	776
45 to 49	4,058	3,159	2	188	709
50 to 54	3,762	2,850	1	193	718
55 to 59	2,979	2,317	1	162	499
60 to 64	2,465	1,917	1	155	392
65 to 69	2,371	1,869	—	143	359
70 and over	5,387	4,378	2	412	595
Unknown	1,168	427	—	359	382

<sup>1</sup>Excluding data for certain private hospitals, not reported by sex.

TABLE 17.—MALE FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup> -----	64,328	501	2,313	4,392	4,927	5,619	6,277	7,434
With psychosis-----	51,207	229	1,824	3,712	4,080	4,567	4,703	4,888
General paresis-----	6,107	14	35	66	227	688	1,002	1,103
With other forms of syphilis of the C.N.S.-----	1,087	4	11	29	41	107	139	183
With epidemic encephalitis-----	180	5	9	11	22	31	23	31
With other infectious diseases-----	234	4	12	18	16	23	24	25
Alcoholic-----	4,060	---	10	71	197	485	627	652
Due to drugs and other exogenous poisons-----	301	---	1	10	20	33	38	48
Traumatic-----	484	3	14	35	37	38	43	55
With cerebral arteriosclerosis-----	7,255	---	---	1	3	6	9	55
With other disturbances of circulation-----	414	---	1	2	3	4	24	28
With convulsive disorders-----	1,046	36	128	157	117	110	100	124
Senile-----	4,307	---	1	---	1	1	---	2
Involitional psychoses-----	1,060	1	---	4	2	1	6	69
Due to other metabolic, etc., diseases-----	524	5	13	24	22	26	50	56
Due to new growth-----	105	---	1	2	---	6	7	10
With organic changes of the nervous system-----	499	3	14	22	34	35	58	65
Psychoneuroses-----	1,599	9	58	147	195	220	225	198
Manic-depressive-----	4,515	14	177	340	431	497	557	573
Dementia praecox (schizophrenia)-----	11,189	55	995	2,263	2,248	1,749	1,276	1,020
Paranoia and paranoid conditions-----	843	---	---	14	31	51	114	146
With psychopathic personality-----	756	8	62	107	100	119	87	101
With mental deficiency-----	1,648	59	230	269	231	184	153	147
Other, undiagnosed, and unknown-----	2,994	9	54	120	102	153	141	197
Without psychosis-----	13,121	272	489	680	847	1,252	1,574	2,546
Epilepsy-----	342	42	35	52	40	33	32	26
Mental deficiency-----	1,057	88	181	160	95	97	79	89
Alcoholism-----	6,125	---	1	127	390	750	995	1,116
Drug addiction-----	471	---	1	16	33	65	68	99
Personality disorders due to epidemic encephalitis-----	55	1	4	3	9	9	3	7
Psychopathic personality-----	900	11	115	136	102	100	105	119
Primary behavior disorders-----	275	91	39	19	8	20	11	31
Other, unclassified, and unknown-----	3,896	39	113	167	170	178	281	1,059

MENTAL DISORDER	All ages	AGE (IN YEARS)—Continued							Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total <sup>1</sup> -----	6,628	5,295	4,117	3,538	3,256	6,873	2,958	44.3	
With psychosis-----	4,624	4,234	3,488	3,109	3,017	6,654	2,078	45.6	
General paresis-----	971	834	518	291	195	107	60	44.5	
With other forms of syphilis of the C.N.S.-----	143	134	120	78	52	33	13	45.8	
With epidemic encephalitis-----	19	10	9	4	4	1	1	37.5	
With other infectious diseases-----	35	23	19	14	8	7	6	43.4	
Alcoholic-----	723	525	359	199	128	46	38	44.8	
Due to drugs and other exogenous poisons-----	36	46	28	13	9	11	8	44.6	
Traumatic-----	74	62	44	35	20	17	7	45.9	
With cerebral arteriosclerosis-----	136	473	609	1,266	1,504	2,878	117	67.7	
With other disturbances of circulation-----	35	65	66	49	72	63	2	58.3	
With convulsive disorders-----	87	66	48	33	18	16	6	33.7	
Senile-----	8	37	87	315	598	3,182	75	70+	
Involitional psychoses-----	176	304	268	147	64	12	6	54.4	
Due to other metabolic, etc., diseases-----	59	65	72	62	34	29	7	50.3	
Due to new growth-----	17	15	16	14	7	10	---	53.2	
With organic changes of the nervous system-----	65	61	63	37	18	22	2	46.3	
Psychoneuroses-----	166	149	109	57	32	20	14	40.6	
Manic-depressive-----	584	507	380	218	111	62	64	41.8	
Dementia praecox (schizophrenia)-----	733	413	191	87	41	25	93	30.0	
Paranoia and paranoid conditions-----	141	144	91	55	36	16	4	47.3	
With psychopathic personality-----	77	44	20	16	6	4	5	34.1	
With mental deficiency-----	140	101	73	27	11	4	19	30.7	
Other, undiagnosed, and unknown-----	199	156	98	92	51	91	1,531	---	
Without psychosis-----	2,004	1,061	629	429	239	219	880	41.9	
Epilepsy-----	23	18	11	4	7	1	18	29.1	
Mental deficiency-----	71	53	34	15	11	10	74	28.3	
Alcoholism-----	866	580	340	215	102	54	589	42.3	
Drug addiction-----	64	42	23	18	7	3	32	41.8	
Personality disorders due to epidemic encephalitis-----	9	5	2	1	---	---	2	---	
Psychopathic personality-----	93	48	18	13	4	6	30	33.6	
Primary behavior disorders-----	26	15	4	3	4	2	2	21.7	
Other, unclassified, and unknown-----	852	300	197	160	104	143	133	---	

<sup>1</sup>Excluding data for certain private hospitals, not reported by sex.

TABLE 18.—FEMALE FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup> -----	45,026	345	1,804	3,122	4,181	4,554	4,621	4,209
With psychosis-----	41,445	167	1,529	2,826	3,840	4,115	4,117	3,834
General paresis-----	1,864	11	34	53	144	225	332	303
With other forms of syphilis of the C.N.S.-----	431	1	9	18	31	54	69	63
With epidemic encephalitis-----	108	2	8	10	23	11	18	8
With other infectious diseases-----	254	3	14	26	37	36	25	27
Alcoholic-----	709	---	2	9	51	100	114	136
Due to drugs and other exogenous poisons-----	330	1	4	9	26	42	37	55
Traumatic-----	96	---	4	6	12	8	8	10
With cerebral arteriosclerosis-----	5,339	---	---	---	3	5	10	45
With other disturbances of circulation-----	332	1	---	5	6	7	21	35
With convulsive disorders-----	766	22	82	120	116	113	76	67
Senile-----	4,066	---	---	---	---	---	---	4
Involuntary psychoses-----	3,149	---	2	3	12	26	94	467
Due to other metabolic, etc., diseases-----	727	1	18	35	63	85	75	80
Due to new growth-----	82	2	5	---	6	6	7	10
With organic changes of the nervous system-----	394	2	14	22	34	38	30	44
Psychoneuroses-----	2,541	15	89	194	322	404	369	329
Manic-depressive-----	6,426	12	260	560	784	933	949	813
Dementia praecox (schizophrenia)-----	9,557	38	745	1,443	1,767	1,610	1,419	881
Paranoia and paranoid conditions-----	949	1	2	18	38	61	98	139
With psychopathic personality-----	384	3	53	55	64	52	57	31
With mental deficiency-----	1,279	44	143	167	197	165	163	147
Other, undiagnosed, and unknown-----	1,662	8	41	73	104	134	146	140
Without psychosis-----	3,581	178	275	296	341	439	504	375
Epilepsy-----	181	28	31	23	24	15	18	9
Mental deficiency-----	663	60	117	93	58	65	63	52
Alcoholism-----	895	---	3	27	87	159	183	150
Drug addiction-----	349	---	1	12	31	60	62	49
Personality disorders due to epidemic encephalitis-----	25	1	1	2	7	5	1	---
Psychopathic personality-----	265	9	40	40	34	36	42	14
Primary behavior disorders-----	166	49	29	10	10	11	15	12
Other, unclassified, and unknown-----	1,037	31	53	89	90	88	120	89

MENTAL DISORDER	All ages	AGE (IN YEARS)—Continued						Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	
Total <sup>1</sup> -----	4,058	3,762	2,979	2,465	2,371	5,387	1,168	43.9
With psychosis-----	3,743	3,542	2,851	2,353	2,310	5,290	928	44.8
General paresis-----	232	218	151	84	43	19	15	42.1
With other forms of syphilis of C.N.S.-----	62	42	29	25	10	9	9	42.3
With epidemic encephalitis-----	15	8	2	2	1	---	---	35.0
With other infectious diseases-----	23	26	18	11	3	4	1	37.1
Alcoholic-----	106	71	54	36	16	7	7	42.8
Due to drugs and other exogenous poisons-----	52	34	24	20	14	9	3	44.0
Traumatic-----	7	10	10	5	4	9	3	---
With cerebral arteriosclerosis-----	134	385	670	905	1,096	2,019	67	67.2
With other disturbances of circulation-----	55	43	42	47	31	34	5	53.9
With convulsive disorders-----	67	32	34	14	9	7	7	31.7
Senile-----	8	34	102	339	632	2,912	35	70+
Involuntary psychoses-----	839	831	531	221	79	23	21	50.7
Due to other metabolic, etc., diseases-----	81	89	78	53	34	21	14	45.0
Due to new growth-----	10	12	9	4	5	1	---	---
With organic changes of the nervous system-----	58	50	35	24	20	19	4	45.9
Psychoneuroses-----	234	240	157	95	38	25	30	38.1
Manic-depressive-----	693	572	387	231	115	56	61	38.3
Dementia praecox (schizophrenia)-----	660	460	252	91	67	26	98	32.3
Paranoia and paranoid conditions-----	163	162	125	66	35	26	15	48.4
With psychopathic personality-----	20	22	11	6	3	2	5	31.4
With mental deficiency-----	95	68	38	16	14	8	14	32.5
Other, undiagnosed, and unknown-----	129	133	92	58	41	50	513	---
Without psychosis-----	315	220	128	112	61	97	240	36.4
Epilepsy-----	6	4	6	3	---	1	13	25.4
Mental deficiency-----	39	29	16	20	9	5	37	28.7
Alcoholism-----	109	65	28	11	9	2	62	36.8
Drug addiction-----	41	28	16	7	5	7	30	39.5
Personality disorders due to epidemic encephalitis-----	6	---	2	---	---	---	---	---
Psychopathic personality-----	11	10	6	3	3	1	16	30.2
Primary behavior disorders-----	5	6	6	3	2	---	8	20.5
Other, unclassified, and unknown-----	98	78	48	65	33	61	74	---

<sup>1</sup>Excluding data for certain private hospitals, not reported by sex.

## PATIENTS IN MENTAL INSTITUTIONS, 1930

TABLE 19.—FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS

DIVISION AND STATE	ALL FIRST ADMISSIONS			WITH PSYCHOSIS						
	Total	Male	Female	Total	Male	Female	General paresis		With other forms of syphilis of the C.N.S.	
							M	F	M	F
1 United States <sup>1</sup>	109,354	64,328	45,026	92,652	51,207	41,445	6,107	1,864	1,087	451
2 NEW ENGLAND	8,556	4,415	5,925	7,271	5,664	5,607	257	65	55	16
3 Maine	472	259	215	425	225	200	17	4	1	1
4 New Hampshire	455	252	201	574	187	187	11	9	—	2
5 Vermont	460	247	215	550	158	192	4	4	—	—
6 Massachusetts	4,504	2,286	2,018	5,840	1,964	1,876	157	29	15	6
7 Rhode Island	692	370	322	578	295	285	25	11	2	1
8 Connecticut	1,955	999	956	1,706	859	867	45	6	17	6
9 MIDDLE ATLANTIC	26,252	14,425	11,829	24,755	15,508	11,425	1,575	416	221	111
10 New York	15,271	8,177	7,094	14,666	7,715	6,953	808	245	126	62
11 New Jersey	4,891	2,944	1,947	4,469	2,656	1,855	149	55	44	25
12 Pennsylvania	6,090	5,302	2,788	5,598	2,959	2,659	416	116	51	24
13 EAST NORTH CENTRAL <sup>1</sup>	22,432	15,053	9,579	18,765	10,282	8,511	1,494	556	144	77
14 Ohio <sup>1</sup>	5,245	2,858	2,407	4,787	2,492	2,295	458	185	55	22
15 Indiana	2,075	1,164	911	1,987	1,018	871	195	86	28	7
16 Illinois	8,558	5,285	5,255	8,551	5,757	2,794	550	162	46	26
17 Michigan	5,603	2,069	1,534	5,150	1,782	1,418	228	75	15	15
18 Wisconsin	2,971	1,699	1,272	2,568	1,255	1,153	85	28	20	7
19 WEST NORTH CENTRAL	9,647	5,590	4,057	8,256	4,526	3,750	445	144	90	51
20 Minnesota	2,125	1,302	825	1,955	1,159	796	86	22	11	2
21 Iowa	1,672	1,155	719	1,569	894	675	75	17	8	2
22 Missouri	5,057	1,694	1,865	2,458	1,285	1,175	166	66	59	18
23 North Dakota	876	220	156	285	147	158	—	—	15	2
24 South Dakota	264	159	105	255	152	101	12	—	—	—
25 Nebraska	804	452	352	694	361	355	58	12	9	4
26 Kansas	1,149	610	539	1,062	548	514	66	27	8	5
27 SOUTH ATLANTIC <sup>1</sup>	12,895	8,085	4,810	10,109	5,847	4,262	871	225	107	50
28 Delaware	278	166	107	254	154	100	21	10	—	—
29 Maryland <sup>1</sup>	2,170	1,308	867	1,750	977	775	121	37	8	1
30 Dist. of Columbia	915	582	351	900	572	328	88	36	8	2
31 Virginia <sup>1</sup>	5,112	2,090	1,022	1,972	1,165	809	175	29	55	5
32 West Virginia	905	556	347	679	397	282	96	26	17	7
33 North Carolina <sup>1</sup>	1,786	1,091	695	1,506	690	618	71	10	6	24
34 South Carolina	1,359	802	557	1,150	655	495	105	24	5	1
35 Georgia <sup>1</sup>	1,667	1,095	574	1,458	672	566	157	37	5	—
36 Florida	712	402	310	678	367	291	59	16	27	12
37 EAST SOUTH CENTRAL <sup>1</sup>	8,328	5,594	2,734	5,912	5,467	2,425	460	116	216	46
38 Kentucky	2,005	1,265	740	1,457	822	655	154	41	29	12
39 Tennessee <sup>1</sup>	1,462	922	540	1,258	749	509	105	25	17	8
40 Alabama	2,798	2,155	645	1,647	1,064	585	106	15	151	19
41 Mississippi <sup>1</sup>	2,085	1,254	831	1,550	852	698	117	55	19	7
42 WEST SOUTH CENTRAL <sup>1</sup>	8,185	4,905	3,280	6,788	5,802	2,986	582	185	106	41
43 Arkansas	1,668	1,188	580	1,115	694	419	89	14	17	9
44 Louisiana <sup>1</sup>	1,746	899	847	1,558	756	802	119	42	17	5
45 Oklahoma	1,505	912	591	1,402	840	562	95	58	47	19
46 Texas	5,266	1,954	1,512	2,715	1,512	1,205	281	89	25	8
47 MOUNTAIN	2,469	1,609	860	2,062	1,268	794	118	45	57	31
48 Montana	325	199	124	261	155	106	9	5	5	2
49 Idaho	286	174	112	256	149	107	6	5	8	8
50 Wyoming	290	245	45	145	102	45	12	2	4	2
51 Colorado	720	468	252	665	425	240	40	8	12	2
52 New Mexico	215	135	78	210	135	77	17	9	15	9
53 Arizona	288	187	101	222	137	85	19	4	9	4
54 Utah	281	156	125	247	151	116	15	9	4	5
55 Nevada	68	45	23	58	36	20	2	3	2	1
56 PACIFIC <sup>1</sup>	10,812	6,658	4,154	8,758	5,055	3,705	529	186	115	28
57 Washington	1,588	956	632	1,412	806	606	75	28	12	6
58 Oregon	1,589	989	400	1,129	755	378	82	10	15	5
59 California <sup>1</sup>	7,635	4,715	3,122	6,217	5,494	2,725	372	98	88	19

<sup>1</sup> Excluding data for certain private hospitals, not reported by sex.

MENTAL DISEASE

FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939

WITH PSYCHOSIS—Continued																
With epidemic encephalitis		With other infectious diseases		Alcoholic		Due to drugs and other exogenous poisons		Traumatic		With cerebral arterio-sclerosis		With other disturbances of circulation		With convulsive disorders		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
180	108	234	254	4,060	709	301	330	484	96	7,255	5,339	414	332	1,046	766	1
7	8	18	14	441	70	29	25	25	5	818	760	26	27	72	66	2
---	---	5	---	23	1	1	---	2	---	28	18	---	---	8	6	3
---	---	1	---	21	2	1	2	2	---	53	41	---	---	---	5	4
1	---	---	---	15	---	3	3	---	---	37	30	1	3	2	4	5
3	4	7	11	255	48	9	12	15	3	474	479	15	12	42	31	6
1	---	2	---	33	5	2	2	2	1	44	42	6	6	6	7	7
2	4	3	3	94	14	13	6	4	1	182	150	4	6	14	13	8
64	29	44	42	1,190	236	49	55	175	24	2,006	1,640	109	90	229	197	9
36	21	22	28	830	163	23	25	121	14	1,421	1,167	53	51	128	106	10
7	2	13	8	134	26	6	2	24	2	364	301	19	14	24	16	11
21	6	9	6	226	47	20	28	30	8	221	172	37	25	77	75	12
28	29	59	58	998	168	54	64	91	19	1,639	1,155	51	53	138	84	13
11	5	9	8	190	30	32	39	24	10	278	217	18	18	14	9	14
3	5	5	5	51	10	2	1	3	3	123	110	7	4	8	3	15
4	9	21	18	549	97	12	7	41	---	844	551	12	16	65	42	16
4	3	24	22	116	21	7	14	16	3	181	138	9	12	36	15	17
6	7	---	5	92	10	1	3	7	3	213	139	5	3	17	15	18
20	8	15	37	214	17	24	27	22	15	613	351	32	22	104	71	19
6	2	3	4	74	7	1	2	5	1	198	100	2	1	32	12	20
5	3	6	11	32	1	5	3	10	8	83	41	5	2	26	11	21
4	3	5	15	54	5	11	10	4	5	171	120	15	8	26	27	22
---	---	---	---	8	2	1	---	1	---	24	12	---	1	3	9	23
---	---	---	---	8	---	1	---	1	---	24	13	---	1	6	4	24
1	---	---	4	24	2	---	3	---	---	29	31	6	6	9	6	25
4	---	1	2	14	---	5	9	1	1	84	34	4	3	2	2	26
21	8	21	35	355	40	40	65	52	5	644	444	90	45	163	107	27
2	---	---	---	18	2	---	1	2	---	29	16	---	---	3	---	28
1	2	4	4	92	17	9	19	3	---	108	79	8	6	14	14	29
2	2	3	3	29	5	---	---	3	---	83	99	3	1	8	7	30
5	2	4	10	74	3	9	1	20	2	118	85	16	5	20	12	31
2	---	7	11	17	---	1	4	5	2	31	21	2	2	14	6	32
1	1	1	---	15	7	1	5	6	---	71	25	---	---	17	11	33
---	---	---	2	62	2	4	8	1	---	62	46	58	30	32	23	34
5	---	2	3	37	3	14	26	10	1	90	36	2	1	42	25	35
3	1	---	2	11	1	2	1	2	---	52	39	1	---	13	9	36
11	7	11	10	97	20	35	29	20	2	359	226	22	32	137	85	37
1	2	5	5	45	8	6	6	6	2	89	53	3	2	15	16	38
1	3	2	2	32	5	8	4	5	---	70	34	4	1	16	13	39
9	1	3	---	14	6	15	15	8	---	68	33	14	1	59	31	40
---	1	1	3	6	1	6	4	1	---	132	106	1	28	47	25	41
15	11	24	38	143	17	35	25	30	12	387	245	37	28	73	74	42
3	---	14	30	35	1	8	1	8	1	75	58	4	4	21	20	43
---	6	4	5	27	8	9	6	2	4	82	87	1	4	11	16	44
8	4	3	---	41	4	3	6	4	3	108	37	22	12	29	23	45
4	1	3	3	40	4	15	12	16	4	122	63	10	8	12	15	46
4	1	9	6	62	5	10	8	10	3	105	50	5	2	30	15	47
---	---	3	1	2	1	1	3	1	---	10	10	2	1	2	1	48
1	1	---	---	11	1	2	1	3	2	10	4	---	---	3	---	49
---	---	---	---	4	2	---	---	1	1	9	4	1	---	2	---	50
2	---	1	1	18	1	5	1	1	---	55	24	2	1	8	4	51
1	---	5	3	3	---	1	---	1	---	3	2	---	---	4	5	52
---	---	---	---	4	---	---	---	3	---	16	6	---	---	4	4	53
---	---	---	---	16	---	1	2	---	---	2	---	---	---	6	1	54
---	---	---	1	4	---	---	1	---	---	---	---	---	---	1	---	55
10	7	33	14	560	136	25	32	59	11	684	468	42	33	100	67	56
6	3	3	1	48	8	6	10	12	---	126	93	11	10	18	9	57
1	1	3	---	92	16	4	2	9	---	96	33	12	3	15	8	58
3	3	27	13	420	112	13	20	38	11	462	342	19	20	67	50	59









MENTAL DISEASE

TABLE 20.—MALE FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup>	64,328	501	2,313	4,592	4,927	5,819	6,277
<b>NEW ENGLAND</b>	4,415	88	177	329	335	549	376
Maine	259	1	10	27	18	30	24
New Hampshire	252	5	16	14	25	15	18
Vermont	247	5	5	14	26	22	24
Massachusetts	2,286	19	98	167	157	162	188
Rhode Island	370	51	8	16	26	31	26
Connecticut	999	9	40	91	81	89	96
<b>MIDDLE ATLANTIC</b>	14,423	106	527	952	1,058	1,174	1,285
New York	8,177	71	281	550	629	715	787
New Jersey	2,944	6	80	137	150	156	178
Pennsylvania	3,302	31	166	265	279	325	320
<b>EAST NORTH CENTRAL</b> <sup>1</sup>	15,055	26	594	809	975	1,230	1,406
Ohio <sup>1</sup>	2,836	5	88	190	246	286	304
Indiana	1,164	—	24	79	77	116	147
Illinois	5,285	15	118	274	343	451	559
Michigan	2,069	7	107	161	175	200	207
Wisconsin	1,699	1	57	106	134	177	189
<b>WEST NORTH CENTRAL</b>	5,590	26	179	393	445	545	506
Minnesota	1,302	1	35	93	85	102	110
Iowa	1,153	4	33	86	94	115	87
Missouri	1,694	11	62	106	137	174	162
North Dakota	220	—	4	19	23	25	25
South Dakota	159	—	7	14	8	19	14
Nebraska	452	3	16	33	42	49	48
Kansas	610	7	22	42	56	63	61
<b>SOUTH ATLANTIC</b> <sup>1</sup>	8,065	96	397	682	672	781	825
Delaware	166	—	12	8	13	12	20
Maryland <sup>1</sup>	1,305	3	67	97	128	115	159
District of Columbia	582	2	28	95	67	64	65
Virginia <sup>1</sup>	2,090	23	64	113	103	129	124
West Virginia	556	15	28	45	34	78	79
North Carolina <sup>1</sup>	1,091	27	61	97	129	142	145
South Carolina	802	9	59	98	76	101	76
Georgia <sup>1</sup>	1,093	16	47	84	96	91	118
Florida	402	1	31	45	31	51	41
<b>EAST SOUTH CENTRAL</b> <sup>1</sup>	5,594	53	192	359	406	469	526
Kentucky	1,265	14	43	83	88	115	153
Tennessee <sup>1</sup>	922	3	46	75	106	122	90
Alabama	2,155	11	56	103	105	124	156
Mississippi <sup>1</sup>	1,254	25	47	98	107	108	127
<b>WEST SOUTH CENTRAL</b> <sup>1</sup>	4,903	56	214	394	460	504	496
Arkansas	1,138	43	51	81	89	80	80
Louisiana <sup>1</sup>	899	3	41	82	102	124	107
Oklahoma	912	5	39	84	91	104	91
Texas	1,954	5	83	147	178	196	218
<b>MOUNTAIN</b>	1,609	20	74	109	117	117	131
Montana	199	5	6	17	25	23	15
Idaho	174	4	9	12	15	19	14
Wyoming	245	1	17	14	10	5	16
Colorado	468	—	12	14	21	8	26
New Mexico	135	3	10	21	14	10	11
Arizona	187	4	14	16	17	22	25
Utah	156	2	4	15	13	29	16
Nevada	45	1	2	—	2	1	8
<b>PACIFIC</b> <sup>1</sup>	6,656	26	159	365	459	650	727
Washington	956	4	26	62	56	63	79
Oregon	989	5	22	34	44	59	65
California <sup>1</sup>	4,713	19	111	269	359	528	583

<sup>1</sup> Excluding data for certain private hospitals, not reported by sex.



MENTAL DISEASE

TABLE 21.—FEMALE FIRST ADMISSIONS TO STATE, VETERANS', COUNTY, CITY, AND PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup> -----	45,026	345	1,804	3,122	4,181	4,554	4,621
NEW ENGLAND-----	3,923	37	158	278	349	322	347
Maine-----	213	1	15	18	18	17	27
New Hampshire-----	201	1	9	15	19	10	20
Vermont-----	213	1	11	14	29	17	17
Massachusetts-----	2,018	17	80	135	152	141	171
Rhode Island-----	322	13	13	17	18	18	20
Connecticut-----	956	4	30	79	113	119	92
MIDDLE ATLANTIC-----	11,829	73	452	774	1,015	1,082	1,088
New York-----	7,094	46	251	460	607	664	680
New Jersey-----	1,947	7	73	97	134	124	138
Pennsylvania-----	2,788	20	126	217	274	294	270
EAST NORTH CENTRAL <sup>1</sup> -----	9,379	26	266	572	812	967	1,009
Ohio <sup>1</sup> -----	2,407	4	77	150	242	265	244
Indiana-----	911	---	24	33	67	88	95
Illinois-----	3,255	8	95	187	260	299	364
Michigan-----	1,534	12	55	110	142	173	155
Wisconsin-----	1,272	2	35	92	101	142	151
WEST NORTH CENTRAL-----	4,057	35	142	256	384	418	406
Minnesota-----	823	3	24	42	75	87	80
Iowa-----	719	5	24	45	68	68	78
Missouri-----	1,363	12	42	83	124	142	141
North Dakota-----	156	1	10	13	19	23	15
South Dakota-----	105	---	4	6	15	9	8
Nebraska-----	352	2	15	21	40	29	33
Kansas-----	539	12	23	46	43	60	51
SOUTH ATLANTIC <sup>1</sup> -----	4,810	88	304	416	532	530	562
Delaware-----	107	---	3	6	10	11	11
Maryland <sup>1</sup> -----	867	8	55	72	98	115	98
District of Columbia-----	331	2	17	20	31	35	25
Virginia <sup>1</sup> -----	1,022	25	68	65	81	75	94
West Virginia-----	347	12	15	31	42	41	49
North Carolina <sup>1</sup> -----	695	14	47	81	76	101	100
South Carolina-----	557	10	44	63	67	58	79
Georgia <sup>1</sup> -----	574	13	33	52	87	74	67
Florida-----	310	4	22	26	40	20	39
EAST SOUTH CENTRAL <sup>1</sup> -----	2,734	29	125	229	297	324	303
Kentucky-----	740	10	23	67	92	95	87
Tennessee <sup>1</sup> -----	540	4	25	41	43	63	66
Alabama-----	643	4	48	51	85	72	85
Mississippi <sup>1</sup> -----	811	11	29	70	77	94	65
WEST SOUTH CENTRAL <sup>1</sup> -----	3,280	27	179	281	351	391	390
Arkansas-----	530	18	39	49	49	59	51
Louisiana <sup>1</sup> -----	847	2	42	68	90	96	115
Oklahoma-----	591	2	37	57	63	66	61
Texas-----	1,312	5	61	107	149	170	163
MOUNTAIN-----	860	11	30	56	59	68	80
Montana-----	124	5	4	7	7	6	16
Idaho-----	112	---	6	6	13	12	5
Wyoming-----	45	---	2	6	3	2	6
Colorado-----	252	---	4	9	10	11	15
New Mexico-----	78	2	2	10	7	11	13
Arizona-----	101	2	3	11	8	12	7
Utah-----	125	1	9	6	11	11	12
Nevada-----	23	1	---	1	---	3	6
PACIFIC <sup>1</sup> -----	4,154	19	128	260	382	452	436
Washington-----	632	1	23	35	52	54	48
Oregon-----	400	5	14	37	24	43	36
California <sup>1</sup> -----	3,122	13	91	188	306	355	352

<sup>1</sup> Excluding data for certain private hospitals, not reported by sex.



**Readmissions.**—A patient who has previously received treatment in a hospital for mental disease other than one which provides temporary care only (as the psychiatric ward of a general hospital), whether located in the State or elsewhere, and who has been discharged from books, is designated as a readmission.

Readmission data by clinical diagnosis have never before been available for veterans', county, or city hospitals. They are not available now for private hospitals, so that in comparing data presented in this section with data presented in previous sections, apparent singularities, which may be explained by differences in the type of patient cared for in a private hospital, should be allowed.

Of the 27,024 readmissions to public hospitals, 16,170 were male and 10,854 were female. In State hospitals the number of male readmissions (11,915) slightly exceeded the number of female (10,274), but the difference in the total may mainly be accounted for by the readmissions to veterans' hospitals of which 3,675 were male and 7 were female.

Readmission data were more seriously influenced than first admissions by large numbers of patients with psychoneuroses and neuroses in veterans' hospitals. They have been included, as they were in previous sections, in the diagnosis "Other, unclassified, and unknown" without psychosis.

Age distributions were not secured for readmitted patients in any of the hospitals. The distribution of clinical diagnosis by State and geographic region is available for public hospitals. Dementia praecox (schizophrenia) was responsible for the largest number of readmissions, 7,502. Manic-depressive psychosis with 5,689 readmissions, alcoholism without psychosis with 1,599 readmissions, alcoholic psychosis with 1,394 readmissions, and cerebral arteriosclerosis with 1,133 readmissions were next in order of magnitude.

TABLE 22.—READMISSIONS TO STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL HOSPITALS			STATE		VETERANS' ADMINISTRATION		COUNTY AND CITY	
	Total	Male	Female	Male	Female	Male	Female	Male	Female
Total	27,024	16,170	10,854	11,915	10,274	3,675	7	580	575
With psychosis	22,489	12,285	10,204	9,850	9,656	1,942	6	513	542
General paresis	1,027	801	228	559	217	259	—	25	9
With other forms of syphilis of the C.N.S.	272	208	64	108	62	97	—	5	2
With epidemic encephalitis	101	75	28	48	28	22	—	5	—
With other infectious diseases	47	54	13	19	13	15	—	2	—
Alcoholic	1,394	1,196	198	965	179	185	—	48	19
Due to drugs and other exogenous poisons	107	62	45	58	42	22	—	2	5
Traumatic	103	95	8	66	7	27	—	2	1
With cerebral arteriosclerosis	1,133	612	521	547	506	42	1	25	14
With other disturbances of circulation	82	45	37	36	35	7	—	2	2
With convulsive disorders	701	441	260	325	248	101	—	15	12
Senile	469	256	255	202	205	17	—	17	50
Involuntary psychoses	598	167	431	155	416	10	—	2	15
Due to other metabolic, etc., diseases	127	42	85	32	82	10	—	—	3
Due to new growth	12	5	7	5	7	1	—	1	—
With organic changes of the nervous system	177	112	65	85	64	26	—	5	1
Psychoneuroses	664	278	386	268	372	—	—	10	14
Manic-depressive	5,689	2,266	3,423	1,990	3,247	180	4	96	172
Dementia praecox (schizophrenia)	7,502	4,261	3,241	3,395	3,052	682	1	184	188
Paranoia and paranoid conditions	402	195	207	157	194	22	—	16	13
With psychopathic personality	506	345	161	270	154	65	—	10	7
With mental deficiency	915	513	400	405	374	75	—	53	26
Other, undiagnosed, and unknown	465	298	165	179	154	101	—	18	11
Without psychosis	4,535	3,885	650	2,065	618	1,735	1	67	31
Epilepsy	167	118	51	70	45	35	—	11	6
Mental deficiency	375	252	123	184	113	53	—	15	10
Alcoholism	1,599	1,448	151	1,159	144	266	—	25	7
Drug addiction	256	157	79	135	76	21	—	1	3
Personality disorders due to epidemic encephalitis	12	10	2	8	2	1	—	1	—
Psychopathic personality	362	305	57	176	55	120	—	9	2
Primary behavior disorders	47	38	9	14	9	22	—	—	—
Other, unclassified, and unknown	1,737	1,559	178	337	174	1,215	1	7	3









**Discharges.**— Data reporting condition on discharge, as well as clinical diagnosis and age distribution of discharges were requested only of public hospitals for mental disease, as was the case for readmissions.

Of total discharges from all public hospitals (66,021), 40,270 were of male patients and 25,751 were of female patients. There was a much larger number of male discharges (33,485) than of female discharges (24,121) in State hospitals. This was due mainly to patients diagnosed with general paresis (1,971 male, 705 female), alcoholic psychosis (3,036 male, 506 female), dementia praecox (schizophrenia) (7,036 male, 5,841 female), and alcoholism without psychosis (3,749 male, 579 female). Involuntional psychoses were responsible for more than three times as many discharges of female (1,362) as of male (421) patients in State hospitals.

There were few discharges of female patients from veterans' hospitals. In county and city hospitals a large proportion of the 2,502 male and 1,615 female patients discharged were reported with "Other, undiagnosed, and unknown" conditions with psychosis (924 male and 278 female).

TABLE 24.—PATIENTS DISCHARGED FROM STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL HOSPITALS			STATE		VETERANS' ADMINISTRATION		COUNTY AND CITY	
	Total	Male	Female	Male	Female	Male	Female	Male	Female
Total	66,021	40,270	25,751	33,485	24,121	4,285	15	2,502	1,615
With psychosis	52,911	29,655	23,266	25,157	21,741	2,285	7	2,215	1,508
General paresis	3,105	2,351	752	1,971	705	272	—	108	47
With other forms of syphilis of the C.N.S.	690	495	197	451	190	28	—	14	7
With epidemic encephalitis	149	103	46	98	46	—	—	5	—
With other infectious diseases	243	117	126	97	121	17	—	3	5
Alcoholic	4,162	3,608	556	3,056	506	353	—	217	50
Due to drugs and other exogenous poisons	582	187	195	154	172	29	—	4	26
Traumatic	407	355	52	299	48	36	—	20	4
With cerebral arteriosclerosis	3,070	1,815	1,255	1,675	1,209	75	1	69	45
With other disturbances of circulation	248	156	92	146	86	3	—	7	6
With convulsive disorders	1,156	725	433	656	415	69	—	18	20
Senile	1,163	591	572	502	505	10	—	79	67
Involuntional psychoses	1,900	459	1,441	421	1,362	20	1	18	78
Due to other metabolic, etc., diseases	741	258	483	220	454	26	—	12	29
Due to new growth	38	20	18	18	18	1	—	1	—
With organic changes of the nervous system	512	206	106	149	103	51	—	6	3
Psychoneuroses	2,651	1,087	1,564	1,030	1,483	—	—	57	81
Manic-depressive	11,582	4,968	6,564	4,442	6,204	329	4	197	356
Dementia praecox (schizophrenia)	14,257	8,116	6,141	7,036	5,841	750	1	350	299
Paranoia and paranoid conditions	1,000	505	495	469	467	11	—	25	28
With psychopathic personality	1,195	819	374	705	345	90	—	26	29
With mental deficiency	2,064	1,148	886	988	853	107	—	53	53
Other, undiagnosed, and unknown	2,490	1,572	908	618	630	30	—	924	278
Without psychosis	15,110	10,615	2,495	8,328	2,380	1,998	8	289	107
Epilepsy	450	524	126	200	117	104	—	20	9
Mental deficiency	1,137	738	399	612	370	93	—	55	29
Alcoholism	5,208	4,603	605	3,749	579	714	1	140	26
Drug addiction	600	365	235	307	228	50	—	8	9
Personality disorders due to epidemic encephalitis	45	37	8	34	7	—	—	3	1
Psychopathic personality	1,126	921	205	661	187	226	2	55	16
Primary behavior disorders	255	137	98	134	96	—	—	3	2
Other, unclassified, and unknown	4,309	3,490	819	2,631	798	812	5	47	16

As was the case among first admissions, female patients were slightly younger on discharge, with a median age of 40.6 years as compared with 41.9 years for males. For patients with psychosis, the median age for males was 41.8 years and for females 41.0 years, while for patients diagnosed as without psychosis the median age for males was 42.2 years and for females 37.1 years. This latter difference was due principally to epilepsy without psychosis in which the median age on discharge of males was 36.0 years and of females 26.5 years.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 25.—PATIENTS DISCHARGED FROM STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX, BY AGE: 1939

AGE (IN YEARS)	ALL HOSPITALS			STATE		VETERANS' ADMINISTRATION		COUNTY AND CITY	
	Total	Male	Female	Male	Female	Male	Female	Male	Female
All ages-----	66,021	40,270	25,751	33,485	24,121	4,283	15	2,502	1,615
Under 15-----	294	179	115	173	110	-----	-----	6	5
15 - 19-----	1,958	1,112	846	1,062	788	1	-----	49	58
20 - 24-----	4,651	2,749	1,902	2,606	1,794	8	-----	135	108
25 - 29-----	5,970	3,396	2,574	3,209	2,416	17	-----	170	158
30 - 34-----	6,649	3,906	2,743	3,723	2,587	21	-----	162	156
35 - 39-----	7,397	4,395	3,002	3,968	2,853	218	-----	209	149
40 - 44-----	7,940	5,252	2,688	3,434	2,514	1,669	4	149	170
45 - 49-----	7,252	4,688	2,564	3,033	2,410	1,487	4	168	150
50 - 54-----	5,538	3,421	2,117	2,676	1,991	596	5	149	121
55 - 59-----	3,941	2,323	1,618	2,096	1,533	109	1	118	84
60 - 64-----	2,701	1,622	1,079	1,459	1,027	84	-----	79	52
65 - 69-----	2,007	1,186	821	1,094	773	36	1	56	47
70 and over-----	2,205	1,302	903	1,182	836	16	-----	104	67
Unknown-----	7,518	4,739	2,779	3,770	2,489	21	-----	948	290

MENTAL DISEASE

TABLE 26.—MALE PATIENTS DISCHARGED FROM STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total	40,270	179	1,112	2,749	5,396	5,908	4,395	5,252
With psychosis	29,655	66	810	2,242	2,706	2,964	5,107	5,404
General paresis	2,551	7	16	23	76	254	420	450
With other forms of syphilis of the C.N.S.	493	2	4	8	27	62	78	69
With epidemic encephalitis	103	4	5	15	17	17	11	7
With other infectious diseases	117	2	5	11	11	15	9	16
Alcoholic	3,606	—	2	37	162	369	496	629
Due to drugs and other exogenous poisons	187	—	1	7	7	14	25	28
Traumatic	355	1	12	13	26	32	26	60
With cerebral arteriosclerosis	1,815	—	1	2	3	2	4	17
With other disturbances of circulation	156	—	—	1	2	7	15	20
With convulsive disorders	723	6	62	103	102	69	66	70
Senile	591	—	—	—	—	1	—	2
Involuntal psychoses	459	—	—	1	1	—	6	18
Due to other metabolic, etc., diseases	258	1	10	8	15	13	22	34
Due to new growth	20	—	—	—	1	—	3	3
With organic changes of the nervous system	206	1	6	10	14	12	18	33
Psychoneuroses	1,087	3	33	96	117	157	142	119
Manic-depressive	4,968	1	86	289	380	411	495	554
Dementia praecox (schizophrenia)	8,116	11	406	1,356	1,449	1,214	956	911
Paranoia and paranoid conditions	905	1	2	5	6	31	32	62
With psychopathic personality	819	6	40	76	112	114	114	116
With mental deficiency	1,148	18	84	152	118	118	109	109
Other, undiagnosed, and unknown	1,572	2	35	49	60	74	60	68
Without psychosis	10,615	113	302	507	690	942	1,288	1,848
Epilepsy	324	15	24	48	34	26	31	54
Mental deficiency	738	38	93	118	74	54	70	75
Alcoholism	4,605	—	7	59	275	520	600	940
Drug addiction	365	—	1	5	26	42	50	85
Personality disorders due to epidemic encephalitis	37	2	4	7	4	8	4	4
Psychopathic personality	921	3	76	124	106	99	108	170
Primary behavior disorders	157	29	27	19	12	10	6	4
Other, unclassified, and unknown	3,490	26	70	127	159	185	219	516

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown	
Total	4,688	3,421	2,323	1,622	1,186	1,302	4,739	41.9
With psychosis	3,229	2,478	1,806	1,302	990	1,154	3,415	41.8
General paresis	379	292	140	101	41	14	149	45.5
With other forms of syphilis of the C.N.S.	74	59	47	18	16	4	25	43.8
With epidemic encephalitis	7	3	—	—	—	—	16	—
With other infectious diseases	15	10	9	5	3	2	8	41.1
Alcoholic	622	454	321	163	112	56	183	45.1
Due to drugs and other exogenous poisons	33	34	15	6	4	5	8	46.1
Traumatic	49	40	31	20	12	9	24	44.6
With cerebral arteriosclerosis	46	147	250	351	379	488	125	65.3
With other disturbances of circulation	11	13	18	17	18	13	21	54.4
With convulsive disorders	59	48	20	12	8	8	90	33.2
Senile	1	8	20	67	95	352	47	70*
Involuntal psychoses	74	119	139	54	28	4	15	55.1
Due to other metabolic, etc., diseases	33	27	25	21	10	13	26	47.0
Due to new growth	4	—	2	1	3	—	3	—
With organic changes of the nervous system	38	25	17	6	8	2	18	45.0
Psychoneuroses	154	92	62	40	19	12	61	38.8
Manic-depressive	574	471	400	225	138	85	859	43.5
Dementia praecox (schizophrenia)	679	567	133	79	37	21	517	32.5
Paranoia and paranoid conditions	94	77	54	48	26	12	55	49.0
With psychopathic personality	110	42	32	17	9	5	28	37.1
With mental deficiency	120	66	38	24	8	9	175	34.9
Other, undiagnosed, and unknown	75	66	35	27	17	20	984	—
Without psychosis	1,459	943	515	320	196	168	1,324	42.2
Epilepsy	40	19	11	2	1	1	18	36.0
Mental deficiency	63	49	27	11	5	1	60	31.5
Alcoholism	763	508	300	185	81	58	107	45.1
Drug addiction	59	36	17	12	8	5	21	42.8
Personality disorders due to epidemic encephalitis	3	—	—	—	—	—	1	—
Psychopathic personality	106	59	20	6	6	6	32	36.7
Primary behavior disorders	6	5	4	4	5	1	5	22.6
Other, unclassified, and unknown	419	267	136	100	90	96	1,080	—

TABLE 27.—FEMALE PATIENTS DISCHARGED FROM STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total	25,751	115	846	1,902	2,574	2,743	3,002	2,688
With psychosis	23,256	46	678	1,684	2,511	2,461	2,664	2,410
General paresis	752	4	5	18	44	97	158	116
With other forms of syphilis of the C.N.S.	197	—	6	11	23	26	27	25
With epidemic encephalitis	46	—	6	4	6	9	10	1
With other infectious diseases	126	1	2	17	12	17	18	22
Alcoholic	556	—	1	9	33	74	87	91
Due to drugs and other exogenous poisons	195	—	3	8	15	22	25	23
Traumatic	52	2	—	6	5	9	9	4
With cerebral arteriosclerosis	1,255	—	2	—	1	2	5	16
With other disturbances of circulation	92	—	—	2	1	3	7	10
With convulsive disorders	433	6	25	45	61	63	63	37
Senile	572	—	—	—	—	—	—	3
Involuntary psychoses	1,441	—	—	—	2	3	25	189
Due to other metabolic, etc., diseases	485	1	10	30	41	56	66	46
Due to new growth	18	1	1	1	4	1	2	2
With organic changes of the nervous system	106	—	1	4	16	9	8	11
Psychoneuroses	1,564	5	48	104	158	204	255	197
Manic-depressive	6,564	2	126	382	659	699	787	761
Dementia praecox (schizophrenia)	6,141	17	322	838	988	922	882	607
Paranoia and paranoid conditions	495	—	3	1	11	26	47	68
With psychopathic personality	374	1	38	55	45	44	47	37
With mental deficiency	886	4	58	104	126	112	94	73
Other, undiagnosed, and unknown	908	2	21	45	60	63	62	71
Without psychosis	2,495	69	168	218	263	282	338	278
Epilepsy	126	4	26	25	20	15	10	7
Mental deficiency	399	27	46	64	46	49	41	33
Alcoholism	605	—	2	17	61	84	119	112
Drug addiction	235	—	—	10	22	42	42	33
Personality disorders due to epidemic encephalitis	8	—	2	1	4	—	—	1
Psychopathic personality	205	5	29	37	25	21	26	19
Primary behavior disorders	98	18	22	9	14	4	7	4
Other, unclassified, and unknown	819	15	41	55	71	67	95	69

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total	2,584	2,117	1,618	1,079	821	903	2,779	40.6
With psychosis	2,351	1,969	1,503	998	777	860	2,564	41.0
General paresis	104	72	57	17	15	3	82	41.5
With other forms of syphilis of the C.N.S.	22	20	14	5	5	1	12	39.9
With epidemic encephalitis	5	2	—	—	—	—	3	—
With other infectious diseases	9	8	3	3	—	2	12	37.2
Alcoholic	79	72	35	36	11	15	15	43.7
Due to drugs and other exogenous poisons	26	12	23	5	7	2	24	42.7
Traumatic	4	3	1	1	3	1	4	—
With cerebral arteriosclerosis	46	98	214	256	254	309	52	64.2
With other disturbances of circulation	15	14	12	8	7	5	8	—
With convulsive disorders	34	21	15	5	5	4	49	34.4
Senile	3	9	24	72	110	305	46	70+
Involuntary psychoses	358	377	251	106	53	21	56	51.5
Due to other metabolic, etc., diseases	67	40	39	15	11	3	58	40.9
Due to new growth	3	1	—	—	1	—	1	—
With organic changes of the nervous system	11	10	9	5	7	2	13	—
Psychoneuroses	170	127	98	61	31	11	95	39.2
Manic-depressive	688	578	405	263	180	94	965	40.9
Dementia praecox (schizophrenia)	462	302	178	68	39	38	478	33.6
Paranoia and paranoid conditions	73	80	62	38	25	23	58	50.0
With psychopathic personality	29	24	14	8	9	4	19	34.4
With mental deficiency	70	54	30	10	7	9	135	33.7
Other, undiagnosed, and unknown	53	50	39	16	17	10	399	—
Without psychosis	233	148	115	81	44	43	215	37.1
Epilepsy	5	3	4	1	2	—	4	26.5
Mental deficiency	26	17	14	4	6	1	25	30.4
Alcoholism	95	48	26	17	5	5	14	40.8
Drug addiction	21	15	17	12	2	3	18	39.1
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—
Psychopathic personality	8	8	5	3	—	—	19	29.4
Primary behavior disorders	4	2	6	1	—	—	7	—
Other, unclassified, and unknown	74	57	43	43	29	34	128	—

















The discharge rate in State, county, and city hospitals was 117.8 per 1,000 patients under treatment, almost twice the death rate, as shown in table 38. Among the individual psychotic conditions, the rates ranged from 65.5 for dementia praecox (schizophrenia) to 428.9 for psychosis due to drugs and other exogenous poisons. Among mental disorders without psychosis the rate of discharge was highest for alcoholism—690.0. The discharge rate for all mental disorders combined decreased steadily with increasing age, in contrast to the death rate, for which the opposite was true.

TABLE 31.—DISCHARGES FROM STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, PER 1,000 PATIENTS UNDER TREATMENT,<sup>1</sup> BY AGE, BY MENTAL DISORDER: 1939

(Rate not shown where base is less than 50)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	55-59	40-44
Total	117.8	198.0	242.0	225.4	182.6	160.0	147.2	131.5
With psychosis	102.1	152.6	225.0	208.3	166.2	140.6	125.1	111.3
General paresis	99.1	—	128.8	130.2	141.2	141.0	131.8	110.8
With other forms of syphilis of the C.N.S.	113.3	—	166.7	114.5	169.5	167.6	135.7	120.0
With epidemic encephalitis	96.4	—	120.9	124.2	101.8	95.5	85.0	48.8
With other infectious diseases	231.8	—	—	353.3	280.5	265.5	259.6	297.5
Alcoholic	264.1	—	—	460.0	472.2	463.3	394.5	360.3
Due to drugs and other exogenous poisons	428.9	—	—	—	—	537.3	475.2	562.1
Traumatic	181.8	—	—	287.9	244.1	273.3	215.7	256.3
With cerebral arteriosclerosis	91.7	—	—	—	—	—	155.2	163.7
With other disturbances of circulation	204.8	—	—	—	—	—	314.3	284.3
With convulsive disorders	83.7	100.0	152.1	139.4	119.5	88.0	85.1	67.1
Senile	49.3	—	—	—	—	—	—	—
Involuntary psychoses	157.7	—	—	—	—	—	176.1	229.6
Due to other metabolic, etc., diseases	215.8	—	392.2	555.1	306.0	278.2	243.8	210.2
Due to new growth	141.2	—	—	—	—	—	—	—
With organic changes of the nervous system	67.9	—	70.0	90.3	111.1	61.0	71.0	69.4
Psychoneuroses	418.9	—	627.9	533.3	513.1	503.5	453.2	417.4
Manic-depressive	206.7	—	424.8	403.0	357.3	285.0	251.8	213.5
Dementia praecox (schizophrenia)	65.5	197.2	218.2	188.1	127.3	95.4	71.7	55.4
Paranoia and paranoid conditions	75.8	—	—	113.2	100.0	147.3	143.3	122.5
With psychopathic personality	216.9	—	351.4	303.9	294.7	254.4	248.0	205.4
With mental deficiency	70.6	101.9	127.9	119.2	95.3	79.1	64.6	51.0
Other, undiagnosed, and unknown	61.8	—	369.1	284.8	300.0	233.8	187.1	205.2
Without psychosis	395.1	237.6	318.2	367.4	382.8	411.9	442.6	431.3
Epilepsy	143.3	237.5	268.8	258.1	180.3	162.1	151.4	80.4
Mental deficiency	102.3	178.6	175.5	185.8	119.0	96.9	100.4	77.2
Alcoholism	690.0	—	—	655.2	711.9	711.1	744.2	716.2
Drug addiction	684.1	—	—	—	695.7	705.9	664.2	698.4
Personality disorders due to epidemic encephalitis	238.1	—	—	—	—	—	—	—
Psychopathic personality	472.4	—	504.8	614.5	512.0	461.8	423.7	523.3
Primary behavior disorders	421.9	209.8	490.0	—	—	—	—	—
Other, unclassified, and unknown	632.4	661.3	672.7	744.9	710.3	653.5	621.9	638.5

MENTAL DISORDER	All ages	AGE (IN YEARS)—Continued						
		45-49	50-54	55-59	60-64	65-69	70 and over	Unknown
Total	114.2	96.1	82.3	66.7	62.9	41.9	140.9	
With psychosis	99.2	85.7	72.6	60.7	57.0	36.7	117.2	
General paresis	86.6	77.5	51.9	58.3	48.7	25.4	270.3	
With other forms of syphilis of the C.N.S.	118.9	91.4	87.7	48.5	71.9	21.4	315.8	
With epidemic encephalitis	95.2	50.5	—	—	—	—	—	
With other infectious diseases	160.0	142.9	135.8	125.0	—	—	—	
Alcoholic	304.8	243.0	171.5	128.7	100.5	62.3	547.5	
Due to drugs and other exogenous poisons	432.4	421.6	450.0	—	—	—	—	
Traumatic	168.8	144.4	127.0	90.4	104.2	73.0	383.6	
With cerebral arteriosclerosis	154.3	136.7	132.9	104.8	90.0	58.1	265.8	
With other disturbances of circulation	175.2	161.7	173.4	161.3	181.2	111.1	—	
With convulsive disorders	61.2	46.8	35.1	24.3	27.4	30.8	167.3	
Senile	61.5	66.4	60.0	73.9	61.1	39.3	180.9	
Involuntary psychoses	222.3	182.8	156.3	98.3	80.0	29.3	322.7	
Due to other metabolic, etc., diseases	223.6	140.1	152.0	119.9	114.1	105.3	631.6	
Due to new growth	—	—	—	—	—	—	—	
With organic changes of the nervous system	64.4	50.7	58.8	34.0	77.3	20.0	139.0	

<sup>1</sup> Under treatment includes number of patients resident at end of year, plus those who were discharged and those who died in hospitals during the year.

TABLE 31.—DISCHARGES FROM STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, PER 1,000 PATIENTS UNDER TREATMENT,<sup>1</sup> BY AGE, BY MENTAL DISORDER: 1939—Continued

(Rate not shown where base is less than 50)

MENTAL DISORDER	AGE (IN YEARS)—Continued						
	45-49	50-54	55-59	60-64	65-69	70 and over	Un- known
<b>With psychosis—Continued</b>							
Psychoneuroses—	419.3	328.3	284.7	268.6	252.5	145.8	666.7
Manic-depressive—	187.7	159.1	132.1	100.5	83.9	45.5	454.3
Dementia praecox (schizophrenia)—	36.9	26.2	18.3	10.8	8.5	6.2	137.1
Paranoia and paranoid conditions—	99.4	76.9	59.7	50.2	37.3	19.9	250.0
With psychopathic personality—	174.1	135.3	134.9	101.7	105.3	62.9	304.1
With mental deficiency—	49.1	42.1	30.8	23.4	16.3	19.8	184.5
Other, undiagnosed, and unknown—	176.0	147.4	107.1	76.2	84.6	48.2	41.6
<b>Without psychosis—</b>	<b>389.1</b>	<b>368.1</b>	<b>316.1</b>	<b>303.6</b>	<b>268.6</b>	<b>215.0</b>	<b>687.4</b>
Epilepsy—	53.9	42.2	77.4	31.3	31.7	19.6	153.3
Mental deficiency—	58.3	55.4	55.2	33.8	35.3	6.8	211.7
Alcoholism—	697.8	678.0	608.9	579.3	471.6	469.2	923.1
Drug addiction—	680.0	611.1	660.0	—	—	—	—
Personality disorders due to epidemic encephalitis—	—	—	—	—	—	—	—
Psychopathic personality—	419.6	4.7.6	241.4	180.0	—	—	796.9
Primary behavior disorders—	—	—	—	—	—	—	—
Other, unclassified, and unknown—	576.1	558.9	516.2	469.0	454.2	307.5	787.1

<sup>1</sup>Under treatment includes number of patients resident at end of year, plus those who were discharged and those who died in hospitals during the year.

**Deaths.**—In this annual enumeration detailed information by individual patient death was secured from all public hospitals for mental disease. A selected list<sup>1</sup> of causes of death comprising approximately 30 individual causes and a number of grouped causes was compiled largely on the basis of frequency. In a few instances diseases that are of particular interest, although not occurring with great frequency, were also included. Totals for each of the 18 major categories were obtained. All other causes not specifically stated under any one of the categories were grouped and termed "All others" for each major division. The same selected list of causes of death was used throughout the report for mental disease, as well as for mental defect and epilepsy.

There were 37,757 deaths in all these institutions (for mental disease and for mental defect and epilepsy), 22,040 male and 15,717 female. Approximately one-fifth, or 8,190 deaths, were attributed to infectious and parasitic diseases, and one-third, or 13,468, to diseases of the circulatory system. These categories were the largest.

Of the 37,757 deaths in all public hospitals and institutions, 21,814 reported only a primary cause of death with no secondary causes indicated. There were several reasons for the large number of deaths reported with only a single cause. Where the data were reported by a central State board, the secondary causes of death were not always available to the reporting agency although they may have been recorded by the hospital. In other cases the attending physician indicated only a single cause of death.

There were 8,190 deaths with primary cause reported as due to infectious and parasitic diseases. The largest numbers of secondary causes of death reported as associated with these diseases were bronchopneumonia (358) and diseases of myocardium (339). Diseases of the nervous system when reported as a primary cause of death (4,467) were associated most frequently with arteriosclerosis as a secondary cause (906). Diseases of the circulatory system when reported as a primary cause (13,468) had senility (932), and bronchopneumonia (717) reported most frequently as secondary causes of death. Diseases of the respiratory

<sup>1</sup>For complete titles of stub listings in tables, see "Manual of the International List of Causes of Death (fifth revision), 1938 and Joint Causes of Death (fourth edition), 1939." Government Printing Office, Washington, D. C., 1940.

system as a primary cause of death (4,213), were reported with arteriosclerosis as the most frequent associated cause (796). (For listing of unpublished data that are available see page IX.)

There were 35,215 deaths of patients in public hospitals for mental disease; 31,451, or 89 percent, were reported in State hospitals, 1,170 in Veterans' Administration hospitals, and 2,594 in county and city hospitals. The median age at death of patients in State hospitals was 64.4 years, as compared with a median age of 47.9 years in Veterans' Administration hospitals, and 67.3 years in county and city hospitals.

The tables dealing with deaths are presented for either State, veterans', county and city hospitals combined, or in certain instances, only for State, county, and city hospitals combined. Data for veterans' hospitals have been omitted from those tables where their inclusion would distort the presentation of State, county, and city hospital data. In most of these instances the information for veterans' hospitals is presented separately.

The distribution of deaths in State, veterans', county, and city hospitals by mental disorder and sex for each division and State, as presented in table 34, is a composite presentation of the data given in the sections dealing with each of these types of hospitals individually.

The median age at death of male patients in State, veterans', county, and city hospitals was 63.5 years as compared with 64.9 years for female patients. In both cases the median age of patients without psychosis was considerably younger, 49.9 years for males and 46.0 years for females.

The distribution of deaths of patients in State, county, and city hospitals by age, mental disorder, race, and sex, as presented in table 37, is comparable with table 88 for veterans' hospitals, presented in that section.

In table 38, in which death rates per 1,000 patients under treatment are presented by mental disorder and by age group, deaths in veterans' hospitals have been excluded because of the markedly different age distribution of the patients cared for. A similar table has not been presented for veterans' hospitals because the number of deaths in most age-diagnosis categories was too small. The median age of patient deaths in State, county, and city hospitals was 64.7 years as compared with a median age at death of 47.9 years in Veterans' Administration hospitals. The mental disorders of veterans differ in proportionate distribution from State, county, and city hospital patients, partly because the age range of the population from which their patients are drawn is younger.

In State, county, and city hospitals the death rate per 1,000 patients under treatment was 65.0 for all patients hospitalized. The death rate for patient deaths among psychotic patients was 66.3 per 1,000, and the range among the individual mental disorders with psychosis varied from 14.9 for psychopathic personality to 370.2 for psychosis due to new growth. The rate has been computed only for those age ranges in which the base, or number of patients under treatment, was greater than 50. The only psychotic mental disorder in which the rate per 1,000 patients under treatment did not increase with advancing age was psychosis with other infectious diseases. The rate per 1,000 patients under treatment for all patients without psychosis was 41.7, and varied from 9.5 for psychopathic personality to 74.1 for personality disorders due to epidemic encephalitis. Those patients grouped in the category "Other, undiagnosed, and unknown" with psychosis or "Other, unclassified, and unknown" without psychosis have been excluded from the comparison. The death rate per 1,000 patients under treatment for each of the mental disorders without psychosis did not regularly increase or decrease, as was, generally speaking, true of psychotic conditions, but showed considerable variation.

The distribution of patient deaths in State, county, and city hospitals is presented by mental disorder, sex, and selected primary cause of death in table 39. This table parallels a table for veterans' hospitals presented in the section dealing with those hospitals (table 87).

In table 40 the age distribution by selected primary cause of death, race, and sex is presented for State, county, and city hospitals. This table is comparable with table 89 in the veterans' hospital section of the report.

MENTAL DISEASE

TABLE 32.—DEATHS OF PATIENTS IN STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL DEATHS			STATE		VETERANS' ADMINISTRATION		COUNTY AND CITY	
	Total	Male	Female	Male	Female	Male	Female	Male	Female
Total	35,215	20,604	14,611	17,933	13,518	1,166	4	1,505	1,089
With psychosis	33,852	19,649	14,203	17,235	13,154	976	2	1,438	1,047
General paresis	3,642	2,850	792	2,583	746	125	—	142	46
With other forms of syphilis of the C.N.S.	796	652	146	358	137	271	—	23	9
With epidemic encephalitis	132	91	41	65	35	18	—	6	6
With other infectious diseases	137	73	64	68	63	5	—	2	1
Alcoholic	654	547	107	459	100	21	—	67	7
Due to drugs and other exogenous poisons	49	25	24	21	22	1	—	3	2
Traumatic	117	96	19	84	17	5	1	11	1
With cerebral arteriosclerosis	8,219	4,962	3,257	4,558	3,048	121	1	283	208
With other disturbances of circulation	432	272	160	206	140	38	—	28	20
With convulsive disorders	878	506	370	452	346	24	—	32	24
Senile	6,301	3,338	2,963	2,923	2,658	36	—	379	305
Involuntal psychoses	744	259	485	232	459	6	—	21	26
Due to other metabolic, etc., diseases	553	262	271	225	257	24	—	13	14
Due to new growth	104	56	48	47	46	7	—	2	2
With organic changes of the nervous system	525	313	212	254	190	44	—	15	22
Psychoneuroses	128	57	71	49	68	5	—	5	3
Manic-depressive	2,541	1,127	1,414	1,022	1,322	30	—	75	92
Dementia praecox (schizophrenia)	5,718	2,960	2,758	2,594	2,610	162	—	204	148
Paranoia and paranoid conditions	508	233	275	212	263	2	—	19	12
With psychopathic personality	76	48	28	44	28	—	—	4	—
With mental deficiency	851	464	367	408	327	8	—	48	40
Other, undiagnosed, and unknown	785	454	331	371	272	29	—	54	59
Without psychosis	1,363	955	408	698	564	190	2	67	42
Epilepsy	110	75	35	64	33	4	—	7	2
Mental deficiency	369	231	138	213	124	—	—	18	14
Alcoholism	82	68	14	62	12	2	—	4	2
Drug addiction	19	17	2	14	2	1	—	2	—
Personality disorders due to epidemic encephalitis	14	7	7	6	6	—	—	1	1
Psychopathic personality	18	11	7	11	6	—	—	—	1
Primary behavior disorders	—	—	—	—	—	—	—	—	—
Other, unclassified, and unknown	751	546	205	328	181	183	2	35	22

TABLE 33.—DEATHS OF PATIENTS IN STATE, VETERANS', AND COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY TYPE OF CONTROL OF HOSPITAL AND SEX, BY AGE: 1939

AGE (IN YEARS)	ALL DEATHS			STATE		VETERANS' ADMINISTRATION		COUNTY AND CITY	
	Total	Male	Female	Male	Female	Male	Female	Male	Female
All ages	35,215	20,604	14,611	17,933	13,518	1,166	4	1,505	1,089
Under 15	60	33	27	32	27	—	—	1	—
15 - 19	214	117	97	113	89	—	—	4	8
20 - 24	491	285	206	271	199	1	—	13	7
25 - 29	811	459	352	431	337	—	1	28	14
30 - 34	1,196	706	490	667	457	2	—	37	33
35 - 39	1,597	933	664	835	630	48	—	50	34
40 - 44	1,933	1,183	750	796	707	322	1	65	42
45 - 49	2,287	1,396	891	1,000	836	330	—	66	55
50 - 54	2,804	1,689	1,115	1,404	1,029	167	1	118	85
55 - 59	3,092	1,896	1,206	1,703	1,133	57	1	126	72
60 - 64	3,552	2,123	1,429	1,873	1,329	82	—	168	100
65 - 69	4,197	2,469	1,708	2,225	1,584	55	—	209	124
70 - 74	4,237	2,517	1,720	2,284	1,583	38	—	195	137
75 - 79	3,902	2,202	1,700	2,004	1,542	11	—	167	159
80 - 84	2,723	1,464	1,259	1,318	1,138	6	—	142	121
85 and over	1,640	836	805	743	719	16	—	76	86
Unknown	479	287	192	236	179	31	—	20	13













MENTAL DISEASE

TABLE 35.—DEATHS OF MALE PATIENTS IN STATE, VETERANS', COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of deaths is less than 100)

Table with columns for Mental Disorder, All ages, and Age (in years) from 15 to 54. Includes sub-sections for 'With psychosis' and 'Without psychosis'. Includes a continuation table for ages 55-84 and 'Median age (in years)'.

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PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 39.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY SELECTED PRIMARY CAUSE OF DEATH: 1939

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH	ALL DEATHS			MENTAL DISORDER AND SEX												
		Total	Male	Female	Total	General paresis		With other forms of syphilis of the C.N.S.		With epidemic encephalitis		With other infectious diseases		Alcoholic			
						M	F	M	F	M	F	M	F	M	F		
	All causes-----	54,045	19,458	14,607	52,874	18,672	14,202	2,725	792	581	146	73	41	70	64	526	107
1-44	I.—Infectious and parasitic diseases-----	6,970	4,491	2,479	6,798	4,565	2,425	2,525	679	279	108	34	21	40	52	62	8
15	Tuberculosis of the respiratory system, etc.-----	2,957	1,496	1,541	2,711	1,410	1,501	40	21	14	4	9	---	37	27	51	4
27	Dysentery-----	44	14	30	45	15	50	---	---	1	---	---	---	---	---	---	---
30	Syphilis-----	5,817	2,756	881	5,581	2,712	669	2,274	654	261	102	1	1	1	---	6	5
30b	General paralysis of the insane-----	2,955	2,256	679	2,928	2,250	676	2,118	612	76	31	1	---	---	---	5	1
30c	Other syphilis of the C.N.S.-----	287	209	78	277	204	73	42	14	141	50	---	---	---	---	---	---
30d, d-e	All others-----	395	271	124	378	258	120	114	28	44	21	---	---	---	---	---	---
35	Influenza-----	99	55	44	91	48	43	2	---	---	---	2	---	---	---	---	---
57	Acute infectious encephalitis (lethargic)-----	75	44	31	72	41	31	---	2	---	---	1	22	19	1	---	---
	All others-----	298	146	152	290	159	151	7	2	3	1	---	1	---	3	5	1
45-57	II.—Cancer and other tumors-----	1,391	652	739	1,522	590	752	22	17	8	5	1	---	---	---	45	10
46	Cancer of the digestive organs, peritoneum-----	567	507	260	544	290	254	12	4	4	2	---	---	---	---	25	5
	All others-----	824	525	469	778	300	478	10	13	4	1	1	---	---	22	7	---
58-71	III.—Rheumatism, diseases of nutrition, etc.-----	575	214	361	555	205	352	10	5	4	5	---	---	---	---	1	2
61	Diabetes mellitus-----	511	123	168	505	118	185	1	5	---	---	---	---	---	---	1	1
69	Pellagra (except alcoholism)-----	169	67	102	165	64	99	9	---	4	2	---	---	---	---	---	---
	All others-----	95	24	71	89	21	68	---	---	---	---	---	---	---	---	---	---
72-76	IV.—Diseases of the blood, etc.-----	114	58	56	105	55	52	3	---	---	---	---	---	---	---	1	---
73	Anemias (except splenic anemia)-----	92	46	46	88	44	44	---	---	---	---	---	---	---	---	1	---
	All others-----	22	12	10	17	9	8	3	---	---	---	---	---	---	---	---	---
77-79	V.—Chronic poisoning and intoxication-----	90	69	21	72	55	17	---	---	---	---	---	---	1	---	49	12
77	Alcoholism-----	87	68	19	70	55	15	---	---	---	---	---	---	1	---	49	12
	All others-----	5	1	2	2	---	2	---	---	---	---	---	---	---	---	---	---
80-89	VI.—Diseases of the nervous system, etc.-----	5,798	2,117	1,681	5,645	2,019	1,624	57	11	18	5	10	8	9	5	39	13

	2,271	1,296	975	2,215	1,255	960	40	9	15	4	2	2	29	10
83 Intracranial lesions of vascular origin	19	6	6	15	7	6	---	---	---	---	---	---	---	---
84 Mental deficiency	152	81	61	152	91	61	---	---	---	---	---	---	1	---
84b Schizophrenia (dementia praecox)	128	85	71	128	85	71	1	---	---	---	---	---	---	1
84c Manic-depressive psychosis	494	190	284	474	189	285	2	1	2	1	1	2	6	2
84d Other mental diseases	474	315	161	408	270	188	2	1	2	1	1	1	1	---
85 Epilepsy	272	161	111	255	152	108	12	---	---	1	10	5	5	2
All others	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90-103 VII.—Diseases of the circulatory system	12,929	7,248	5,681	12,707	7,088	5,619	93	84	39	15	10	5	7	181
92 Chronic affections of the valves, endocardium	587	301	286	572	291	281	12	2	8	1	1	1	1	10
93 Diseases of the myocardium	7,117	4,147	3,570	7,594	4,086	3,528	48	23	22	9	7	2	4	111
94 Diseases of the coronary arteries, angina pectoris	914	611	508	892	592	500	10	1	4	2	1	---	---	18
97 Arteriosclerosis	2,970	1,799	1,171	2,958	1,772	1,166	15	5	9	3	---	---	---	28
All others	741	390	351	711	367	344	6	3	1	1	1	1	2	14
104-114 VIII.—Diseases of the respiratory system	5,711	2,028	1,685	5,601	1,948	1,655	115	25	18	5	14	5	4	74
107 Bronchopneumonia (including capillary bronchitis)	2,296	1,235	1,083	2,280	1,195	1,045	55	14	7	2	9	3	2	6
108 Lobar pneumonia	1,028	567	461	993	544	449	45	8	6	3	2	2	2	42
111 Hemorrhagic infarction, thrombosis, edema, etc.	171	105	66	170	104	66	6	---	---	---	---	---	---	24
All others	216	121	95	208	115	93	7	1	---	---	---	---	---	6
115-129 IX.—Diseases of the digestive system	787	451	308	708	409	294	18	4	5	---	2	---	5	52
120 Diarrhea, enteritis, etc.	105	47	38	100	44	36	1	2	1	---	---	---	1	2
122 Hernia and intestinal obstruction	165	105	80	178	101	77	4	1	1	---	1	---	1	5
All others	447	279	168	426	264	161	13	1	1	---	1	---	2	25
130-139 X.—Diseases of the genito-urinary system	1,680	960	720	1,685	929	708	20	7	4	1	1	1	2	4
140-150 Chronic nephritis	1,417	814	608	1,890	790	590	5	4	2	1	1	1	2	8
All others	263	146	117	265	139	116	15	3	2	---	---	---	1	6
140-150 XI.—Diseases of pregnancy, childbirth, etc.	10	---	10	10	---	10	---	---	---	---	---	---	---	---
151-153 XII.—Diseases of the skin and cellular tissues	62	33	29	59	31	28	---	---	---	---	---	---	---	1
154-156 XIII.—Diseases of the bones, etc.	32	19	13	29	17	12	---	---	---	---	---	---	---	2
157 XIV.—Congenital malformations	14	6	6	9	4	5	---	---	---	---	---	---	---	1
158-161 XV.—Diseases peculiar to the first year of life	1	---	1	1	---	1	---	---	---	---	---	---	---	---
162 XVI.—Senility	460	297	165	450	289	161	2	1	1	1	---	---	---	1
163-198 XVII.—Violent or accidental deaths	1,026	573	453	996	533	443	64	11	9	5	---	1	2	14
199-200 Suicide	197	118	79	192	116	76	8	1	2	1	---	---	1	4
All others	829	455	374	804	437	367	48	10	7	4	---	---	2	10
XVIII.—Ill-defined and unknown causes	445	262	185	389	221	168	6	2	---	---	---	---	---	5

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TABLE 39.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY SELECTED PRIMARY CAUSE OF DEATH: 1939—Continued

Int. List No.	Due to drugs and other exogenous poisons		With psychosis—Continued						With cerebral arterio-sclerosis		With other disturbances of circulation		With convulsive disorders		Senile		Involuntional psychoses		Due to other metabolic, etc., diseases		Due to new growth									
			Traumatic		With other disturbances of circulation		With convulsive disorders																Senile		Involuntional psychoses		Due to other metabolic, etc., diseases		Due to new growth	
			M	F	M	F	M	F															M	F	M	F	M	F	M	F
	24	24	95	18	4,841	5,256	255	151	484	570	3,502	2,963	255	495	238	271	49	48												
	5	5	15	—	147	122	9	4	52	58	103	100	29	64	66	38	—	—												
1-44	5	5	12	—	69	61	2	3	41	48	60	61	25	47	48	35	—	—												
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
30b	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
50c	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
50a, d-e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
45-57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
58-71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
72-76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
77-79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
80-89	2	4	12	1	588	890	21	28	241	128	273	207	51	60	10	22	—	—												



PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 39.—DEATHS OF PATIENTS IN STATE, COUNTRY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY SELECTED PRIMARY CAUSE OF DEATH: 1939—Continued

Int. List No.	MENTAL DISORDER AND SEX—Continued																	
	With psychosis—Continued																	
	With organic changes of the nervous system		Psychoneuroses		Manic-depressive		Dementia praecox (schizophrenia)		Paranoia and paranoid conditions		With psychopathic personality		With mental deficiency		Other, undiagnosed, and unknown			
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	269	212	54	71	1,087	1,414	2,796	2,758	231	275	48	28	456	367	427	531		
	39	19	11	15	154	225	788	767	33	33	14	5	118	84	46	42		
1-44	All causes-----																	
	9	7	9	13	118	183	699	663	25	25	12	4	102	69	25	25		
15	1	1	1	1	5	4	3	8	1	1	1	1	1	1	1	2		
27	12	3	14	14	14	14	33	24	3	3	1	1	6	5	16	10		
30	4	1	3	4	2	4	9	4	2	2	1	1	1	2	10	6		
30a	1	1	1	1	3	1	3	1	1	1	1	1	2	1	3	1		
30b	7	2	9	9	9	9	21	19	1	1	1	1	3	3	3	3		
30c	1	1	1	1	4	6	13	14	3	1	1	1	2	4	2	2		
30a, d-g	13	6	1	1	1	16	40	57	2	4	1	1	1	5	3	3		
53	4	1	2	1	12	16	40	57	2	4	1	1	6	5	3	3		
57	11	6	6	7	48	92	137	240	15	33	2	3	12	26	16	14		
45-57	II.—Cancer and other tumors-----																	
	3	3	3	1	22	41	87	98	9	9	1	1	8	6	6	4		
46	8	6	3	6	26	51	50	142	4	24	1	3	4	20	10	10		
	4	1	1	1	12	36	26	68	5	7	1	1	3	8	8	11		
58-71	III.—Rheumatism, diseases of nutrition, etc.-----																	
	2	1	1	1	10	17	14	25	3	7	1	1	1	3	2	5		
61	1	1	1	1	2	12	6	21	1	1	1	1	1	2	2	5		
69	1	1	1	1	7	7	6	22	2	2	1	1	1	3	1	2		
	2	1	1	1	7	7	14	18	1	2	1	1	2	2	5	2		
72-76	IV.—Diseases of the blood, etc.-----																	
	2	1	1	1	6	6	12	11	1	2	1	1	2	2	5	2		
73	1	1	1	1	1	1	2	7	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
77-79	V.—Chronic poisoning and intoxication-----																	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
77	Alcoholism-----																	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
80-89	VI.—Diseases of the nervous system, etc.-----																	
	96	74	5	6	178	250	290	271	15	35	2	4	58	46	64	68		



MENTAL DISEASE

85	Intracranial lesions of vascular origin	26	14	1	6	56	71	158	151	11	51	2	2	87	28	25	50
84a	Mental deficiency	1					1										
84b	Schizophrenia (dementia praecox)			1		5	1	79	56		1			1		1	2
84c	Manic-depressive psychosis			2		49	64	1			1			1		2	2
84d	Other mental diseases	2	3	1		61	108	28	48	1			1	7	5	25	31
85	Epilepsy	5	5			1	6	15	8	2				7	7	4	
	All others	64	56	1		6	4	10	8	1	2			5	5	9	5
90-103	VII.—Diseases of the circulatory system	57	58	16	17	404	420	802	795	104	105	11	6	141	104	140	88
92	Chronic affections of the valves, endocardium	1	4	1	2	24	33	59	64	5	8		2	15	6	4	7
93	Diseases of the myocardium	85	98	11	12	286	255	451	499	62	55	6	5	88	64	94	45
94	Diseases of the coronary arteries, angina pectoris	8	5	1	2	61	40	128	65	17	11	3	1	17	7	20	9
97	Arteriosclerosis	15	6	3		59	61	104	98	15	19	1		12	18	21	15
	All others	2	4		1	24	31	62	59	5	12	1		11	9	11	9
104-114	VIII.—Diseases of the respiratory system	30	40	4	11	135	180	308	291	28	26	4	6	59	59	56	42
107	Bronchopneumonia (including capillary bronchitis)	19	26	2	5	73	94	141	147	15	15	2	5	24	27	32	27
108	Lobar pneumonia	7	10	2	4	46	65	124	106	11	8	2	1	20	10	15	10
109	Hemorrhagic infarction, thrombosis, edema, etc.	2	1		1	6	8	12	14	1	3			3	1	5	1
111	All others	2	3		1	10	15	32	27	1	2			9		4	4
115-129	IX.—Diseases of the digestive system	2	3	7	3	35	46	138	104	10	11	5	2	19	15	6	9
120	Diarrhea, enteritis, etc.	1	2			4	11	15	12	1				1	2	1	1
122	Hernia and intestinal obstruction	1		3		7	12	38	36	2	4	1		6	3	1	1
	All others		1	4	3	24	23	97	86	7	7	3	2	11	10	4	7
130-139	X.—Diseases of the genito-urinary system	10	4	2	4	47	77	129	120	16	14	5	1	24	19	31	21
131	Chronic nephritis	10	2	1	3	41	60	97	100	15	15	4	1	17	15	21	12
	All others		2	1	1	6	17	32	20	5	1	1		7	6	10	9
140-150	XI.—Diseases of pregnancy, childbirth, etc.						4		1								2
151-155	XII.—Diseases of the skin and cellular tissue					3	6	9	8					1		4	1
154-156	XIII.—Diseases of the bones, etc.		1			2	1	3	3					1		1	
157	XIV.—Congenital malformations		2						1					1	2	1	
158-161	XV.—Diseases peculiar to the first year of life																1
162	XVI.—Fertility				1	5	6	11	9	2	1	1		4	3	11	3
163-166	XVII.—Violent or accidental deaths	10	3	3	6	60	55	116	54	4	6	3	1	11	16	8	14
163-164	Suicide	3		3	2	25	24	38	6	2	3	2		1	5	2	8
	All others	7	3		4	35	29	78	48	2	3	1	1	10	11	6	6
199-200	XVIII.—Ill-defined and unknown causes	7	1			7	12	24	18		2			4	4	31	16

TABLE 39.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY SELECTED PRIMARY CAUSE OF DEATH: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH	MENTAL DISORDER AND SEX—Continued																						
		Without psychosis																						
		Total		Male		Female		Epilepsy		Mental deficiency		Alcoholism		Drug addiction		Personality disorders due to epidemic encephalitis		Psychopathic personality		Primary behavior disorders		Other, unclassified, and unknown		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	All causes	71	35	251	136	66	14	16	2	7	11	7	364	202										
1-44	I.—Infectious and parasitic diseases	128	54	4	4	65	26	7	2	5	2	1	49	19										
15	Tuberculosis of the respiratory system, etc.	86	40	5	4	51	22	5	1	2			25	12										
27	Dysentery	1																						
30	Syphilis	24	12			6	3	1	1				17	7										
30a	General paralysis of the insane	9											6	2										
30c	Other syphilis of the C.N.S.	10	5			1	1						4	3										
30a, d-e	All others	17	13	4		5	2	1					7	2										
33	Influenza	8	7	1		5							1											
37	Acute infectious encephalitis (lethargic)	3											1											
	All others	8	7	1		1	1	1		1			4											
45-57	II.—Cancer and other tumors	69	42	27		2	10	15	4	1	1		25	9										
46	Cancer of the digestive organs, peritoneum	25	17	6			6	4	3	1			7	1										
	All others	46	25	21		2	4	11	1				18	8										
58-71	III.—Rheumatism, diseases of nutrition, etc.	20	11	9		1		5	3				5	6										
61	Diabetes mellitus	8	5	3			3	1					2	2										
69	Fellagra (except alcoholism)	6	3	3			1	1					1	2										
	All others	6	3	3			1	1					2	2										
72-76	IV.—Diseases of the blood, etc.	9	5	4			1						5	2										
73	Anemias (except splenic anemia)	4	2	2									2	2										
	All others	5	3	2			1						3	1										
77-79	V.—Chronic poisoning and intoxication	18	14	4			3		10	4			1											
77	Alcoholism	17	13	4			5		10	4			5											
	All others	1	1										1											
80-89	VI.—Diseases of the nervous system, etc.	155	98	57		36	18	29	6	3			25	10										

85	Intracranial lesions of vascular origin-----	56	41	15	6	1	9	6	6	1	1	5	1	17	6
84a	Mental deficiency-----	6	4	2	---	---	4	2	---	---	---	---	---	---	---
84b	Schizophrenia (dementia praecox)-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
84c	Manic-depressive psychosis-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
84d	Other mental diseases-----	10	9	9	1	7	---	---	---	---	---	---	---	---	---
85	Epilepsy-----	66	45	23	29	15	13	6	---	---	---	---	---	1	2
	All others-----	17	9	8	1	1	2	4	---	---	---	---	---	5	2
90-103	VII.—Diseases of the circulatory system-----	222	160	62	13	5	53	30	22	2	5	1	---	67	21
92	Chronic affections of the valves, endocardium-----	15	10	5	1	---	4	4	1	---	---	---	---	4	---
93	Diseases of the myocardium-----	125	81	42	9	5	24	17	18	2	2	1	---	28	16
94	Diseases of the coronary arteries, angina pectoris-----	22	19	3	2	---	9	3	3	---	---	---	---	5	---
97	Arteriosclerosis-----	52	27	5	---	---	8	2	---	---	---	---	---	18	3
	All others-----	30	23	7	1	---	8	4	---	---	---	---	---	12	2
104-114	VIII.—Diseases of the respiratory system-----	110	78	32	10	4	30	20	9	1	3	1	---	20	5
107	Bronchopneumonia (including capillary bronchitis)-----	66	49	18	6	2	19	11	6	1	1	---	---	14	3
108	Lobar pneumonia-----	35	23	12	2	1	10	8	3	---	---	---	---	5	2
111	Hemorrhagic infarction, thrombosis, edema, etc.-----	1	1	---	---	---	---	---	---	---	---	---	---	1	---
	All others-----	8	6	2	2	1	1	1	---	---	---	---	---	2	---
115-129	IX.—Diseases of the digestive system-----	34	22	12	1	---	9	5	4	---	---	---	---	6	4
120	Diarrhea, enteritis, etc.-----	5	3	2	---	---	3	1	---	---	---	---	---	---	1
122	Hernia and intestinal obstruction-----	7	4	3	---	---	1	1	1	---	---	---	---	1	1
	All others-----	22	15	7	1	---	5	3	3	---	---	---	---	5	2
130-139	X.—Diseases of the genito-urinary system-----	45	31	14	1	---	11	6	1	---	---	---	---	16	7
131	Chronic nephritis-----	37	24	13	---	---	8	6	1	---	---	---	---	15	7
	All others-----	8	7	1	1	---	3	---	---	---	---	---	---	5	---
140-150	XI.—Diseases of pregnancy, childbirth, etc.-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
151-153	XII.—Diseases of the skin and cellular tissue-----	3	2	1	1	---	1	1	---	---	---	---	---	---	---
154-156	XIII.—Diseases of the bones, etc.-----	3	2	1	---	---	1	1	1	---	---	---	---	---	---
157	XIV.—Congenital malformations-----	5	4	1	1	---	2	1	---	---	---	---	---	1	---
158-161	XV.—Diseases peculiar to the first year of life-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
162	XVI.—Senility-----	10	8	2	---	---	1	1	---	---	---	---	---	6	1
163-198	XVII.—Violent or accidental deaths-----	30	20	10	3	1	8	2	2	1	1	---	---	4	5
163-164	Suicide-----	5	2	3	---	---	1	1	---	---	---	---	---	---	---
	All others-----	25	18	7	3	1	7	1	2	---	---	---	---	4	5
199-200	XVIII.—Ill-defined and unknown causes-----	256	141	115	---	---	5	1	---	---	---	---	---	156	113

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TABLE 40.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)		
			Under 15	15-19	20-24
	All causes	54,045	60	214	490
	White	Male 16,670 Female 12,743	15 13	68 64	185 135
	All other	Male 2,768 Female 1,864	18 14	49 33	101 73
1-44	I.—Infectious and parasitic diseases	6,970	15	87	257
	White	Male 3,547 Female 1,846	3 2	22 22	89 61
	All other	Male 1,144 Female 651	5 5	28 15	50 37
15	Tuberculosis of the respiratory system, etc.	2,837	5	57	180
	White	Male 1,216 Female 1,055	1 —	13 8	66 47
	All other	Male 280 Female 306	1 3	26 10	38 29
27	Dysentery	44	—	—	3
	White	Male 10 Female 22	— —	— —	1 —
	All other	Male 4 Female 8	— —	— —	1 1
30	Syphilis	3,617	8	23	39
	White	Male 1,905 Female 592	1 2	9 10	17 8
	All other	Male 851 Female 289	3 2	1 3	9 5
30b	General paralysis of the insane	2,955	4	13	34
	White	Male 1,567 Female 465	— 1	6 5	14 7
	All other	Male 689 Female 214	2 1	1 1	9 4
30c	Other syphilis of the C.N.S.	287	3	2	1
	White	Male 133 Female 51	1 —	— 2	— —
	All other	Male 76 Female 27	1 1	— —	— —
30a,d-g	All others	395	1	8	4
	White	Male 205 Female 76	— 1	3 3	2 1
	All other	Male 66 Female 48	— —	— 2	— 1
35	Influenza	99	—	—	1
	White	Male 50 Female 41	— —	— —	— 1
	All other	Male 5 Female 3	— —	— —	— —
37	Acute infectious encephalitis (lethargic)	75	1	—	3
	White	Male 39 Female 30	— —	— —	1 2
	All other	Male 5 Female 1	1 —	— —	— —
	All others	298	1	7	11
	White	Male 127 Female 128	1 —	— 4	4 3
	All other	Male 19 Female 24	— —	1 2	2 2
45-57	II.—Cancer and other tumors	1,391	1	1	7
	White	Male 581 Female 700	— 1	— 1	2 4
	All other	Male 51 Female 59	— —	— —	1 —
46	Cancer of the digestive organs, peritoneum	567	—	—	2
	White	Male 279 Female 249	— —	— —	— 2
	All other	Male 28 Female 11	— —	— —	— —

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TABLE 40.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)		
			Under 15	15-19	20-24
	II.—Cancer and other tumors—Continued				
	All others-----	824	1	1	5
	White-----				
	Male-----	302			2
	Female-----	451	1	1	2
	All other-----				
	Male-----	23			1
	Female-----	48			
58-71	III.—Rheumatism, diseases of nutrition, etc.-----	575	1	3	11
	White-----				
	Male-----	158			2
	Female-----	269		2	2
	All other-----				
	Male-----	56	1		2
	Female-----	92		1	5
61	Diabetes mellitus-----	311		2	1
	White-----				
	Male-----	115			
	Female-----	170		2	
	All other-----				
	Male-----	8			
	Female-----	18			1
69	Pellagra (except alcoholism)-----	169	1	1	6
	White-----				
	Male-----	23			1
	Female-----	34			
	All other-----				
	Male-----	44	1		1
	Female-----	68		1	4
	All others-----	95			4
	White-----				
	Male-----	20			1
	Female-----	65			2
	All other-----				
	Male-----	4			1
	Female-----	6			
72-76	IV.—Diseases of the blood, etc.-----	114			1
	White-----				
	Male-----	50			
	Female-----	52			
	All other-----				
	Male-----	8			1
	Female-----	4			
75	Anemias (except splenic anemia)-----	92			1
	White-----				
	Male-----	41			
	Female-----	42			
	All other-----				
	Male-----	5			1
	Female-----	4			
	All others-----	22			
	White-----				
	Male-----	9			
	Female-----	10			
	All other-----				
	Male-----	3			
	Female-----				
77-79	V.—Chronic poisoning and intoxication-----	90			
	White-----				
	Male-----	63			
	Female-----	19			
	All other-----				
	Male-----	6			
	Female-----	2			
77	Alcoholism-----	87			
	White-----				
	Male-----	63			
	Female-----	17			
	All other-----				
	Male-----	5			
	Female-----	2			
	All others-----	3			
	White-----				
	Male-----				
	Female-----	2			
	All other-----				
	Male-----	1			
	Female-----				
80-89	VI.—Diseases of the nervous system, etc.-----	3,798	18	70	104
	White-----				
	Male-----	1,760	4	23	39
	Female-----	1,422	1	24	29
	All other-----				
	Male-----	357	8	12	22
	Female-----	259	5	11	14

MENTAL DISEASE

DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

AGE (IN YEARS)—Continued														Int. List No.
25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Un-known	
4	22	22	41	75	107	115	92	105	94	75	41	21	7	58-71
3	11	7	11	17	34	39	33	44	36	35	21	7	5	
3	8	12	25	50	64	66	51	52	48	36	17	14	1	
1	5	5	4	7	7	6	5	5	5	1	1	1	1	
21	17	41	27	42	53	60	67	99	57	37	25	9	5	
3	3	6	2	8	17	18	18	31	17	14	11	7	1	61
7	5	15	15	18	22	27	35	53	32	20	12	1	3	
5	3	4	2	8	4	8	6	9	4	1	1	1	1	
8	6	16	8	8	10	7	8	6	4	2	2	1	1	
3	2	4	5	10	24	37	45	67	46	33	24	7	1	69
2	2	2	2	2	9	13	16	22	16	13	11	6	1	
1	1	1	3	8	11	20	25	41	27	19	11	1	1	
1	1	1	1	1	1	2	1	1	2	1	1	1	1	
13	8	25	11	24	18	16	17	17	7	3	1	1	2	72-76
2	2	6	3	6	4	3	6	1	2	1	1	1	1	
3	3	3	1	7	4	6	5	8	2	1	1	1	1	
7	5	14	6	7	6	4	5	5	3	2	1	1	1	
5	7	12	11	8	11	7	5	15	4	1	1	2	2	75
4	1	2	1	2	4	2	1	4	1	1	1	1	1	
4	5	8	9	4	7	4	4	11	3	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	8	6	6	10	11	17	13	14	11	7	4	2	2	
2	4	1	1	4	5	11	5	7	5	3	1	2	1	77
2	2	5	5	5	5	5	7	6	4	4	4	1	1	
2	2	1	1	1	1	1	1	1	1	1	1	1	1	
2	5	6	6	8	7	13	11	12	9	7	3	2	2	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	80-89
2	2	1	1	2	4	4	2	2	2	1	1	1	1	
1	1	1	1	2	2	1	1	2	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	
152	184	197	198	247	329	413	388	436	432	355	159	91	25	
55	66	85	72	98	133	196	210	233	241	180	72	46	7	
41	68	61	87	104	133	162	124	159	152	154	79	34	10	
29	25	28	22	31	39	55	24	28	27	12	6	4	5	
27	25	25	17	14	24	20	50	16	12	9	2	7	5	

TABLE 40.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)		
			Under 15	15-19	20-24
VI.—Diseases of the nervous system, etc.—Continued					
83	Intracranial lesions of vascular origin	2,271	1	2	5
	White	Male 1,138		1	2
		Female 850		1	2
	All other	Male 158			
		Female 125	1		1
84a	Mental deficiency	19	6	5	1
	White	Male 5	1	1	
		Female 8		2	1
	All other	Male 6	5		
		Female			
84b	Schizophrenia (dementia praecox)	152		10	15
	White	Male 66		5	8
		Female 49		4	1
	All other	Male 25		2	4
		Female 12		1	
84c	Manic-depressive psychosis	126		2	4
	White	Male 44		1	2
		Female 59			2
	All other	Male 11			
		Female 12		1	
84d	Other mental diseases	484		15	24
	White	Male 158		1	4
		Female 228		7	9
	All other	Male 52		4	2
		Female 66		5	9
85	Epilepsy	474	9	50	48
	White	Male 251	5	12	20
		Female 128		7	10
	All other	Male 62	5	6	14
		Female 55	5	5	4
	All others	272	2	8	9
	White	Male 158		4	5
		Female 100	1	5	4
	All other	Male 25			2
		Female 11	1	1	
90-105	VII.—Diseases of the circulatory system	12,929	1	11	29
	White	Male 6,545	1	4	8
		Female 5,145		5	7
	All other	Male 705		1	8
		Female 558		1	6
92	Chronic affections of the valves, endocardium	587			5
	White	Male 248			
		Female 244			1
	All other	Male 55			2
		Female 42			
93	Diseases of the myocardium	7,717		10	18
	White	Male 5,758		4	7
		Female 5,259		4	5
	All other	Male 589		1	2
		Female 511		1	4
94	Diseases of the coronary arteries, angina pectoris	914			5
	White	Male 589			
		Female 280			
	All other	Male 42			2
		Female 25			1
97	Arteriosclerosis	2,970			
	White	Male 1,614			
		Female 1,040			
	All other	Male 185			
		Female 131			
	All others	741	1	1	5
	White	Male 554	1		1
		Female 320		1	1
	All other	Male 56			2
		Female 51			1



MENTAL DISEASE

DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

AGE (IN YEARS)—Continued														Int. List No.
25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Un-known	
6	21	32	55	98	177	297	292	364	377	313	145	76	10	83
2	8	17	24	41	72	139	180	198	212	158	65	39	3	
1	7	8	18	33	68	115	98	133	153	136	75	28	5	
3	4	3	5	15	21	28	18	18	24	11	5	2	2	
	3	8	8	9	16	16	26	15	8	8	2	7		
	1	1		1	1	1	1	1	1			1		84a
	1	1		1				1	1					
					1									
21	21	24	17	9	10	10	5	2	4	2		2	2	84b
10	11	9	5	6	4	5		2	1	1		1		
6	5	9	9	3	4	3	3		2	1				
3	4	3	1		1	2	1		1			1	2	
2	1	4	2				1							
11	14	23	13	21	15	7	6	2	5	2			1	84c
3	3	8	4	7	8	3	2	1	2					
3	7	11	7	11	6	4	3		3	1			1	
1	1	3	1	3				1		1				
4	3	1	1		1		1							
43	41	40	39	48	63	47	36	23	23	20	8	7	7	84d
8	4	6	6	15	22	15	21	8	10	9	3	4	2	
16	16	16	23	26	29	27	14	13	8	10	5	3	2	
6	6	8	6	5	7	2	1	2	2				1	
11	13	10	4	2	5	3			3	1			2	
57	63	47	49	37	34	28	21	25	10	10	2	1	3	85
28	31	30	21	17	11	18	11	11	8	6	2		2	
5	19	8	18	14	14	7	8	10	2	4		1	1	
17	7	6	8	5	8	2	2	4						
7	6	3	2	1	1	1								
14	23	50	25	33	29	23	27	19	12	8	4	4	2	
6	9	15	12	12	16	16	15	13	8	6	2	1	1	
7	11	9	12	16	12	6	8	2	3	2	1	2	1	
1	3	4	1	3	1	1	2	3		1	1	1		
		2		2			2	1	1				1	
52	77	141	197	378	637	928	1,422	1,970	2,236	2,161	1,640	976	71	90-103
15	28	46	64	138	280	491	734	1,032	1,200	1,150	639	477	36	
20	29	61	85	173	248	325	530	731	858	865	719	441	26	
8	13	15	25	36	59	71	84	109	112	86	36	35	7	
9	7	19	23	31	50	41	74	98	66	40	46	25	2	
12	7	13	21	41	47	54	72	76	70	80	56	31	4	92
2	1	3	7	18	16	25	28	31	35	40	26	17	1	
6	2	10	7	20	19	22	30	29	25	35	25	11	2	
1	2		4	2	7	5	8	8	5	3	4	1	1	
3	2		3	3	5	2	6	8	5	2	1	2		
25	58	75	123	228	355	533	838	1,157	1,335	1,310	1,037	607	26	93
7	16	22	41	75	155	267	420	580	702	659	502	286	15	
9	12	34	64	114	146	198	326	463	529	575	485	294	11	
6	6	7	14	21	28	45	49	59	63	53	19	14	2	
3	4	12	14	18	26	23	43	55	41	23	31	13		
4	7	23	22	36	74	106	129	149	150	126	54	30	2	94
2	1	8	10	20	47	74	82	97	98	75	36	18	1	
1	2	5	9	11	22	26	41	43	48	46	15	10	1	
1	4	5	3	4	3	4	2	4	2	4	2	2		
		5		1	2	1	4	5	2	1	1			
	1	2	11	45	113	171	299	480	586	548	420	268	26	97
	1		2	14	40	99	162	265	321	329	235	133	15	
		1	2	14	39	47	99	153	210	188	106	111	9	
			2	9	21	14	18	35	38	20	10	15	2	
			5	8	13	11	20	25	17	11	10	9	2	
11	24	28	20	28	48	65	84	108	95	97	73	42	11	
4	9	13	4	13	22	26	42	59	44	47	40	23	6	
4	13	11	13	14	22	32	34	41	46	41	29	15	3	
	1	2	2			3	7	3	4	6	1	3	2	
3	1	2	1	1	4	4	1	5	1	3	3	1		

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## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 40.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)		
			Under 15	15-19	20-24
104-114	VIII.—Diseases of the respiratory system	5,711	9	25	45
	White				
	Male	1,852	4	10	18
	Female	1,575	2	7	14
	All other				
	Male	174	1	4	10
	Female	110	2	2	5
107	Bronchopneumonia (including capillary bronchitis)	2,296	6	14	15
	White				
	Male	1,161	3	7	6
	Female	1,010	2	5	6
	All other				
	Male	72	—	2	5
	Female	53	1	—	—
108	Lobar pneumonia	1,028	5	5	21
	White				
	Male	483	1	2	8
	Female	421	—	2	5
	All other				
	Male	84	1	—	6
	Female	40	1	1	2
111	Hemorrhagic infarction, thrombosis, edema, etc.	171	—	—	5
	White				
	Male	99	—	—	2
	Female	58	—	—	1
	All other				
	Male	6	—	—	—
	Female	8	—	—	—
	All others	216	—	4	6
	White				
	Male	109	—	1	2
	Female	86	—	—	2
	All other				
	Male	12	—	2	1
	Female	9	—	1	1
115-129	IX.—Diseases of the digestive system	757	1	5	12
	White				
	Male	563	—	1	5
	Female	281	—	2	5
	All other				
	Male	48	1	1	—
	Female	25	—	1	2
120	Diarrhea, enteritis, etc.	105	—	1	2
	White				
	Male	43	—	1	1
	Female	52	—	—	1
	All other				
	Male	4	—	—	—
	Female	6	—	—	—
122	Hernia and intestinal obstruction	185	—	2	—
	White				
	Male	96	—	—	—
	Female	74	—	1	—
	All other				
	Male	9	—	—	—
	Female	6	—	1	—
	All others	447	1	2	10
	White				
	Male	244	—	—	4
	Female	155	—	1	4
	All other				
	Male	35	1	1	—
	Female	13	—	—	2
150-159	X.—Diseases of the genito-urinary system	1,680	2	5	11
	White				
	Male	867	—	1	4
	Female	626	—	—	5
	All other				
	Male	95	2	1	1
	Female	94	—	1	5
151	Chronic nephritis	1,417	2	2	5
	White				
	Male	754	—	1	1
	Female	523	—	—	1
	All other				
	Male	80	2	1	1
	Female	80	—	—	2
	All others	263	—	1	6
	White				
	Male	133	—	—	5
	Female	103	—	—	2
	All other				
	Male	15	—	—	—
	Female	14	—	1	1
140-150	XI.—Diseases of pregnancy, childbirth, etc.	10	1	—	—
	White				
	Male	—	—	—	—
	Female	8	1	—	—
	All other				
	Male	—	—	—	—
	Female	2	—	—	—

MENTAL DISEASE

DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

AGE (IN YEARS)—Continued														Int. List No.	
25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Unknown		
77	119	152	150	197	261	330	370	438	483	500	533	207	17	104-114	
45	58	66	61	75	133	169	182	225	277	264	182	78	7		
26	37	64	68	96	110	134	154	189	186	221	144	117	6		
5	17	15	16	14	13	16	24	15	8	8	4	7	1		
5	7	9	5	12	5	11	10	9	12	7	3	5	3		
31	58	73	73	111	145	198	233	261	310	359	244	152	15	107	
18	25	34	30	41	70	105	117	137	176	192	136	58	6		
9	22	31	38	57	65	79	100	112	123	162	106	89	4		
1	8	4	3	7	8	6	12	6	5	4	—	2	1		
5	3	4	2	6	2	8	4	6	6	1	2	3	2		
30	37	58	59	64	87	101	99	131	125	104	59	43	2	108	
14	19	22	26	24	49	47	42	61	71	51	29	—	—		
15	8	25	19	31	31	44	41	60	49	43	27	21	2		
2	8	8	11	4	8	8	10	8	2	4	3	4	—		
1	2	3	3	5	2	2	6	2	3	6	—	1	—		
4	7	6	7	5	9	12	15	28	30	20	19	5	1	111	
2	4	1	2	2	4	5	10	18	21	14	12	1	1		
1	2	3	4	3	5	4	4	9	7	6	6	3	—		
1	1	1	1	—	—	2	1	—	—	—	—	—	—		
1	—	—	—	—	—	1	—	1	2	—	1	1	—		
12	17	15	11	17	20	19	23	18	18	17	11	7	1		
9	10	9	3	8	10	12	13	9	9	7	5	2	—		
3	5	5	7	5	9	7	9	8	7	10	5	4	—		
—	—	—	1	5	—	—	1	1	1	—	1	1	—		
23	29	38	56	78	89	79	86	79	65	45	32	17	3	115-129	
10	9	15	29	40	48	45	42	44	43	22	20	9	1		
5	14	16	21	31	33	26	36	31	20	22	10	8	2		
5	4	5	3	6	6	5	7	3	1	1	1	—	—		
5	2	3	3	1	3	3	1	1	1	—	—	—	—		
5	6	8	10	8	9	7	8	10	6	11	11	3	—	120	
1	—	3	5	4	3	4	3	5	4	4	4	1	—		
2	5	2	4	4	5	3	5	5	2	7	5	2	—		
1	—	2	—	—	—	—	—	—	—	—	1	—	—		
1	1	1	1	—	1	—	—	—	—	—	1	—	—		
5	6	9	15	15	21	24	24	17	25	8	9	6	1	122	
1	3	3	7	5	11	14	14	11	17	4	4	3	—		
1	5	5	6	8	8	9	8	6	7	3	5	3	1		
1	—	1	1	2	—	2	—	—	1	1	—	—	—		
1	—	—	1	—	2	1	—	—	—	—	—	—	—		
15	17	21	31	55	59	48	54	52	34	26	12	8	2		
9	6	9	17	31	34	27	25	28	22	14	12	5	1		
3	6	8	11	19	20	14	23	20	11	12	—	3	1		
3	4	2	2	4	5	5	5	3	—	—	—	—	—		
1	1	2	1	1	—	2	1	1	1	—	—	—	—		
18	32	42	49	75	138	142	191	253	233	239	160	84	8		
8	9	13	22	28	63	68	99	140	133	134	95	47	3		
6	13	17	15	30	49	57	75	89	79	98	61	34	2		
1	2	4	6	7	13	8	8	14	13	6	4	1	2		
3	8	8	6	10	13	9	9	10	8	3	—	2	1		
7	18	24	38	57	106	120	165	228	208	212	143	77	7	131	
3	6	6	20	22	45	58	85	128	116	114	85	42	2		
3	3	11	11	20	37	46	63	78	71	89	55	33	2		
—	2	2	3	6	12	8	8	12	11	6	3	1	2		
1	7	5	4	9	12	8	9	10	8	3	—	1	1		
11	14	18	11	18	32	22	26	25	27	27	17	7	1		
5	3	7	2	6	18	10	14	12	17	20	10	5	1		
3	10	6	4	10	12	11	12	11	8	7	6	1	—		
1	—	2	3	1	1	—	—	2	2	—	1	—	—		
2	1	5	2	1	1	1	—	—	—	—	—	1	—		
2	3	2	2	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2	3	1	1	—	—	—	—	—	—	—	—	—	—	140-150	

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## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 40.—DEATHS OF PATIENTS IN STATE, COUNTY, AND CITY HOSPITALS FOR MENTAL

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)		
			Under 15	15-19	20-24
151-155	XII.—Diseases of the skin and cellular tissue	62	1	1	1
	White—Male	32	1	1	—
	Female	28	—	—	1
	All other—Male	1	—	—	—
	Female	1	—	—	—
154-156	XIII.—Diseases of the bones, etc.	32	—	—	2
	White—Male	18	—	—	1
	Female	12	—	—	1
	All other—Male	1	—	—	—
	Female	1	—	—	—
157	XIV.—Congenital malformations	14	3	1	1
	White—Male	7	1	1	—
	Female	6	2	—	—
	All other—Male	1	—	—	1
	Female	—	—	—	—
158-161	XV.—Diseases peculiar to the first year of life	1	1	—	—
	White—Male	—	—	—	—
	Female	1	1	—	—
	All other—Male	—	—	—	—
	Female	—	—	—	—
162	XVI.—Senility	460	—	—	—
	White—Male	242	—	—	—
	Female	139	—	—	—
	All other—Male	55	—	—	—
	Female	24	—	—	—
163-198	XVII.—Violent or accidental deaths	1,026	4	8	24
	White—Male	528	1	4	13
	Female	438	2	1	5
	All other—Male	45	—	2	4
	Female	15	1	1	2
163-164	Suicide	197	—	3	9
	White—Male	114	—	2	4
	Female	76	—	1	3
	All other—Male	4	—	—	1
	Female	3	—	—	1
	All others	829	4	5	15
	White—Male	414	1	2	9
	Female	362	2	—	2
	All other—Male	41	—	2	3
	Female	12	1	1	1
199-200	XVIII.—Ill-defined and unknown causes	445	2	1	5
	White—Male	259	—	1	2
	Female	176	1	—	1
	All other—Male	23	—	—	1
	Female	7	1	—	1



## STATE HOSPITALS

It was the practice in each of the annual enumerations of mental patients before this, to request more detailed data from State hospitals for mental disease than from hospitals under other types of control. Because the same kind of information has been collected for so many successive years, the data have undoubtedly attained a greater degree of accuracy than those from hospitals under other than State control. In 1939 there were 180 State hospitals, and response from them was complete.

**Movement of patient population.**—At the end of 1939 there were 453,357 patients on books of State hospitals, 234,113 male and 219,244 female. Of this total, 88.2 percent, or 400,017 patients, were in hospitals, and 11.8 percent, or 53,340 patients, were absent. The vast majority of those absent were on parole or other absence status (52,037). However, there were 1,303 patients in family care.

Family care has gradually come into more general use during the past decade but data reporting the practice were not collected until 1937. In most cases these patients are not yet ready for discharge; in some instances there may be no one in whose custody they can be placed. More personal contact is possible in a small family unit, and the socialization of an individual may be more readily brought about there than in hospital life. At the end of 1939 seven States made use of the practice of family care in their State hospitals. They were Massachusetts, Rhode Island, Connecticut, New York, Ohio, Michigan, and Montana. From the viewpoint of the clinician, this type of treatment is beneficial for the carefully selected patient. It is attractive also from a financial aspect. Although it costs slightly more to maintain a patient in family care than it does to maintain him in a hospital, the capital expenditure for providing new beds for the mentally ill who could not otherwise be accommodated far exceeds the cost of family care.

TABLE 41.—MOVEMENT OF PATIENT POPULATION IN STATE HOSPITALS FOR MENTAL DISEASE, BY SEX: 1939 AND 1938

MOVEMENT OF PATIENTS	1939			1938		
	Total	Male	Female	Total	Male	Female
Patients on books at beginning of year	440,547	228,241	212,306	424,028	221,277	202,751
In hospital	389,979	201,376	188,603	374,169	194,032	180,137
Absent	50,568	26,865	23,705	49,859	27,245	22,614
In family care	1,316	486	830	1,566	556	850
On parole or otherwise absent	49,252	26,379	22,875	48,493	26,709	21,784
Admissions during year	108,467	61,355	47,112	106,220	59,693	46,527
First admissions	81,655	47,085	34,570	79,408	45,678	33,750
Readmissions	22,189	11,915	10,274	21,085	11,320	9,765
Transfers from other hospitals for mental disease	4,623	2,355	2,268	5,727	2,695	3,032
Separations during year	95,657	55,483	40,174	95,156	55,301	39,855
Discharges	57,606	33,485	24,121	56,756	33,558	23,198
Discharged as recovered	16,010	8,442	7,568	15,142	7,913	7,229
Discharged as improved	25,340	13,620	11,720	25,514	14,029	11,485
Discharged as unimproved	4,656	2,701	1,955	4,734	2,822	1,912
Discharged, condition not reported	892	394	498	451	238	213
Discharged as without psychosis	10,708	8,328	2,380	10,915	8,556	2,359
Transfers to other hospitals for mental disease	5,837	3,633	2,204	6,662	3,754	2,928
Deaths in hospitals	31,451	17,933	13,518	30,977	17,582	13,395
Deaths of patients while on parole	763	432	331	741	407	334
Patients on books at end of year	453,357	234,113	219,244	435,092	225,669	209,423
In hospital	400,017	206,236	193,781	384,573	198,761	185,812
Absent	53,340	27,877	25,463	50,519	26,908	23,611
In family care	1,303	493	810	1,422	548	874
On parole or otherwise absent	52,037	27,384	24,653	49,097	26,360	22,737

MENTAL DISEASE

TABLE 42.—MOVEMENT OF PATIENT POPULATION IN STATE HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ON BOOKS AT BEGINNING OF YEAR				ADMISSIONS DURING YEAR	
	Total	In hospital	In family care	On parole or otherwise absent	Total	First admissions
United States.....	440,547	389,979	1,516	49,252	108,487	81,655
<b>NEW ENGLAND.....</b>	<b>41,605</b>	<b>37,907</b>	<b>565</b>	<b>3,535</b>	<b>9,518</b>	<b>8,556</b>
Maine.....	2,852	2,681	—	171	681	459
New Hampshire.....	2,559	2,156	—	225	616	455
Vermont.....	1,091	1,075	—	18	554	221
Massachusetts.....	24,905	22,548	521	2,254	5,605	5,724
Rhode Island.....	2,884	2,620	59	225	646	526
Connecticut.....	7,514	7,049	5	462	1,756	1,155
<b>MIDDLE ATLANTIC.....</b>	<b>111,456</b>	<b>100,994</b>	<b>542</b>	<b>9,900</b>	<b>24,466</b>	<b>18,510</b>
New York.....	75,695	68,886	542	6,267	17,558	15,099
New Jersey.....	11,497	10,414	—	1,085	2,785	2,076
Pennsylvania.....	24,244	21,694	—	2,550	4,125	5,155
<b>EAST NORTH CENTRAL.....</b>	<b>81,159</b>	<b>75,112</b>	<b>584</b>	<b>7,665</b>	<b>22,818</b>	<b>16,866</b>
Ohio.....	22,596	18,589	517	5,490	4,465	5,511
Indiana.....	8,787	8,156	—	651	2,296	1,701
Illinois.....	50,555	29,585	—	1,152	10,695	7,288
Michigan.....	16,824	15,055	67	1,824	5,125	2,496
Wisconsin.....	2,517	1,971	—	546	2,251	1,569
<b>WEST NORTH CENTRAL.....</b>	<b>42,195</b>	<b>56,682</b>	<b>—</b>	<b>5,513</b>	<b>9,555</b>	<b>7,214</b>
Minnesota.....	11,462	9,660	—	1,802	2,635	1,770
Iowa.....	7,919	6,598	—	1,321	1,557	1,189
Missouri.....	9,228	8,408	—	820	2,462	1,967
North Dakota.....	2,098	1,868	—	230	458	376
South Dakota.....	1,621	1,602	—	19	378	264
Nebraska.....	4,559	3,892	—	447	712	650
Kansas.....	5,528	4,654	—	874	1,155	978
<b>SOUTH ATLANTIC.....</b>	<b>58,447</b>	<b>48,525</b>	<b>—</b>	<b>10,124</b>	<b>18,325</b>	<b>10,465</b>
Delaware.....	1,549	1,145	—	206	305	278
Maryland.....	7,117	6,400	—	717	1,650	1,028
District of Columbia.....	6,090	5,695	—	395	1,126	915
Virginia.....	15,568	8,942	—	4,426	5,202	2,587
West Virginia.....	4,229	3,849	—	380	1,155	905
North Carolina.....	8,044	6,692	—	1,552	1,948	1,655
South Carolina.....	5,156	4,572	—	764	1,602	1,294
Georgia.....	8,152	6,955	—	1,219	1,465	1,110
Florida.....	4,962	4,297	—	665	894	712
<b>EAST SOUTH CENTRAL.....</b>	<b>23,966</b>	<b>20,979</b>	<b>—</b>	<b>2,987</b>	<b>7,449</b>	<b>5,990</b>
Kentucky.....	6,859	6,142	—	697	1,862	1,468
Tennessee.....	5,401	5,371	—	50	1,449	1,145
Alabama.....	6,124	5,455	—	689	1,865	1,577
Mississippi.....	5,602	4,051	—	1,571	2,275	2,002
<b>WEST SOUTH CENTRAL.....</b>	<b>55,816</b>	<b>29,526</b>	<b>—</b>	<b>4,290</b>	<b>8,860</b>	<b>6,888</b>
Arkansas.....	5,582	4,155	—	1,227	1,709	1,575
Louisiana.....	7,150	5,914	—	1,256	1,586	1,590
Oklahoma.....	7,850	7,052	—	798	1,961	1,505
Texas.....	15,434	12,405	—	1,029	5,604	2,622
<b>MOUNTAIN.....</b>	<b>11,556</b>	<b>10,255</b>	<b>27</b>	<b>1,276</b>	<b>2,605</b>	<b>1,900</b>
Montana.....	1,974	1,897	27	50	487	325
Idaho.....	1,135	951	—	204	332	286
Wyoming.....	625	575	—	50	151	118
Colorado.....	4,187	3,755	—	454	682	525
New Mexico.....	1,047	855	—	194	257	215
Arizona.....	1,041	857	—	184	516	298
Utah.....	1,165	1,025	—	140	344	281
Nevada.....	564	544	—	20	74	68
<b>PACIFIC.....</b>	<b>58,589</b>	<b>52,225</b>	<b>—</b>	<b>4,166</b>	<b>10,075</b>	<b>7,989</b>
Washington.....	6,614	6,126	—	488	1,615	1,271
Oregon.....	4,994	4,213	—	781	1,268	1,040
California.....	24,781	21,684	—	2,897	7,194	5,678

TABLE 42.—MOVEMENT OF PATIENT POPULATION IN STATE HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	ADMISSIONS DURING YEAR—Continued		SEPARATIONS DURING YEAR			
	Read-missions	Trans-fers	Total	Discharges		
				Total	Direct from hospital	While on parole
United States	22,189	4,623	95,657	57,606	21,788	55,858
<b>NEW ENGLAND</b>	2,558	424	8,970	5,272	2,298	2,979
Maine	120	2	559	508	146	162
New Hampshire	183	—	553	532	1	331
Vermont	118	—	364	251	198	58
Massachusetts	1,584	297	5,424	3,180	1,462	1,698
Rhode Island	115	5	390	170	49	121
Connecticut	463	120	1,680	1,051	422	609
<b>MIDDLE ATLANTIC</b>	5,028	1,183	20,609	10,745	3,396	7,347
New York	3,671	788	14,584	7,400	2,445	4,967
New Jersey	608	99	2,506	1,460	659	801
Pennsylvania	744	246	5,519	1,885	294	1,589
<b>EAST NORTH CENTRAL</b>	5,229	1,224	20,717	12,651	5,087	7,564
Ohio	570	382	5,979	2,285	211	2,072
Indiana	281	304	1,922	906	280	626
Illinois	5,041	564	9,647	6,328	3,277	3,049
Michigan	578	61	2,727	1,645	159	1,486
Wisconsin	759	125	2,442	1,491	1,160	331
<b>WEST NORTH CENTRAL</b>	1,450	691	8,426	4,673	1,017	3,656
Minnesota	266	599	2,417	1,010	168	642
Iowa	319	49	1,711	948	107	641
Missouri	456	19	2,118	1,372	211	1,161
North Dakota	82	—	425	322	117	205
South Dakota	114	—	583	277	277	—
Nebraska	61	1	528	318	59	259
Kansas	152	25	849	426	78	348
<b>SOUTH ATLANTIC</b>	2,501	559	11,662	7,674	4,083	3,591
Delaware	32	—	227	104	1	105
Maryland	339	283	1,235	580	230	350
District of Columbia	213	—	632	537	307	230
Virginia	577	38	3,507	2,582	2,582	—
West Virginia	221	9	1,153	797	533	264
North Carolina	295	—	964	465	—	465
South Carolina	318	—	1,328	928	290	638
Georgia	353	—	1,444	1,051	45	966
Florida	153	29	972	650	95	553
<b>EAST SOUTH CENTRAL</b>	1,857	102	7,120	4,946	619	4,127
Kentucky	385	9	1,733	1,061	423	668
Tennessee	301	5	1,326	904	292	612
Alabama	405	61	1,763	1,243	82	1,161
Mississippi	266	7	2,278	1,718	22	1,696
<b>WEST SOUTH CENTRAL</b>	1,675	297	8,066	5,325	2,171	3,154
Arkansas	336	—	1,681	1,161	344	617
Louisiana	196	—	1,652	1,178	798	410
Oklahoma	452	6	2,040	1,245	239	1,006
Texas	691	291	2,695	1,741	620	921
<b>MOUNTAIN</b>	486	215	2,140	1,190	657	533
Montana	164	—	470	274	274	—
Idaho	39	7	257	126	62	64
Wyoming	12	1	101	48	5	43
Colorado	155	204	526	234	48	186
New Mexico	24	—	120	55	16	19
Arizona	25	3	316	210	85	125
Utah	63	—	287	228	148	80
Nevada	6	—	63	35	19	16
<b>PACIFIC</b>	1,908	178	7,947	5,132	2,245	2,687
Washington	326	16	1,313	732	298	434
Oregon	216	10	1,144	691	288	408
California	1,364	152	5,490	3,709	1,659	2,050



MENTAL DISEASE

TABLE 42.—MOVEMENT OF PATIENT POPULATION IN STATE HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	SEPARATIONS DURING YEAR—Continued			ON BOOKS AT END OF YEAR			
	Transfers	Deaths		Total	In hospital	In family care	On parole or otherwise absent
		In hospital	While on parole				
United States	5,857	81,451	765	455,857	400,017	1,306	52,087
<b>NEW ENGLAND</b>	416	5,209	75	42,151	58,251	419	5,501
Maine	4	245	4	2,874	2,718	—	156
New Hampshire	—	221	—	2,422	2,154	—	268
Vermont	—	118	—	1,061	1,045	—	16
Massachusetts	547	1,858	59	25,084	22,418	557	2,509
Rhode Island	2	214	4	5,140	2,792	60	288
Connecticut	65	580	6	7,570	7,104	2	464
<b>MIDDLE ATLANTIC</b>	1,470	8,156	240	115,295	104,522	457	10,534
New York	1,214	5,822	148	78,669	71,712	457	6,520
New Jersey	49	944	53	11,774	10,582	—	1,192
Pennsylvania	207	1,890	39	24,850	22,228	—	2,622
<b>EAST NORTH CENTRAL</b>	1,854	6,092	140	85,260	74,785	371	8,104
Ohio	578	1,274	44	22,890	18,812	556	5,712
Indiana	299	695	24	9,151	8,515	—	636
Illinois	574	2,899	48	51,581	50,501	—	1,290
Michigan	51	1,007	24	17,522	15,577	15	1,950
Wisconsin	752	219	—	2,326	1,780	—	546
<b>WEST NORTH CENTRAL</b>	959	2,662	152	45,124	57,211	—	5,915
Minnesota	590	778	49	11,680	9,910	—	1,770
Iowa	502	416	45	7,765	6,482	—	1,283
Missouri	22	719	—	9,577	8,476	—	1,101
North Dakota	10	95	—	2,181	1,900	—	281
South Dakota	—	106	—	1,616	1,604	—	12
Nebraska	5	202	5	4,523	4,005	—	520
Kansas	42	548	35	5,832	4,856	—	996
<b>SOUTH ATLANTIC</b>	526	3,627	35	60,108	49,719	—	10,589
Delaware	11	112	—	1,427	1,201	—	226
Maryland	92	558	25	7,552	6,524	—	1,028
District of Columbia	—	295	—	6,584	5,962	—	622
Virginia	176	749	—	15,065	9,040	—	4,025
West Virginia	17	555	4	4,209	3,686	—	523
North Carolina	9	490	—	9,028	6,798	—	2,230
South Carolina	—	400	—	5,410	4,472	—	938
Georgia	—	415	—	8,171	7,554	—	687
Florida	21	295	6	4,884	4,502	—	582
<b>EAST SOUTH CENTRAL</b>	119	2,041	14	24,295	21,227	—	5,068
Kentucky	22	656	14	6,948	6,251	—	697
Tennessee	6	416	—	5,524	5,478	—	46
Alabama	81	459	—	6,224	5,537	—	687
Mississippi	10	550	—	5,599	5,961	—	1,638
<b>WEST SOUTH CENTRAL</b>	478	2,244	19	54,610	50,656	—	5,972
Arkansas	14	506	—	5,410	4,325	—	1,087
Louisiana	—	474	—	7,084	6,198	—	886
Oklahoma	274	515	6	7,771	6,954	—	857
Texas	190	749	13	14,545	15,185	—	1,162
<b>MOUNTAIN</b>	64	865	21	11,999	10,455	76	1,470
Montana	14	182	—	1,991	1,894	76	21
Idaho	1	124	6	1,210	972	—	238
Wyoming	5	47	1	655	597	—	58
Colorado	14	276	2	4,545	5,858	—	485
New Mexico	2	79	4	1,164	840	—	324
Arizona	28	78	—	1,041	905	—	136
Utah	—	55	6	1,222	1,041	—	181
Nevada	—	26	2	575	548	—	27
<b>PACIFIC</b>	171	2,555	89	58,517	55,251	—	5,286
Washington	19	546	16	6,914	6,589	—	545
Oregon	18	412	23	5,118	4,254	—	864
California	154	1,597	50	26,485	22,608	—	3,877

Trend in hospitalization.—The hospitalization rate for State hospitals increased from 217.2 in 1926 to 304.3 in 1940, or more than 40 percent during the 15-year period. In 1926 the data included 163 of the total of 165 hospitals. By 1939 the number of hospitals had increased to 180, all of which reported.

The rate of hospitalization did not include patients in family care nor those on parole or otherwise absent. These groups contained 11.8 percent of total patients on books at the beginning of 1940. The frequency of use of the practice of parole has not altered considerably during this 15-year period but has shown a gradual increase from 9.6 to 11.5 percent of all patients on books.

TABLE 43.—PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, BY STATUS ON BOOKS AT THE BEGINNING OF THE YEAR: 1926-1940

YEAR	Total number on books	IN HOSPITAL		IN FAMILY CARE <sup>1</sup>		ON PAROLE OR OTHERWISE ABSENT	
		Number	Rate per 100,000 estimated population <sup>2</sup>	Number	Percent	Number	Percent
1940 <sup>3</sup>	453,357	400,017	304.3	1,303	0.3	52,037	11.5
1939	440,547	389,979	299.1	1,316	0.3	49,252	11.2
1938	424,028	374,169	289.3	1,366	0.3	48,493	11.4
1937	411,814	364,563	283.8	603	0.1	46,648	11.3
1936	398,006	353,604	276.9	-----	-----	44,402	11.2
1935	384,675	342,167	269.7	-----	-----	42,508	11.1
1934	373,607	332,094	263.5	-----	-----	41,513	11.1
1933	359,105	321,824	257.0	-----	-----	37,281	10.4
1932	340,037	305,031	245.1	-----	-----	35,006	10.3
1931	324,214	292,284	236.4	-----	-----	31,930	9.8
1930	312,087	280,251	228.8	-----	-----	31,836	10.2
1929	302,538	272,252	225.6	-----	-----	30,286	10.0
1928	294,062	264,511	222.2	-----	-----	29,551	10.0
1927	284,650	256,858	218.9	-----	-----	27,792	9.8
1926	272,716	246,486	217.2	-----	-----	26,230	9.6

<sup>1</sup> Prior to 1937, patients "In family care" were included with patients "On parole or otherwise absent."

<sup>2</sup> Population as of January 1 of corresponding year.

<sup>3</sup> Number of patients reported for the end of the year 1939.

Rates of hospitalization.—The hospitalization rate for the United States at the beginning of 1939 was 299.1 per 100,000 of the estimated population. By State, the highest rate was in Massachusetts, 516.7, and the lowest in New Mexico, 164.7. Wisconsin and the District of Columbia have been excluded in this consideration because, in Wisconsin, the State hospitals cared for only one-fifth of the total patient population in public hospitals. The situation in the District of Columbia, as has been explained in the preceding section, is unique.

In the country as a whole, the proportion of patients on parole or otherwise absent was 11.5 percent of the total patients on the books of State hospitals. The proportions ranged from 0.6 percent in Tennessee to 33.1 percent in Virginia. (See discussion in the preceding section.)

MENTAL DISEASE

TABLE 44.—PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE AT THE BEGINNING OF THE YEAR, BY STATUS ON BOOKS, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total on books	PATIENTS IN HOSPITAL		PATIENTS ABSENT <sup>1</sup>	
		Number	Rate per 100,000 estimated population <sup>2</sup>	Number	Percent of total on books
United States-----	440,547	389,979	299.1	50,568	11.5
NEW ENGLAND-----	41,603	37,907	450.6	3,696	8.9
Maine-----	2,852	2,681	318.8	171	6.0
New Hampshire-----	2,359	2,156	457.7	223	9.5
Vermont-----	1,091	1,073	298.9	18	1.6
Massachusetts-----	24,903	22,348	516.7	2,555	10.3
Rhode Island-----	2,884	2,620	372.2	264	9.2
Connecticut-----	7,514	7,049	415.9	465	6.2
MIDDLE ATLANTIC-----	111,436	100,994	369.1	10,442	9.4
New York-----	75,695	68,886	515.6	6,809	9.0
New Jersey-----	11,497	10,414	251.4	1,083	9.4
Pennsylvania-----	24,244	21,694	220.0	2,550	10.5
EAST NORTH CENTRAL-----	81,159	73,112	277.3	8,047	9.9
Ohio-----	22,396	18,589	270.6	3,807	17.0
Indiana-----	8,787	8,136	239.2	651	7.4
Illinois-----	30,555	29,383	373.9	1,152	3.8
Michigan-----	16,924	15,033	293.7	1,891	11.2
Wisconsin-----	2,517	1,971	63.4	546	21.7
WEST NORTH CENTRAL-----	42,195	36,682	272.1	5,513	13.1
Minnesota-----	11,462	9,660	349.6	1,802	15.7
Iowa-----	7,919	6,598	261.0	1,321	16.7
Missouri-----	9,228	8,408	223.4	820	8.9
North Dakota-----	2,098	1,868	289.2	230	11.0
South Dakota-----	1,621	1,602	246.1	19	1.2
Nebraska-----	4,339	3,892	294.4	447	10.3
Kansas-----	5,528	4,654	257.6	874	15.8
SOUTH ATLANTIC-----	58,447	48,323	275.4	10,124	17.3
Delaware-----	1,349	1,143	434.6	206	15.3
Maryland-----	7,117	6,400	356.1	717	10.1
District of Columbia-----	6,090	5,695	888.5	395	6.5
Virginia-----	13,368	8,942	338.1	4,426	33.1
West Virginia-----	4,229	3,849	204.7	380	9.0
North Carolina-----	8,044	6,692	190.1	1,352	16.8
South Carolina-----	5,136	4,372	232.7	764	14.9
Georgia-----	8,152	6,933	224.0	1,219	15.0
Florida-----	4,962	4,297	235.2	665	13.4
EAST SOUTH CENTRAL-----	23,966	20,979	196.8	2,987	12.5
Kentucky-----	6,839	6,142	216.1	697	10.2
Tennessee-----	5,401	5,371	186.7	30	0.6
Alabama-----	6,124	5,435	193.6	689	11.3
Mississippi-----	5,602	4,031	186.5	1,571	28.0
WEST SOUTH CENTRAL-----	33,816	29,526	228.1	4,290	12.7
Arkansas-----	5,382	4,155	214.6	1,227	22.8
Louisiana-----	7,150	5,914	253.8	1,236	17.3
Oklahoma-----	7,850	7,052	301.1	798	10.2
Texas-----	13,434	12,405	195.7	1,029	7.7
MOUNTAIN-----	11,536	10,233	250.0	1,303	11.3
Montana-----	1,974	1,897	341.2	77	3.9
Idaho-----	1,135	931	180.8	204	18.0
Wyoming-----	623	573	231.0	50	8.0
Colorado-----	4,187	3,753	337.5	434	10.4
New Mexico-----	1,047	853	164.7	194	18.5
Arizona-----	1,041	857	174.5	184	17.7
Utah-----	1,165	1,025	188.1	140	12.0
Nevada-----	364	344	318.5	20	5.5
PACIFIC-----	36,389	32,223	<sup>3</sup> 334.6	4,166	11.4
Washington-----	6,614	6,126	357.4	488	7.4
Oregon-----	4,994	4,213	<sup>3</sup> 364.7	781	15.6
California-----	24,781	21,884	324.0	2,897	11.7

<sup>1</sup> Includes patients in family care and on parole or otherwise absent.

<sup>2</sup> Estimated population as of January 1, 1939.

<sup>3</sup> Exclusive of Morningside Hospital, a Federal institution. There were 303 patients in this hospital at the beginning of the year; including this hospital the rate for Oregon was 393.0.

**RESIDENT PATIENTS.**—1939 was the first year in which Nation-wide statistics were presented reporting the age distribution and clinical diagnosis, by sex, of patients resident in hospitals at the end of the year. These data were secured from each of the State hospitals, by sex, with the exception of the Mississippi hospitals where combined data for males and females were reported. Although each of the tables (45, 46, 47, 48, 49, 50, and 51) reporting these data presents a sex break-down, total figures for Mississippi have been shown in each case as a footnote to the table, and have in no case been added in any totals for the United States and the East South Central division.

It should again be noted that data included in the resident patient section are for the year ending December 31, 1939, and will not necessarily agree with data reported in the preceding section, since movement of patient population is generally reported for the fiscal year of each hospital rather than for the calendar year.

In computing median ages, patients of unknown age have been excluded, and no median age has been computed for patients in the categories "Other, undiagnosed, and unknown" with psychosis, or "Other, unclassified, and unknown" without psychosis. The greatest differences in age between males and females occurred among patients diagnosed as with psychosis with other forms of syphilis of the central nervous system (male 48.6 years, female 44.2 years), psychosis due to "other metabolic, etc., diseases" (male 51.5 years, female 47.2 years), involutional psychoses (male 58.4 years, female 54.5 years), and dementia praecox (schizophrenia) (male 42.4 years, female 46.2 years). In no case has the median age been computed where there were fewer than 100 patients reported with any diagnosis.

TABLE 45.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	204,806	617	5,524	6,750	14,176	17,705	20,504	18,118
With psychosis	196,048	508	2,739	3,081	13,379	16,767	19,544	17,282
General paresis	15,502	18	58	118	384	1,187	2,187	2,261
With other forms of syphilis of the C.N.S.	2,828	9	32	75	111	251	382	514
With epidemic encephalitis	775	14	42	89	110	144	126	79
With other infectious diseases	269	5	6	19	21	26	34	50
Alcoholic	7,715	—	2	45	165	395	689	709
Due to drugs and other exogenous poisons	201	1	1	4	12	15	25	56
Traumatic	1,225	6	15	57	64	87	95	117
With cerebral arteriosclerosis	11,049	—	1	2	8	10	13	46
With other disturbances of circulation	259	—	—	8	5	6	17	20
With convulsive disorders	5,570	55	249	450	592	648	655	504
Senile	6,205	—	2	2	1	5	4	2
Involutional psychoses	2,254	—	—	5	7	9	11	62
Due to other metabolic, etc., diseases	711	2	9	21	56	54	72	55
Due to new growth	65	1	5	1	5	14	8	7
With organic changes of the nervous system	1,699	14	41	75	151	160	159	172
Psychoneuroses	1,557	4	17	75	116	150	176	161
Manic-depressive	14,048	5	125	598	662	875	1,211	1,225
Dementia praecox (schizophrenia)	86,568	65	1,471	5,341	9,260	10,794	11,414	9,511
Paranoia and paranoid conditions	4,562	1	5	35	95	157	262	362
With psychopathic personality	2,178	9	87	175	242	294	275	250
With mental deficiency	11,642	97	520	977	1,198	1,507	1,516	1,166
Other, undiagnosed, and unknown	17,790	8	57	151	158	227	255	195
Without psychosis	8,258	309	585	669	797	958	960	851
Epilepsy	855	17	75	98	112	90	81	85
Mental deficiency	4,069	141	374	415	425	462	445	392
Alcoholism	1,498	—	—	54	107	189	210	250
Drug addiction	87	—	1	—	5	10	21	15
Personality disorders due to epidemic encephalitis	81	2	7	6	11	14	11	10
Psychopathic personality	672	18	75	70	89	100	98	45
Primary behavior disorders	207	121	29	9	8	7	10	7
Other, unclassified, and unknown	611	10	26	59	40	66	86	49

Excluding data not reported by sex for Mississippi State hospitals, see footnote to table 47.

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TABLE 45.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939—Continued

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total <sup>1</sup>	19,008	20,287	18,724	14,620	11,556	16,058	21,284	47.2
With psychosis	18,221	19,589	18,089	14,225	11,071	15,770	21,185	47.6
General paresis	2,491	2,581	1,849	1,057	610	542	579	47.5
With other forms of syphilis of the C.N.S.	558	428	560	256	158	117	57	48.6
With epidemic encephalitis	65	47	28	21	5	7	2	54.6
With other infectious diseases	25	53	50	19	16	7	—	44.3
Alcoholic	955	1,108	1,254	958	714	659	106	55.9
Due to drugs and other exogenous poisons	27	29	18	15	5	11	8	47.8
Traumatic	159	181	165	120	85	64	56	50.5
With cerebral arteriosclerosis	152	571	1,128	1,947	2,454	4,494	225	68.1
With other disturbances of circulation	55	58	44	55	25	51	1	55.5
With convulsive disorders	506	511	449	506	177	140	552	59.9
Senile	18	92	221	530	958	4,267	105	70+
Involuntary psychoses	207	451	552	425	298	213	16	58.4
Due to other metabolic, etc., diseases	67	108	112	78	45	56	16	51.5
Due to new growth	6	5	5	7	5	—	—	—
With organic changes of the nervous system	177	222	195	150	64	52	109	46.5
Psychoneuroses	159	165	151	94	49	40	22	44.6
Manic-depressive	1,420	1,742	1,822	1,529	1,124	1,117	797	52.0
Dementia praecox (schizophrenia)	9,226	9,221	7,751	5,271	5,276	5,117	2,672	42.4
Paranoia and paranoid conditions	556	756	692	595	466	555	69	55.5
With psychopathic personality	256	199	144	101	74	51	41	59.6
With mental deficiency	1,168	1,050	864	591	545	516	707	40.2
Other, undiagnosed, and unknown	252	295	261	202	150	156	15,485	—
Without psychosis	787	698	655	597	285	288	99	59.1
Epilepsy	88	59	60	27	19	16	11	56.5
Mental deficiency	565	555	296	168	122	75	58	57.1
Alcoholism	206	171	148	95	60	45	5	44.5
Drug addiction	6	5	11	6	2	5	—	—
Personality disorders due to epidemic encephalitis	4	7	5	1	1	5	1	—
Psychopathic personality	45	55	40	24	15	15	5	54.2
Primary behavior disorders	2	4	4	2	2	1	1	-15
Other, unclassified, and unknown	75	85	75	74	64	108	20	—

<sup>1</sup> Excluding data not reported by sex for Mississippi State hospitals, see footnote to table 47.

TABLE 46.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	191,799	467	2,559	5,066	10,117	15,812	17,100	18,919
With psychosis	186,859	256	2,026	5,667	9,644	13,286	16,485	18,570
General paresis	5,882	9	56	102	228	499	768	868
With other forms of syphilis of the C.N.S.	1,557	4	15	61	115	159	210	244
With epidemic encephalitis	415	11	32	36	59	78	69	54
With other infectious diseases	301	1	9	18	20	40	30	35
Alcoholic	1,424	—	2	8	51	69	155	145
Due to drugs and other exogenous poisons	198	—	—	10	7	16	21	30
Traumatic	200	2	6	6	16	12	20	17
With cerebral arteriosclerosis	9,008	—	1	1	—	8	22	58
With other disturbances of circulation	257	1	1	4	5	5	13	34
With convulsive disorders	4,681	45	175	509	475	557	605	517
Senile	7,725	—	—	—	—	2	2	18
Involuntary psychoses	6,578	—	1	8	20	19	115	545
Due to other metabolic, etc., diseases	1,282	4	19	34	74	94	154	171
Due to new growth	60	1	2	1	9	6	4	6
With organic changes of the nervous system	1,167	11	51	57	85	107	125	150
Psychoneuroses	1,958	5	27	82	150	199	289	250
Manic-depressive	22,969	9	188	505	1,048	1,632	2,200	2,688
Dementia praecox (schizophrenia)	86,651	48	1,016	5,414	6,213	8,286	9,875	10,542

<sup>1</sup> Excluding data not reported by sex for Mississippi State hospitals, see footnote to table 47.

TABLE 46.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939—Continued  
(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup> —Continued								
With psychosis—Continued								
Paranoia and paranoid conditions	5,708	—	24	8	46	141	247	455
With psychopathic personality	1,453	11	48	115	105	149	164	185
With mental deficiency	10,624	84	396	742	873	1,109	1,258	1,190
Other, undiagnosed, and unknown	17,351	12	29	86	87	169	203	194
Without psychosis	4,940	211	313	399	473	526	615	549
Epilepsy	718	36	49	77	92	80	85	68
Mental deficiency	2,853	106	198	263	279	315	348	325
Alcoholism	269	1	—	6	19	41	64	59
Drug addiction	137	—	—	2	14	22	20	20
Personality disorders due to epidemic encephalitis	30	—	2	4	6	6	4	2
Psychopathic personality	244	5	23	27	26	22	36	31
Primary behavior disorders	104	56	18	5	3	1	3	8
Other, unclassified, and unknown	465	7	23	15	34	39	55	56
		AGE (IN YEARS)—Continued						Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known
Total <sup>1</sup>	20,407	19,975	17,617	14,435	11,538	17,743	21,266	49.0
With psychosis	19,936	19,557	17,285	14,214	11,374	17,552	21,207	49.3
General paresis	815	732	556	322	159	106	162	45.5
With other forms of syphilis of the C.N.S.	211	197	153	101	44	44	23	44.2
With epidemic encephalitis	32	20	11	6	2	1	4	34.3
With other infectious diseases	40	43	22	18	19	7	1	44.8
Alcoholic	208	192	206	154	116	162	11	53.0
Due to drugs and other exogenous poisons	26	21	18	15	16	14	4	47.5
Traumatic	16	24	23	17	17	22	2	50.8
With cerebral arteriosclerosis	161	520	1,035	1,662	1,944	3,426	152	67.4
With other disturbances of circulation	43	30	42	21	20	17	1	52.0
With convulsive disorders	465	451	359	268	157	132	326	40.7
Senile	33	106	293	696	1,161	5,253	161	70+
Involitional psychoses	1,136	1,468	1,270	819	478	460	39	54.5
Due to other metabolic, etc., diseases	171	168	156	99	41	43	24	47.2
Due to new growth	9	5	7	2	5	3	—	—
With organic changes of the nervous system	156	133	108	86	54	38	66	45.5
Psychoneuroses	225	224	206	136	75	64	48	44.7
Manic-depressive	2,862	2,848	2,568	2,049	1,451	1,661	1,290	49.6
Dementia praecox (schizophrenia)	10,954	10,066	8,209	6,206	4,468	4,744	2,627	46.2
Paranoia and paranoid conditions	729	617	693	767	621	615	45	56.5
With psychopathic personality	187	153	114	78	52	53	41	43.1
With mental deficiency	1,251	1,022	875	558	394	359	533	42.5
Other, undiagnosed, and unknown	211	197	161	132	85	118	15,647	—
Without psychosis	471	418	352	219	164	191	59	39.2
Epilepsy	63	66	45	27	18	9	3	36.4
Mental deficiency	292	251	213	125	94	102	42	39.2
Alcoholism	27	24	21	13	7	5	2	40.3
Drug addiction	21	20	4	1	6	3	4	42.1
Personality disorders due to epidemic encephalitis	4	—	—	—	1	—	1	—
Psychopathic personality	17	12	17	10	8	7	3	37.4
Primary behavior disorders	2	2	2	1	—	2	1	-15
Other, unclassified, and unknown	45	45	30	42	30	65	3	—

<sup>1</sup> Excluding data not reported by sex for Mississippi State hospitals, see footnote to table 47.

Of all male patients in residence at the end of the year (204,306), 96.0 percent were diagnosed as with psychosis, totaling 196,048. Of female patients the proportion with psychosis was slightly higher (97.4 percent), 186,859 patients of the total of 191,799. Almost half of all resident patients (43.3 percent of males, 45.2 percent of females) were diagnosed as with dementia praecox (schizophrenia). For males, general paresis (7.5 percent), manic-depressive psychosis (6.9 percent), and psychosis with mental deficiency (5.7 percent) were proportionately next, while for females manic-depressive psychosis (12.0 percent), mental deficiency (5.5 percent), and cerebral arteriosclerosis (4.7 percent) claimed the next largest proportions.

The clinical diagnosis of resident patients, as well as the age distribution, has been given by sex for each State and geographic region. In addition to the presentation of age distribution for all patients in residence, tables have been presented for resident patients with psychosis.

MENTAL DISEASE

TABLE 47.—RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL RESIDENT PATIENTS			WITH PSYCHOSIS						
	Total	Male	Female	Total	Male	Female	General paresis		With other forms of syphilis of the C.W.S.	
							M	F	M	F
United States <sup>1</sup>	596,106	204,506	191,799	382,907	196,048	186,659	15,502	5,582	2,828	1,557
<b>NEW ENGLAND</b>	58,165	18,608	19,555	37,708	18,502	19,406	701	277	118	54
Maine	2,669	1,510	1,559	2,589	1,254	1,535	70	32	25	10
New Hampshire	2,154	1,029	1,125	1,972	920	1,052	52	41	19	1
Vermont	1,045	555	490	1,002	518	486	19	12	5	1
Massachusetts	22,418	10,865	11,555	22,281	10,774	11,507	479	164	57	37
Rhode Island	2,792	1,569	1,425	2,792	1,569	1,425				
Connecticut	7,065	3,490	3,605	7,072	3,469	3,603	81	28	14	5
<b>MIDDLE ATLANTIC</b>	104,257	52,555	51,682	103,053	51,847	51,206	5,804	1,268	827	361
New York	71,744	36,062	35,682	71,550	35,924	35,626	2,520	825	675	285
New Jersey	10,756	5,356	5,400	10,620	5,278	5,342	428	115	72	36
Pennsylvania	21,757	11,137	10,600	20,883	10,645	10,238	856	350	82	40
<b>EAST NORTH CENTRAL</b>	74,934	39,971	34,963	71,934	37,919	34,015	4,391	1,652	450	225
Ohio	18,812	9,890	8,922	18,470	9,644	8,828	1,506	554	97	58
Indiana	8,664	4,353	4,311	8,537	4,275	4,262	604	255	85	53
Illinois	30,501	16,092	14,209	28,763	15,089	13,674	1,540	520	119	55
Michigan	15,377	8,407	6,970	14,597	7,880	6,717	812	308	125	71
Wisconsin	1,780	1,229	551	1,567	1,051	536	129	55	24	8
<b>WEST NORTH CENTRAL</b>	57,246	19,624	17,622	55,910	18,801	17,109	1,280	422	204	99
Minnesota	9,945	5,394	4,551	9,569	5,164	4,405	519	104	16	14
Iowa	6,482	3,465	3,017	6,302	3,327	2,975	184	71	42	19
Missouri	8,478	4,256	4,220	8,082	4,047	4,035	461	146	88	36
North Dakota	1,900	1,069	811	1,853	1,057	796	15	6	19	7
South Dakota	1,604	876	728	1,585	862	721	45	5	4	5
Nebraska	4,005	2,100	1,905	3,752	1,942	1,810	147	52	14	7
Kansas	4,836	2,444	2,392	4,769	2,402	2,367	129	58	21	13
<b>SOUTH ATLANTIC</b>	49,732	25,524	24,208	47,314	24,179	23,135	1,589	578	411	404
Delaware	1,201	640	561	1,150	604	546	70	31	7	6
Maryland	6,544	3,291	3,253	6,089	2,977	3,012	237	77	51	18
District of Columbia	5,962	3,881	2,081	5,895	3,829	2,066	444	117	46	25
Virginia	9,040	4,536	4,504	9,040	4,536	4,504				
West Virginia	3,896	2,071	1,815	2,955	1,595	1,362	180	85	47	43
North Carolina	6,791	3,285	3,506	6,007	2,859	3,148	119	24	185	288
South Carolina	4,472	2,212	2,260	4,472	2,212	2,260				
Georgia	7,354	3,565	3,969	7,328	3,560	3,968	252	125	7	8
Florida	4,502	2,245	2,257	4,478	2,229	2,249	287	119	68	68
<b>EAST SOUTH CENTRAL<sup>1</sup></b>	17,296	8,707	8,579	16,803	8,312	8,291	454	176	145	104
Kentucky	6,251	3,184	3,067	5,873	2,980	2,893	287	105	46	27
Tennessee	5,498	2,785	2,713	5,322	2,671	2,651	192	62	56	20
Alabama	5,537	2,738	2,799	5,408	2,661	2,747	5	9	61	57
<b>WEST SOUTH CENTRAL</b>	50,822	15,564	15,258	28,685	14,275	14,410	1,226	419	306	187
Arkansas	4,525	2,126	2,197	3,425	1,615	1,812	140	64	59	37
Louisiana	6,194	3,046	3,148	5,802	2,808	2,994	154	57	41	21
Oklahoma	6,906	3,672	3,083	6,538	3,663	2,875	391	120	135	44
Texas	15,400	6,520	6,880	12,920	6,191	6,729	541	178	91	55
<b>MOUNTAIN</b>	10,454	5,667	4,587	9,533	5,293	4,240	402	128	152	70
Montana	1,894	1,155	739	1,712	1,045	667	64	11	44	11
Idaho	972	552	420	952	525	407	12	9	19	10
Wyoming	597	367	250	584	357	227	38	9	7	2
Colorado	3,858	2,064	1,804	3,542	1,846	1,696	187	69	22	7
New Mexico	840	456	384	805	436	369	45	8	29	27
Arizona	903	532	371	749	420	329	25	11	14	10
Utah	1,042	531	511	887	458	429	36	6	5	
Nevada	348	220	128	322	206	116	15	5	14	5
<b>PACIFIC</b>	55,251	17,886	15,545	32,167	17,120	15,047	1,475	442	217	105
Washington	6,369	3,442	2,927	6,228	3,344	2,884	250	71	52	27
Oregon	4,254	2,421	1,853	4,061	2,290	1,791	159	58	21	11
California	22,808	12,023	10,565	21,858	11,486	10,372	1,066	315	144	65

<sup>1</sup> See footnote at end of table.

TABLE 47.—RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL

DIVISION AND STATE	WITH PSYCHOSIS—Continued											
	With epidemic encephalitis		With other infectious diseases		Alcoholic		Due to drugs and other exogenous poisons		Traumatic		With cerebral arterio-sclerosis	
	M	F	M	F	M	F	M	F	M	F	M	F
1 United States <sup>1</sup>	775	415	269	301	7,715	1,424	201	196	1,225	200	11,049	9,008
2 NEW ENGLAND	55	59	12	14	1,535	226	14	8	85	22	1,028	961
3 Maine		1	5	1	89	7		5	5	1	70	48
4 New Hampshire	1				70	11	1		5	2	86	90
5 Vermont		2	1	1	1				2		55	29
6 Massachusetts	48	55	6	11	1,052	197	10	4	61	17	657	720
7 Rhode Island												
8 Connecticut	6	5	2	1	121	11	5	1	12	2	155	74
9 MIDDLE ATLANTIC	501	148	46	52	2,470	626	42	44	456	85	5,417	5,000
10 New York	222	128	51	58	1,748	488	28	25	551	70	2,585	2,224
11 New Jersey	50	9	11	11	155	55	4	5	64	5	540	539
12 Pennsylvania	49	11	4	3	569	102	10	16	41	8	294	287
13 EAST NORTH CENTRAL	180	90	48	41	2,026	504	40	45	256	56	2,457	2,059
14 Ohio	58	22	9	11	501	71	10	18	65	10	596	549
15 Indiana	5	5	2	2	95	10	4	5	19	6	242	229
16 Illinois	65	41	20	17	1,029	180	14	14	108	8	1,394	1,140
17 Michigan	51	21	17	8	354	42	12	7	37	11	352	280
18 Wisconsin	5	5		5	67	1		1	9	1	75	61
19 WEST NORTH CENTRAL	90	56	22	22	480	57	27	19	68	13	966	680
20 Minnesota	24	12	5	7	252	22	3	7	28	4	377	242
21 Iowa	22	17	5	4	111	1	1	4	7	1	155	89
22 Missouri	18	10	9	9	54	7	15	5	15	4	265	261
23 North Dakota		8			6	1		1	2		40	25
24 South Dakota	6	5			5		5		2	1	58	16
25 Nebraska	5	5	4		32	2		1	10	2	46	32
26 Kansas	5	5	1	2	40	4	7	5	9	1	89	55
27 SOUTH ATLANTIC	45	28	40	28	414	77	25	28	108	10	761	669
28 Delaware	1	5	1		49	10		1	9	2	45	51
29 Maryland	4	2	5	5	154	58	4	1	14	1	142	145
30 Dist. of Columbia	21	12	7	4	110	22	1	4	12	1	161	188
31 Virginia												
32 West Virginia	6		5	1	45	2	2		17	2	74	59
33 North Carolina	8	8	2	4	25	3	4	7	15		101	87
34 South Carolina												
35 Georgia					7		5	2	28	2	155	97
36 Florida	5	1	22	12	26	2	9	15	17	2	85	62
37 EAST SOUTH CENTRAL <sup>1</sup>	12	8	6	18	91	5	10	8	28	1	157	162
38 Kentucky	6	5	1	7	62	5		5	15		80	59
39 Tennessee	4	2	5	9	29		10	5	10	1	76	96
40 Alabama	2	1									1	7
41 WEST SOUTH CENTRAL	54	25	65	94	129	18	11	35	77	15	625	545
42 Arkansas			26	44	13	5		5	11	1	128	92
43 Louisiana			10	9	32	6	1	5	4		47	65
44 Oklahoma	45	20	14	5	52	5	1	4	21	1	211	110
45 Texas	9	5	15	56	52	4	9	25	41	15	257	80
46 MOUNTAIN	28	10	7	15	91	19	15	7	45	8	299	141
47 Montana	1		5	2	14	5	2	1	8		52	29
48 Idaho	4	2		4	28	5	6	2	2	1	51	5
49 Wyoming					11	2			4	1	10	5
50 Colorado	16	4	1	1	24	5	2		22		166	92
51 New Mexico	1	1		4	7	2	5		2	6	15	5
52 Arizona		1						5	5		22	10
53 Utah	1	1			2	1	1	1	2		5	1
54 Nevada	5	1	5	2	5	1	1					
55 PACIFIC	22	15	25	25	679	117	17	6	149	12	1,526	991
56 Washington	14	7	4	4	67	10	1		51	1	241	178
57 Oregon	3	5	5	5	99	28	5	2	27	1	156	49
58 California	5	1	18	14	515	81	11	4	91	10	949	764

<sup>1</sup> See footnote at end of table.









## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 48.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup>	204,306	617	3,324	8,750	14,176	17,705	20,304
NEW ENGLAND	18,608	32	172	517	927	1,295	1,540
Maine	1,310	—	14	48	80	118	142
New Hampshire	1,029	4	11	25	38	71	110
Vermont	555	4	7	29	28	47	52
Massachusetts	10,865	21	118	341	638	868	1,038
Rhode Island	1,369	—	—	—	—	—	—
Connecticut	3,480	5	22	74	145	191	198
MIDDLE ATLANTIC	52,555	281	1,225	2,872	4,223	4,975	5,507
New York	36,062	174	522	1,392	2,366	3,144	3,704
New Jersey	5,356	5	77	222	395	497	586
Pennsylvania	11,137	102	624	1,258	1,462	1,334	1,217
EAST NORTH CENTRAL	39,971	39	539	1,802	2,958	3,934	4,597
Ohio	9,890	3	77	265	643	986	1,195
Indiana	4,353	1	25	167	277	401	458
Illinois	16,092	8	98	366	804	1,297	1,680
Michigan	8,407	27	324	889	1,113	1,096	1,125
Wisconsin	1,229	—	15	95	121	154	159
WEST NORTH CENTRAL	19,624	32	284	925	1,471	1,707	1,867
Minnesota	5,394	6	62	197	347	441	490
Iowa	3,465	—	19	95	197	285	333
Missouri	4,256	17	107	334	407	420	446
North Dakota	1,089	2	39	106	210	154	123
South Dakota	876	—	6	16	37	63	81
Nebraska	2,100	2	13	42	101	149	203
Kansas	2,444	5	38	135	172	195	191
SOUTH ATLANTIC	25,524	101	420	865	1,415	1,686	1,905
Delaware	640	—	15	21	41	54	74
Maryland	3,291	1	45	142	274	331	381
District of Columbia	3,881	4	30	143	247	403	545
Virginia	4,536	—	—	—	—	—	—
West Virginia	2,071	47	101	110	203	212	244
North Carolina	3,283	48	183	324	433	402	375
South Carolina	2,212	—	—	—	—	—	—
Georgia	3,365	—	—	—	—	—	—
Florida	2,245	1	46	125	217	284	266
EAST SOUTH CENTRAL <sup>1</sup>	8,707	12	156	275	492	628	679
Kentucky	3,184	7	53	98	230	295	369
Tennessee	2,785	2	54	110	168	224	216
Alabama	2,738	3	49	67	94	107	94
WEST SOUTH CENTRAL	15,564	70	302	766	1,263	1,585	1,804
Arkansas	2,126	50	71	114	188	219	247
Louisiana	3,046	—	31	108	189	256	273
Oklahoma	3,872	17	54	161	312	445	519
Texas	6,520	3	146	383	574	665	765
MOUNTAIN	5,867	38	107	220	381	448	615
Montana	1,155	18	11	38	58	67	101
Idaho	552	3	4	14	34	38	58
Wyoming	367	—	2	9	20	22	49
Colorado	2,054	1	37	66	119	137	223
New Mexico	456	2	19	34	49	46	57
Arizona	532	11	15	39	52	54	47
Utah	531	1	15	16	36	67	64
Nevada	220	2	4	4	13	17	16
PACIFIC	17,886	12	121	508	1,046	1,449	1,790
Washington	3,442	4	29	100	173	240	310
Oregon	2,421	6	25	74	120	174	192
California	12,023	2	67	334	753	1,035	1,288

<sup>1</sup> Excluding data not reported by sex for Mississippi State hospitals. Total resident patients reported, 4,095.



TABLE 49.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup> -----	191,799	467	2,359	6,066	10,117	13,812	17,100
NEW ENGLAND -----	19,555	28	159	404	648	973	1,297
Maine -----	1,559	---	18	52	50	87	127
New Hampshire -----	1,125	---	11	24	38	64	75
Vermont -----	490	1	5	15	22	33	42
Massachusetts -----	11,553	26	109	271	451	664	892
Rhode Island -----	1,423	---	---	---	---	---	---
Connecticut -----	3,605	1	16	62	87	125	161
MIDDLE ATLANTIC -----	51,682	155	867	2,046	3,318	4,197	5,089
New York -----	35,682	79	374	966	1,850	2,506	3,233
New Jersey -----	5,400	5	54	172	257	386	506
Pennsylvania -----	10,600	71	439	908	1,231	1,305	1,350
EAST NORTH CENTRAL -----	54,963	30	354	1,119	1,901	2,912	3,631
Ohio -----	8,922	4	52	200	413	635	894
Indiana -----	4,311	1	25	100	179	298	340
Illinois -----	14,209	3	73	261	536	957	1,282
Michigan -----	6,970	21	187	525	714	961	1,036
Wisconsin -----	551	1	17	33	59	61	79
WEST NORTH CENTRAL -----	17,622	35	204	612	1,065	1,344	1,678
Minnesota -----	4,551	3	24	97	212	262	401
Iowa -----	3,017	1	19	71	136	206	240
Missouri -----	4,220	21	95	243	325	447	533
North Dakota -----	811	2	26	70	147	115	102
South Dakota -----	728	---	8	19	27	36	53
Nebraska -----	1,903	1	13	27	83	105	146
Kansas -----	2,392	7	19	85	135	173	203
SOUTH ATLANTIC -----	24,208	95	302	589	947	1,177	1,442
Delaware -----	561	---	4	10	25	46	46
Maryland -----	3,253	---	37	106	193	249	333
District of Columbia -----	2,081	5	22	31	93	156	180
Virginia -----	4,504	---	---	---	---	---	---
West Virginia -----	1,815	34	61	89	124	159	226
North Carolina -----	3,508	55	149	273	354	371	391
South Carolina -----	2,260	---	---	---	---	---	---
Georgia -----	3,969	---	---	---	---	---	---
Florida -----	2,257	3	29	80	158	196	266
EAST SOUTH CENTRAL <sup>1</sup> -----	8,579	17	91	249	396	534	598
Kentucky -----	3,067	13	35	88	169	220	280
Tennessee -----	2,713	2	32	100	138	205	208
Alabama -----	2,799	2	24	61	89	109	110
WEST SOUTH CENTRAL -----	15,258	62	195	522	923	1,265	1,570
Arkansas -----	2,197	44	54	104	168	222	226
Louisiana -----	3,148	---	23	50	122	166	241
Oklahoma -----	3,033	6	32	88	170	278	325
Texas -----	6,880	12	86	280	463	599	778
MOUNTAIN -----	4,587	34	54	138	237	340	399
Montana -----	739	18	6	27	35	47	62
Idaho -----	420	1	3	10	14	32	33
Wyoming -----	230	---	2	6	11	15	16
Colorado -----	1,804	1	11	39	74	127	146
New Mexico -----	384	5	10	20	47	44	48
Arizona -----	371	6	17	17	21	32	33
Utah -----	511	2	4	15	34	37	45
Nevada -----	128	1	1	4	1	6	16
PACIFIC -----	15,345	11	113	587	682	1,070	1,396
Washington -----	2,927	3	27	78	127	189	239
Oregon -----	1,833	5	16	79	82	124	147
California -----	10,585	3	70	230	473	757	1,010

<sup>1</sup> Excluding data not reported by sex for Mississippi State hospitals. Total resident patients reported, 4,095.

MENTAL DISEASE

TABLE 49.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	AGE (IN YEARS)—Continued							
	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown
United States <sup>1</sup>	18,919	20,407	19,975	17,617	14,455	11,558	17,745	21,288
<b>NEW ENGLAND</b>	1,608	1,988	1,948	1,888	1,692	1,451	2,305	3,175
Maine	120	159	149	161	158	114	219	5
New Hampshire	105	116	119	152	118	112	202	9
Vermont	65	62	42	55	42	59	70	1
Massachusetts	1,124	1,406	1,599	1,586	1,218	1,045	1,612	1,423
Rhode Island	—	—	—	—	—	—	—	—
Connecticut	191	265	259	206	176	141	202	1,755
<b>MIDDLE ATLANTIC</b>	5,676	5,988	5,771	4,927	4,146	3,292	5,524	886
New York	3,925	4,253	4,525	5,783	5,298	2,659	4,589	66
New Jersey	652	702	704	563	454	379	565	1
Pennsylvania	1,121	1,033	744	581	394	254	350	819
<b>EAST NORTH CENTRAL</b>	4,040	4,359	4,143	3,657	2,877	2,355	3,367	198
Ohio	1,110	1,252	1,215	1,066	736	619	752	4
Indiana	458	519	553	491	425	385	520	41
Illinois	1,543	1,771	1,755	1,668	1,358	1,113	1,772	117
Michigan	885	789	575	596	329	215	322	55
Wisconsin	64	48	65	46	31	25	21	1
<b>WEST NORTH CENTRAL</b>	1,613	1,957	1,966	1,654	1,406	1,130	1,908	850
Minnesota	458	555	593	513	416	377	610	30
Iowa	308	345	357	343	304	216	466	10
Missouri	461	437	451	284	265	200	500	176
North Dakota	101	78	59	35	25	20	20	11
South Dakota	82	96	96	65	70	62	95	1
Nebraska	203	247	269	233	186	149	240	11
Dansas	205	199	191	161	140	106	179	589
<b>SOUTH ATLANTIC</b>	1,485	1,475	1,454	1,328	1,062	814	1,209	10,651
Delaware	70	65	52	75	58	58	75	1
Maryland	368	346	377	331	285	246	372	12
District of Columbia	225	206	220	246	165	177	331	4
Virginia	—	—	—	—	—	—	—	4,504
West Virginia	193	214	173	165	112	82	151	32
North Carolina	348	363	345	291	228	180	158	24
South Carolina	—	—	—	—	—	—	—	2,260
Georgia	—	—	—	—	—	—	—	3,969
Florida	281	283	267	218	196	91	144	25
<b>EAST SOUTH CENTRAL<sup>1</sup></b>	628	641	616	604	461	354	553	2,637
Kentucky	320	375	356	342	245	225	362	59
Tennessee	199	181	193	191	151	109	159	645
Alabama	109	85	87	71	65	22	32	1,933
<b>WEST SOUTH CENTRAL</b>	1,600	1,592	1,468	1,198	950	644	644	2,425
Arkansas	238	239	237	206	152	106	174	27
Louisiana	237	242	271	188	182	120	158	1,148
Oklahoma	399	414	371	326	240	145	251	8
Texas	726	697	589	478	376	273	261	1,242
<b>MOUNTAIN</b>	486	547	546	508	421	349	513	17
Montana	81	90	109	69	68	64	63	—
Idaho	48	55	49	62	44	21	45	5
Wyoming	25	35	33	27	20	15	25	—
Colorado	165	217	215	207	187	155	280	—
New Mexico	47	40	30	36	14	14	29	—
Arizona	39	31	37	30	30	30	36	12
Utah	68	65	62	62	38	37	42	—
Nevada	15	14	11	15	20	15	15	—
<b>PACIFIC</b>	1,588	1,662	2,043	1,657	1,418	1,149	1,700	69
Washington	285	306	405	356	275	218	332	8
Oregon	195	164	238	233	179	125	239	9
California	1,112	1,312	1,400	1,268	963	806	1,129	52

<sup>1</sup>Excluding data not reported by sex for Mississippi State hospitals. Total resident patients reported, 4,095.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 50.—MALE RESIDENT PATIENTS WITH PSYCHOSIS, AT THE END OF THE YEAR, IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup>	196,048	308	2,739	8,081	13,379	16,767	19,344
NEW ENGLAND	18,302	24	154	498	910	1,275	1,504
Maine	1,254	—	11	45	75	113	133
New Hampshire	920	2	4	17	32	66	100
Vermont	516	—	5	28	24	43	46
Massachusetts	10,774	19	113	334	636	862	1,028
Rhode Island	1,369	—	—	—	—	—	—
Connecticut	3,469	3	21	74	143	189	197
MIDDLE ATLANTIC	51,847	126	1,102	2,800	4,171	4,922	5,448
New York	35,924	77	513	1,390	2,361	3,139	3,699
New Jersey	5,278	5	71	212	389	468	577
Pennsylvania	10,645	44	518	1,198	1,421	1,295	1,172
EAST NORTH CENTRAL	37,919	28	442	1,646	2,792	3,893	4,383
Ohio	9,644	3	61	243	624	936	1,163
Indiana	4,275	1	23	161	270	391	450
Illinois	15,089	4	83	342	757	1,187	1,554
Michigan	7,880	20	262	827	1,050	1,036	1,063
Wisconsin	1,031	—	15	73	91	123	133
WEST NORTH CENTRAL	18,801	20	257	860	1,405	1,623	1,770
Minnesota	5,164	3	54	179	320	418	466
Iowa	3,327	—	16	90	182	277	314
Missouri	4,047	14	95	311	392	390	424
North Dakota	1,057	2	37	102	207	152	120
South Dakota	862	—	6	16	37	62	81
Nebraska	1,942	—	13	32	94	132	179
Kansas	2,402	1	38	130	171	192	186
SOUTH ATLANTIC	24,179	55	302	744	1,259	1,526	1,739
Delaware	604	—	14	20	38	44	72
Maryland	2,977	—	32	119	242	294	339
District of Columbia	3,829	1	27	141	245	395	535
Virginia	4,336	—	—	—	—	—	—
West Virginia	1,593	11	28	58	136	168	186
North Carolina	2,839	42	137	281	394	344	323
South Carolina	2,212	—	—	—	—	—	—
Georgia	3,360	—	—	—	—	—	—
Florida	2,229	1	44	125	214	281	284
EAST SOUTH CENTRAL <sup>1</sup>	8,312	6	112	254	438	576	642
Kentucky	2,980	5	42	89	210	275	345
Tennessee	2,671	—	42	106	148	204	210
Alabama	2,661	1	28	59	80	97	87
WEST SOUTH CENTRAL	14,275	28	204	654	1,099	1,408	1,645
Arkansas	1,613	12	25	79	156	163	194
Louisiana	2,808	—	18	78	156	214	244
Oklahoma	3,663	15	42	142	288	416	489
Texas	6,191	1	119	355	519	615	718
MOUNTAIN	5,293	11	62	156	312	384	550
Montana	1,045	2	4	22	48	60	87
Idaho	525	3	3	12	31	35	55
Wyoming	357	—	2	9	19	20	46
Colorado	1,846	—	21	49	96	116	197
New Mexico	436	1	18	30	45	45	54
Arizona	420	3	4	19	36	39	39
Utah	458	1	8	13	25	35	58
Nevada	206	1	2	2	12	14	14
PACIFIC	17,120	10	104	469	995	1,362	1,683
Washington	3,344	3	27	87	166	228	302
Oregon	2,290	5	20	62	111	163	178
California	11,486	2	57	320	718	971	1,203

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals. Total reported, 3,700.





TABLE 51.—FEMALE RESIDENT PATIENTS WITH PSYCHOSIS, AT THE END OF THE YEAR, IN STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)					
		Under 15	15-19	20-24	25-29	30-34	35-39
United States <sup>1</sup>	186,859	256	2,026	5,667	9,644	13,286	16,485
NEW ENGLAND	19,406	23	152	395	658	968	1,279
Maine	1,335	—	16	30	47	85	122
New Hampshire	1,052	—	6	21	34	64	68
Vermont	486	1	5	14	22	31	42
Massachusetts	11,507	21	109	268	449	663	886
Rhode Island	1,423	—	—	—	—	—	—
Connecticut	3,603	1	16	62	86	125	161
MIDDLE ATLANTIC	51,206	95	811	1,978	3,265	4,139	5,036
New York	55,626	45	569	963	1,828	2,503	3,229
New Jersey	5,342	5	52	162	252	382	501
Pennsylvania	10,258	45	590	853	1,185	1,254	1,306
EAST NORTH CENTRAL	54,015	20	311	1,071	1,823	2,812	3,516
Ohio	8,826	3	46	195	408	625	885
Indiana	4,262	1	24	97	175	292	338
Illinois	13,674	2	64	242	497	915	1,227
Michigan	6,717	14	161	505	685	922	996
Wisconsin	556	—	16	32	58	60	72
WEST NORTH CENTRAL	17,109	22	178	578	1,033	1,298	1,614
Minnesota	4,405	2	25	85	204	250	383
Iowa	2,975	1	16	65	132	201	253
Missouri	4,055	14	77	232	312	451	506
North Dakota	796	1	25	69	146	110	101
South Dakota	721	—	7	19	27	36	52
Nebraska	1,810	1	11	25	78	99	137
Kansas	2,567	3	19	85	154	171	202
SOUTH ATLANTIC	23,155	51	212	487	831	1,064	1,501
Delaware	546	—	2	10	22	43	46
Maryland	3,012	—	26	85	178	230	302
District of Columbia	2,066	3	20	30	93	154	177
Virginia	4,504	—	—	—	—	—	—
West Virginia	1,562	2	12	39	71	109	160
North Carolina	3,168	43	124	243	310	332	550
South Carolina	2,260	—	—	—	—	—	—
Georgia	3,968	—	—	—	—	—	—
Florida	2,249	3	28	80	157	196	266
EAST SOUTH CENTRAL <sup>1</sup>	8,291	11	73	220	368	508	567
Kentucky	2,893	9	26	77	152	207	261
Tennessee	2,651	—	28	95	134	200	202
Alabama	2,747	2	19	48	82	101	104
WEST SOUTH CENTRAL	14,410	16	145	460	856	1,179	1,471
Arkansas	1,812	5	21	75	130	182	188
Louisiana	2,994	—	17	42	107	155	219
Oklahoma	2,875	6	28	80	155	263	309
Texas	6,729	5	79	263	444	579	755
MOUNTAIN	4,240	8	40	101	196	292	361
Montana	667	—	3	19	25	41	55
Idaho	407	—	3	8	13	31	32
Wyoming	227	—	2	6	11	15	16
Colorado	1,696	—	8	30	61	106	130
New Mexico	369	5	8	18	45	41	46
Arizona	329	2	14	11	20	26	31
Utah	429	1	1	6	21	27	36
Nevada	116	—	1	3	—	5	15
PACIFIC	15,047	10	104	377	654	1,026	1,540
Washington	2,884	3	25	75	120	186	235
Oregon	1,791	4	16	78	78	118	143
California	10,372	3	63	224	456	722	962

<sup>1</sup> Excluding data not reported by sex for the Mississippi State hospitals. Total reported, 3,700.



**First admissions.**—First admissions included all patients admitted for the first time to any hospital for mental disease, public or private, wherever situated, in or outside of the State, except in institutions for temporary care only (as the psychiatric ward of a general hospital).

In 1939 the rate of first admission to State hospitals expressed per 100,000 of the estimated population was 62.5 as compared with 61.2 for the previous year. The rate for 1938 differs slightly from that reported in the publication for that year, because present rates are based on more recent estimates of population for the intercensal period. Rates of first admission were highest in Delaware, 103.3, and lowest in Colorado, 29.0. Those States showing considerable increases in rates from 1938 to 1939 were Pennsylvania (56.7 percent), because of the placing of the Philadelphia State Hospital under State control (this hospital had formerly been administered by the city); and Wyoming (34.4 percent). The largest decreases in rates of first admission occurred in Nevada (17.5 percent) and West Virginia (17.4 percent).

Of first admissions, 87.3 percent of the total in State hospitals were diagnosed as with psychosis (71,294 of the total of 81,655). While dementia praecox (schizophrenia) constituted the largest category among single diagnoses of first admissions, numbering 16,716, the proportion that it comprised of the total (20.5 percent) was much smaller than it constituted of all resident patients (44.2 percent). Cerebral arteriosclerosis, which was responsible for the first admission of 13.6 percent of the patients, ranked second, while manic-depressive psychosis, with 9.6 percent of the total, was third. General paresis, as is generally the case, caused the admission of nearly three times as many male (4,917) as female patients (1,701). Alcoholic psychosis was the diagnosis for six times as many males (3,010) as females (488), while alcoholism without psychosis was responsible for the admission of nearly seven times as many males (3,965) as females (583).

The median ages when considered by single psychoses for both sexes showed much greater differences than was the case for resident patients. The greatest age differences in which male admissions were older occurred in psychosis with other disturbances of circulation (male 58.6 years, female 52.4 years) and with psychosis due to "Other metabolic, etc., diseases" (male 51.1 years, female 44.8 years). Female patients were older in few psychoses.











TABLE 54.—FIRST ADMISSIONS OF FEMALE PATIENTS TO STATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All female patients	54,570	502	1,505	2,460	3,224	3,899	3,589	3,224
With psychosis	51,991	144	1,268	2,220	2,987	3,112	3,201	2,979
General paresis	1,701	9	50	49	151	207	511	281
With other forms of syphilis of the C.N.S.	378	1	9	16	30	47	60	55
With epidemic encephalitis	87	2	7	7	17	11	17	7
With other infectious diseases	195	3	10	21	31	32	16	19
Alcoholic	488	—	2	9	36	62	75	95
Due to drugs and other exogenous poisons	172	—	4	7	13	16	22	27
Traumatic	58	—	2	4	8	7	6	5
With cerebral arteriosclerosis	4,697	—	—	—	1	4	10	41
With other disturbances of circulation	262	1	—	3	5	4	21	28
With convulsive disorders	689	22	76	108	109	98	66	64
Senile	3,194	—	—	—	—	—	—	4
Involutional psychoses	2,258	—	—	2	6	12	60	362
Due to other metabolic, etc., diseases	608	1	17	28	52	68	66	70
Due to new growth	68	2	4	—	6	5	7	7
With organic changes of the nervous system	329	2	11	21	26	34	27	37
Psychoneuroses	1,541	9	59	127	190	254	225	212
Manic-depressive	4,608	12	212	415	574	662	683	596
Dementia praecox (schizophrenia)	7,688	35	620	1,141	1,407	1,284	1,166	718
Paranoia and paranoid conditions	656	—	2	12	21	30	64	95
With psychopathic personality	266	3	42	45	41	31	39	23
With mental deficiency	1,135	38	129	155	184	139	145	134
Other, undiagnosed, and unknown	956	6	27	54	79	106	116	109
Without psychosis	2,579	158	242	240	237	287	338	245
Epilepsy	150	24	29	18	23	9	16	6
Mental deficiency	568	58	105	84	46	58	56	40
Alcoholism	585	—	3	23	60	95	115	94
Drug addiction	227	—	1	7	23	40	34	31
Personality disorders due to epidemic encephalitis	19	1	1	2	5	3	1	—
Psychopathic personality	173	9	53	27	21	16	24	7
Primary behavior disorders	119	38	22	9	7	5	8	9
Other, unclassified, and unknown	740	28	50	70	72	61	66	58

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
All female patients	3,159	2,850	2,317	1,917	1,869	4,376	427	44.1
With psychosis	2,935	2,700	2,280	1,839	1,831	4,328	242	45.0
General paresis	207	190	139	78	58	17	14	41.9
With other forms of syphilis of the C.N.S.	59	55	23	24	9	6	6	42.1
With epidemic encephalitis	11	4	2	1	1	—	—	—
With other infectious diseases	17	18	14	8	5	2	1	35.0
Alcoholic	75	48	42	25	11	5	3	45.1
Due to drugs and other exogenous poisons	51	16	15	9	7	4	1	44.4
Traumatic	5	3	4	4	2	5	1	—
With cerebral arteriosclerosis	123	358	597	796	964	1,777	46	67.2
With other disturbances of circulation	50	37	52	31	26	22	2	52.4
With convulsive disorders	57	30	28	12	7	5	7	31.3
Senile	7	28	84	261	472	2,319	21	70+
Involutional psychoses	635	602	567	136	46	12	8	50.4
Due to other metabolic, etc., diseases	67	81	64	45	23	14	14	44.8
Due to new growth	9	11	7	4	4	2	—	—
With organic changes of the nervous system	50	45	30	18	15	12	5	45.5
Psychoneuroses	152	134	94	49	18	9	11	57.8
Manic-depressive	507	404	263	147	65	40	30	38.0
Dementia praecox (schizophrenia)	559	378	214	75	50	17	24	32.5
Paranoia and paranoid conditions	107	126	94	54	27	18	6	49.7
With psychopathic personality	16	14	8	4	1	1	—	30.6
With mental deficiency	82	58	33	11	11	3	15	32.0
Other, undiagnosed, and unknown	109	106	76	47	33	38	31	—
Without psychosis	224	150	87	78	38	50	185	35.2
Epilepsy	6	5	5	1	—	—	12	24.4
Mental deficiency	34	24	14	15	5	1	30	27.6
Alcoholism	72	37	16	9	5	2	34	38.7
Drug addiction	22	19	12	4	5	5	24	39.5
Personality disorders due to epidemic encephalitis	5	—	1	—	—	—	—	—
Psychopathic personality	6	6	5	3	1	—	15	27.4
Primary behavior disorders	3	3	4	2	1	—	8	19.0
Other, unclassified, and unknown	78	58	32	44	21	42	42	—

**Resident patients and first admissions.**—In chart 4 the percentage age distribution of resident patients and of first admissions is shown separately for patients with psychosis and without psychosis.

For first admissions with psychosis the curve rose rapidly with almost equal distribution of patients from 25 to 40 years of age. Thereafter there was a gradual decline. The rise for 70 years and over was only apparent, for if the patients over 70 years could have been distributed in 5-year intervals, the curve would have continued to decline. The distribution of resident patients attained its modal age interval for patients of 50 to 54 years, but there was an almost equal number of patients in each 5-year age range from 35 to 59 years.

For patients without psychosis the modal age range was 35 to 39 years for both first admissions and resident patients. Both distributions when plotted follow almost the same outline, resident patients being a little less concentrated in the modal age interval and more evenly disbursed over the entire distribution.

Comparison of patients with psychosis with those without psychosis indicates clearly that psychotic patients that are hospitalized for a longer period tend to accumulate, and thus swell the ranks of aged patients.

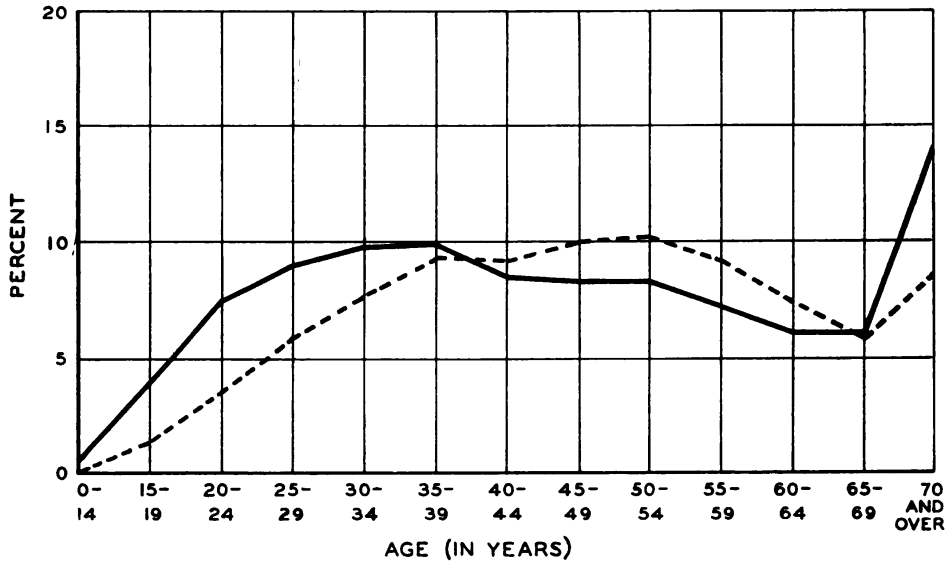
TABLE 55.—RESIDENT PATIENTS AT THE END OF THE YEAR, AND FIRST ADMISSIONS TO STATE HOSPITALS FOR MENTAL DISEASE, BY AGE: 1939

AGE (IN YEARS)	RESIDENT PATIENTS				FIRST ADMISSIONS			
	With psychosis		Without psychosis		With psychosis		Without psychosis	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All ages	582,907	100.0	15,198	100.0	71,294	100.0	10,561	100.0
Under 15	564	0.1	520	3.9	340	0.5	366	3.5
15-19	4,765	1.2	898	6.8	2,799	3.9	664	6.4
20-24	15,748	5.6	1,068	8.1	5,362	7.5	814	7.9
25-29	25,025	6.0	1,270	9.6	6,362	9.0	938	9.1
30-34	30,055	7.8	1,464	11.1	7,015	9.8	1,231	11.9
35-39	35,829	9.4	1,575	11.9	7,054	9.9	1,550	15.0
40-44	55,652	9.5	1,580	10.5	6,084	8.5	1,108	10.7
45-49	58,157	10.0	1,258	9.5	5,907	8.5	909	8.8
50-54	59,146	10.2	1,116	8.5	5,904	8.5	750	7.2
55-59	35,374	9.2	967	7.3	5,125	7.2	519	5.0
60-64	28,437	7.4	616	4.7	4,546	6.1	353	3.4
65-69	22,445	5.9	449	3.4	4,355	6.1	206	2.0
70 and over	55,322	8.7	459	3.5	9,959	14.0	208	2.0
Unknown	42,892	11.1	158	1.2	667	0.9	945	9.1

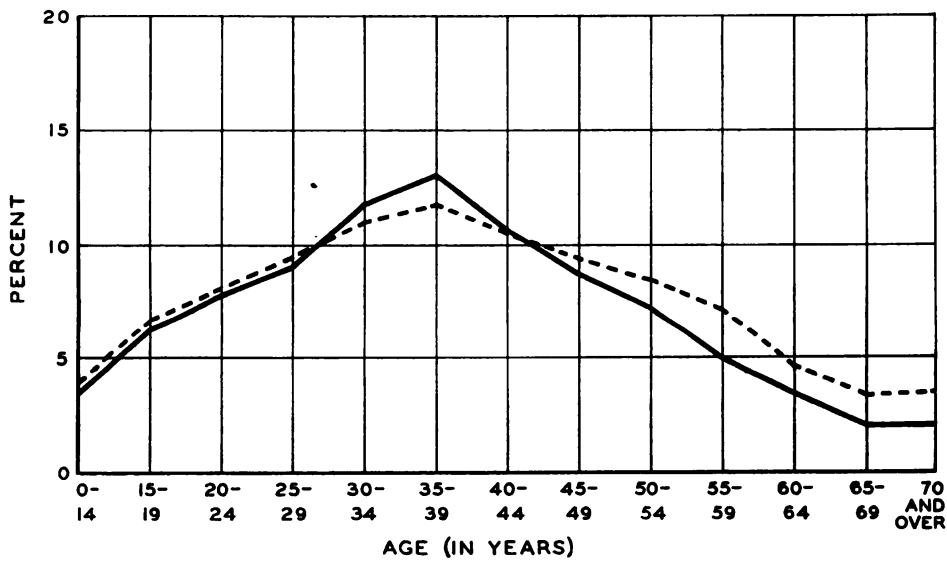
**CHART 4.—AGE DISTRIBUTION  
OF RESIDENT PATIENTS AND FIRST ADMISSIONS  
STATE HOSPITALS FOR MENTAL DISEASE: 1939**

RESIDENT PATIENTS - - - -  
FIRST ADMISSIONS ———

**WITH PSYCHOSIS**



**WITHOUT PSYCHOSIS**



**Readmissions.**—A patient who has previously received treatment in a hospital for mental diseases (other than one which provides temporary care only), whether located in the State or elsewhere, and who has been discharged from the books, is designated as a readmission. By a hospital which "provides temporary care" is meant the psychiatric ward of a general hospital.

In previous reports, rates of readmission have been expressed for interstate comparison solely on the basis of first admissions. In 1939 the total readmission rate to State hospitals in the country as a whole was 27.2 per 100 first admissions, slightly higher than that for the year previous when the rate was 26.6, and that for 1937 when it was 26.1. The greatest increase occurred in the New England States, from 36.6 to 39.1.

For an additional means of interstate comparison the rate of readmission has also been expressed per 100 discharges. There was equally wide deviation in readmission rates expressed on the basis of discharges as on the basis of first admissions. For the country as a whole there were 38.5 readmissions per 100 discharges. The rate was highest in Rhode Island, 67.6, and lowest in Arizona, 11.9. Three of the States—Wyoming, New Mexico, and Nevada—had too small a number of discharges on which to compute rates of readmission.

Rates of readmission are influenced by the degree of hospital overcrowding. When a hospital is unable to accommodate all patients seeking admission, and must give preference to the most acutely ill, the rate of readmission is decreased. A less crowded hospital can admit less acutely disturbed patients to begin with and will have a greater number of persons as possible candidates for readmission.

The development of a system of parole with a sufficient number of social workers to keep in close touch with the patient between the time that he is released from the hospital until such time as he is eligible for discharge will tend to decrease the necessity for readmission. It cannot be too strongly emphasized that any interpretation of rates of readmission must be tempered by consideration of the parole regulations and release practices in each State.<sup>a</sup>

The proportion that patients with psychosis comprised of total readmission was 87.8 percent (82.5 percent for males and 94.0 percent for females). The sex difference may be accounted for by the large proportion of alcoholism without psychosis among male readmissions (9.7 percent). Dementia praecox (schizophrenia) was responsible for the largest number of all readmissions (29.1 percent), with manic-depressive psychosis (23.6 percent) next in order; however, in this latter disorder, females (31.6 percent) constituted almost twice as large a proportion as did males (16.7 percent).

Some mental disorders are naturally more recurrent than others. While temporarily the patient may be apparently fully recovered, relapses are frequent. The readmission rate based on numbers of first admissions is a measure of the frequency of recurrence of mental disorders. The number of discharges constitutes another reliable basis on which to express rates of readmission since only discharged patients are eligible for readmission.

The rate has been presented per 100 first admissions and when so expressed was highest for manic-depressive psychosis (66.5) and for psychosis with psychopathic personality (49.2). Rates of readmission per 100 discharges were highest among psychoses with organic changes of the nervous system (58.3), with convulsive disorders (54.6), with epidemic encephalitis (52.8), and with dementia praecox (schizophrenia) (50.1). In the third of these the number of cases reported was less than 100 and individual rates for males and females have not been computed.

<sup>a</sup>In some hospitals overnight return of patients on books but not in residence, for the purpose of retaining jurisdiction, is common practice.



TABLE 57.—READMISSIONS TO STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 100 FIRST ADMISSIONS AND PER 100 DISCHARGES, BY SEX, BY MENTAL DISORDER: 1939

(Rate not shown where base is less than 100)

MENTAL DISORDER	NUMBER			PERCENT			NUMBER PER 100 FIRST ADMISSIONS			NUMBER PER 100 DISCHARGES		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	22,189	11,915	10,274	100.0	100.0	100.0	27.2	25.3	29.7	38.5	35.6	42.6
With psychosis	19,496	9,850	9,656	87.8	82.5	94.0	27.5	25.0	30.2	41.5	39.1	44.4
General paresis	756	539	217	5.4	4.5	2.1	11.4	11.0	12.8	28.5	27.5	30.8
With other forms of syphilis of the C.N.S.	170	108	62	0.8	0.9	0.6	14.3	15.3	16.4	28.5	25.9	32.6
With epidemic encephalitis	76	48	28	0.5	0.4	0.3	55.3	57.5	—	52.8	—	—
With other infectious diseases	32	19	13	0.1	0.2	0.1	9.2	12.4	6.7	14.7	—	10.7
Alcoholic	1,144	965	179	5.2	8.1	1.7	52.7	52.1	56.7	52.3	51.8	55.4
Due to drugs and other exogenous poisons	80	58	42	0.4	0.3	0.4	24.2	24.1	24.4	24.5	24.7	24.4
Traumatic	73	66	7	0.3	0.6	0.1	16.7	17.4	—	21.0	22.1	—
With cerebral arteriosclerosis	1,055	547	508	4.7	4.6	4.9	9.5	8.6	10.8	56.5	52.7	41.9
With other disturbances of circulation	71	56	35	0.5	0.5	0.3	12.1	11.1	15.4	50.6	24.7	—
With convulsive disorders	573	325	248	2.6	2.7	2.4	57.1	57.9	56.0	54.6	51.1	60.0
Senile	405	202	203	1.8	1.7	2.0	6.1	5.8	6.4	40.2	40.2	40.2
Involutional psychoses	571	155	416	2.6	1.3	4.0	19.2	20.9	18.6	52.0	56.8	30.5
Due to other metabolic, etc., diseases	114	52	62	0.5	0.3	0.8	10.9	7.3	15.5	16.9	14.5	18.1
Due to new growth	10	3	7	—	—	0.1	6.8	—	—	—	—	—
With organic changes of the nervous system	147	85	64	0.7	0.7	0.6	20.7	21.8	19.5	58.5	55.7	62.1
Psychoneuroses	640	268	372	2.9	2.2	3.6	24.5	25.1	24.1	25.5	26.0	25.1
Manic-depressive	5,237	1,990	3,247	23.6	18.7	31.6	66.5	60.8	70.5	49.2	44.8	52.3
Dementia praecox (schizophrenia)	6,447	3,395	3,052	29.1	28.5	29.7	58.6	57.6	59.7	50.1	48.3	52.2
Paranoia and paranoid conditions	351	157	194	1.6	1.3	1.9	27.6	25.5	29.6	57.5	53.5	41.5
With psychopathic personality	424	270	154	1.9	2.3	1.5	49.2	45.4	57.9	40.5	38.4	44.6
With mental deficiency	779	405	374	3.5	3.4	3.6	51.0	29.4	53.0	42.8	41.0	44.9
Other, undiagnosed, and unknown	333	179	154	1.5	1.5	1.5	16.2	16.0	16.5	26.7	29.0	24.4
Without psychosis	2,703	2,065	618	12.2	17.5	6.0	26.1	26.8	24.0	25.2	25.0	26.0
Epilepsy	115	70	45	0.5	0.6	0.4	29.2	28.7	30.0	56.3	55.0	58.5
Mental deficiency	297	184	113	1.3	1.5	1.1	20.2	20.5	19.9	30.2	30.0	30.5
Alcoholism	1,303	1,159	144	5.9	9.7	1.4	28.6	29.2	24.7	50.1	50.9	24.9
Drug addiction	211	135	76	1.0	1.1	0.7	44.7	55.1	33.5	59.6	44.0	53.6
Personality disorders due to epidemic encephalitis	10	8	2	—	0.1	—	—	—	—	—	—	—
Psychopathic personality	231	176	55	1.0	1.5	0.5	50.7	30.3	51.8	27.2	26.6	29.4
Primary behavior disorders	25	16	9	0.1	0.1	0.1	9.3	10.7	7.6	10.9	11.9	—
Other, unclassified, and unknown	511	337	174	2.3	2.8	1.7	21.2	20.2	23.5	14.9	12.8	21.8

**Discharges.**—When a patient is discharged from the hospital, he is separated from the books, and the hospital relinquishes its supervision over his activities. In some hospitals it is the practice to place all patients on parole first, and to discharge them from parole after a trial period when it appears that the patient is again able to carry on his normal activities. In other hospitals no parole period is employed before discharge, and all patients are discharged directly from the hospital. Generally speaking, those hospitals that are better able to conduct follow-up activities, because of availability of funds and adequacy of personnel, are more likely to retain a greater number of patients on parole.

The terminology used in classifying mental patients according to condition on discharge is defined as follows:

**Recovered** indicates the condition of a patient who has regained his normal mental health so that he may be considered as having practically the same mental status as he had previous to the onset of the psychosis.

Improved denotes any degree of mental gain less than recovery.

Unimproved denotes no mental gain.

Without psychosis refers to patients who had no psychosis at the time of admission to the hospital. These patients are not classified as recovered, improved, or unimproved. Such designation would not be meaningful in combination with the condition of psychotic patients, and would tend to confuse the significance of the results for psychotic patients.

There must necessarily be considerable variation of opinion in the measurement of so subjectively determined a quantity as condition of a patient on discharge. In all probability, however, there are real differences among States in the type of patient discharged.

In the country as a whole, slightly more than two-fifths of all patients discharged from hospitals were indicated as improved (males 40.7 percent, females 48.6 percent). Slightly more than one-fourth were recovered, a greater proportion among females (31.4 percent) than among males (25.2 percent). These proportions are larger for females because of the unusually high proportion of male patients without psychosis (24.9 percent as compared with 9.9 percent for females). Condition on discharge was not indicated for nonpsychotic patients.

The rate of discharge of patients with each clinical diagnosis was based on the total number of admissions of the same clinical diagnosis. Transfers were excluded in this consideration and the sum of first admissions and readmissions used as the base. It should be understood, however, that the reported discharges do not indicate discharges of the particular patients reported among admissions. Some discharged patients have undoubtedly been admitted in years previous to the one reported, and some of the admissions have not yet been discharged.

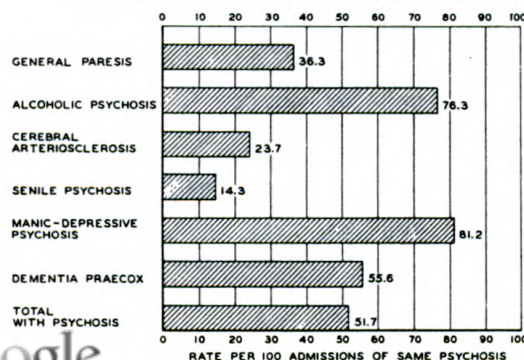
The rate of discharge per 100 admissions for all psychoses decreased but slightly, from 51.9 in 1938 to 51.7 in 1939. Discharge rates were highest for psychosis with psychopathic personality (81.6) and manic-depressive psychosis (81.2).

In the accompanying chart (chart 5) the rate of discharge is illustrated graphically for six selected psychoses as well as for all patients with psychosis. The psychoses of old age—senile psychosis and cerebral arteriosclerosis—had the lowest rates of discharge, 14.3 and 23.7 per 100 admissions, respectively. The median ages on discharge of these two psychoses, 70 and 65.0 years, respectively, show that the higher rate of discharge (for cerebral arteriosclerosis) was accompanied with a lower median age on discharge. The two selected psychoses due to exogenous causes—general paresis and alcoholic psychosis—had rates of discharge of 36.3 and 76.3 per 100 admissions, respectively. The median ages on discharge of these patients were 42.5 and 44.7 years, respectively. The two psychoses that may be designated as functional—manic-depressive psychosis and dementia praecox—and whose median ages on discharge were 41.6 and 32.2 years had rates of discharge of 81.2 and 55.6, respectively.

Approximately half of all admissions with psychosis were discharged (51.7 per 100 admissions). Aged patients are least likely to be discharged. Of the six clinical diagnoses selected for graphic presentation, manic-depressive psychosis had the highest rate of discharge as well as the highest rate of readmission.

CHART 5.—RATE OF DISCHARGE OF PATIENTS WITH CERTAIN MENTAL DISORDERS

STATE HOSPITALS FOR MENTAL DISEASE: 1939



The rate of discharge for recovered patients increased from 17.1 per 100 admissions in 1938 to 17.6 in 1939. The rate of discharge of patients with condition improved decreased from 28.9 in 1938 to 27.9 in 1939. The rate of discharge for conditions unimproved and unclassified was 6.1 in 1939 as compared with 5.9 in 1938.

For the first time in 1939 the age distribution of discharges from hospitals for mental disease was reported. The median age on discharge for all male patients was 40.2 years; for female patients the median age was 40.5 years. The median age on discharge for each of the clinical diagnoses necessarily varied considerably, since the ages of incidence of these disorders deviated so widely.

The age distribution of discharges for total patients discharged and for patients with psychosis discharged, are presented by sex, for each State and geographic division. In some instances the number of patients in the category "Unknown" was exceptionally large. In these cases it was not possible for one or more of the hospitals in the State to provide an age distribution of their discharged patients.

Rates of discharge have been computed per 1,000 patients under treatment during the course of the year for each clinical diagnosis. Because it was deemed advisable to include county and city hospitals along with State hospitals in those States where they are maintained, complementing the State hospital population as they do, this table has been included in the section dealing with all hospitals as table 31.

TABLE 58.—PATIENTS DISCHARGED FROM STATE HOSPITALS FOR MENTAL DISEASE, BY CONDITION OF DISCHARGE AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL DISCHARGES			RECOVERED		IMPROVED		UNIMPROVED		UNCLASSIFIED	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
With psychosis	46,898	25,157	21,741	8,442	7,568	15,620	11,720	2,701	1,955	394	498
General paresis	2,676	1,971	705	284	75	1,463	572	224	48	20	10
With other forms of syphilis of the C.N.S.	641	451	190	105	41	298	128	42	17	10	4
With epidemic encephalitis	144	98	46	13	6	65	80	19	10	1	—
With other infectious diseases	218	97	121	49	57	45	51	2	8	1	5
Alcoholic	5,542	3,036	508	1,915	512	985	175	117	15	19	4
Due to drugs and other exogenous poisons	526	154	172	97	115	47	50	9	5	1	2
Traumatic	547	299	48	126	16	152	25	18	7	3	—
With cerebral arteriosclerosis	2,882	1,673	1,209	343	213	1,076	823	240	184	14	9
With other disturbances of circulation	232	148	86	46	35	79	49	18	4	1	—
With convulsive disorders	1,049	636	413	89	71	399	250	145	82	5	10
Senile	1,007	502	505	47	62	517	823	124	115	14	7
Involitional psychoses	1,783	421	1,362	162	512	208	735	47	105	4	12
Due to other metabolic, etc., diseases	674	220	454	87	211	108	208	19	22	6	13
Due to new growth	56	18	18	3	5	7	6	8	4	—	3
With organic changes of the nervous system	252	149	103	15	11	108	71	24	13	4	8
Psychoneuroses	2,513	1,050	1,463	405	482	501	822	99	124	27	55
Manic-depressive	10,646	4,442	6,204	2,522	3,519	1,661	2,341	192	274	67	70
Dementia praecox (schizophrenia)	12,677	7,056	5,621	1,285	1,215	4,704	3,914	986	614	83	100
Paranoia and paranoid conditions	936	469	467	92	83	309	305	65	77	3	2
With psychopathic personality	1,048	703	345	407	178	229	145	60	20	7	2
With mental deficiency	1,821	988	833	243	244	562	450	169	131	14	6
Other, undiagnosed, and unknown	1,248	618	630	151	109	801	247	96	100	90	174
Without psychosis	10,708	8,328	2,380								
Epilepsy	517	200	117								
Mental deficiency	982	612	370								
Alcoholism	4,328	3,749	579								
Drug addiction	533	307	226								
Personality disorders due to epidemic encephalitis	41	34	7								
Psychopathic personality	948	661	187								
Primary behavior disorders	250	134	96								
Other, unclassified, and unknown	3,429	2,631	798								









TABLE 62.—FEMALE PATIENTS DISCHARGED FROM STATE HOSPITALS FOR MENTAL DISEASE, BY AGE,  
BY MENTAL DISORDER: 1939

(Median not shown where number of discharges is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All female patients	24,121	110	788	1,794	2,416	2,587	2,853	2,514
With psychosis	21,741	43	628	1,588	2,166	2,516	2,529	2,256
General paresis	705	4	4	18	42	94	127	100
With other forms of syphilis of the C.N.S.	190	—	6	11	25	25	28	24
With epidemic encephalitis	46	—	6	4	6	9	10	1
With other infectious diseases	121	1	2	16	12	17	17	21
Alcoholic	506	—	1	8	29	70	77	82
Due to drugs and other exogenous poisons	172	—	3	8	13	18	22	21
Traumatic	48	2	—	5	5	8	9	4
With cerebral arteriosclerosis	1,209	—	1	—	—	1	5	15
With other disturbances of circulation	86	—	—	2	1	3	7	8
With convulsive disorders	413	6	23	45	59	60	59	37
Senile	505	—	—	—	—	—	—	5
Involitional psychoses	1,562	—	—	—	2	3	23	177
Due to other metabolic, etc., diseases	454	1	9	27	40	52	62	45
Due to new growth	18	1	1	1	4	1	2	2
With organic changes of the nervous system	105	—	1	4	16	9	8	10
Psychoneuroses	1,485	4	40	99	150	190	243	185
Manic-depressive	6,204	1	119	358	605	658	748	712
Dementia praecox (schizophrenia)	5,841	17	502	798	955	870	845	577
Paranoia and paranoid conditions	467	—	3	1	9	23	45	65
With psychopathic personality	545	1	33	49	42	59	45	55
With mental deficiency	853	3	55	96	118	104	91	66
Other, undiagnosed, and unknown	650	2	19	40	56	61	60	70
Without psychosis	2,580	67	160	206	250	271	324	258
Epilepsy	117	4	24	25	19	15	9	7
Mental deficiency	370	26	43	57	42	45	38	51
Alcoholism	579	—	2	17	59	85	115	104
Drug addiction	226	—	—	10	21	40	41	51
Personality disorders due to epidemic encephalitis	7	—	2	1	3	—	—	1
Psychopathic personality	187	4	28	54	24	20	25	14
Primary behavior disorders	96	18	20	9	14	4	7	4
Other, unclassified, and unknown	798	15	41	55	68	66	69	66
		AGE (IN YEARS)—Continued						Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	
All female patients	2,410	1,991	1,533	1,027	775	856	2,469	40.5
With psychosis	2,188	1,652	1,420	949	752	795	2,279	41.0
General paresis	95	68	36	17	15	3	82	41.1
With other forms of syphilis of the C.N.S.	22	19	12	5	4	1	12	39.6
With epidemic encephalitis	5	2	—	—	—	—	3	—
With other infectious diseases	9	6	3	3	—	2	12	36.9
Alcoholic	70	67	32	35	11	12	12	43.8
Due to drugs and other exogenous poisons	21	11	21	2	7	2	23	42.5
Traumatic	3	3	1	1	3	1	3	—
With cerebral arteriosclerosis	45	94	208	240	244	302	52	64.3
With other disturbances of circulation	14	13	12	7	7	4	8	—
With convulsive disorders	30	20	13	3	5	4	49	54.1
Senile	2	8	21	67	100	261	43	70+
Involitional psychoses	355	356	239	100	52	19	58	51.6
Due to other metabolic, etc., diseases	64	38	35	15	9	3	56	40.9
Due to new growth	3	1	—	—	—	—	1	—
With organic changes of the nervous system	11	10	8	5	6	2	13	—
Psychoneuroses	165	120	92	60	50	11	94	39.4
Manic-depressive	643	536	378	252	149	90	957	41.0
Dementia praecox (schizophrenia)	439	284	170	68	34	36	470	33.7
Paranoia and paranoid conditions	69	75	59	38	25	21	38	50.1
With psychopathic personality	28	24	14	8	8	3	16	35.1
With mental deficiency	64	50	29	10	6	8	153	53.8
Other, undiagnosed, and unknown	51	49	37	13	16	10	146	—
Without psychosis	222	139	113	78	41	41	210	37.0
Epilepsy	5	2	4	1	2	—	4	26.4
Mental deficiency	23	16	14	4	5	1	25	30.5
Alcoholism	92	45	25	15	5	5	12	40.4
Drug addiction	20	12	17	12	2	3	17	39.1
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—
Psychopathic personality	7	7	4	3	—	—	17	29.0
Primary behavior disorders	4	2	6	1	—	—	7	—
Other, unclassified, and unknown	71	55	43	42	27	32	128	—











**Deaths.**—In 1939 there were 31,451 deaths of patients in State hospitals for mental disease (17,933 male and 13,518 female). The ratio of deaths per 1,000 patients under treatment was 69.6 for males and 58.4 for females, with an average of 64.3 for both sexes combined. The ratio of deaths per 100 admissions was 30.4 for males and 30.1 for females.

The death rate per 1,000 patients under treatment declined from 80.6 in 1926 to 64.3 in 1939, while the death rate per 100 admissions declined from 38.7 in 1926 to 30.3 in 1939. In neither case was the decrease in rate a constant one. The decline probably is largely accounted for by the increased capacity of institutions, accumulation of resident patient population, improved methods of treatment, increased life expectancy of the general population, and by the admission of patients less acutely ill.

The death rate per 1,000 patients under treatment showed considerable interstate variation. The rate was highest in Idaho (101.5), and lowest in Utah (40.1).

Of the 31,451 deaths of patients in State hospitals for mental disease, 30,389, or 96.6 percent, were of patients with psychosis. The largest number of deaths occurred among patients with cerebral arteriosclerosis (4,558 male and 3,048 female). The next largest number was of patients with senile psychosis (2,923 male and 2,658 female).

The duration of hospital life of all male patients was 1 year 4.3 months as compared with 1 year 10.1 months for female patients. For patients with dementia praecox (schizophrenia), manic-depressive psychosis, and with mental deficiency with and without psychosis, the duration of hospital life was considerably higher than the median.

The deaths of all patients in State hospitals have been tabulated by mental disorder and by the number of times the patient had been admitted to the hospital. More than four-fifths of the patients who died in the hospital had been admitted only once. The number of readmissions was largest for dementia praecox (schizophrenia) and manic-depressive psychosis.

Of all deaths of patients in State hospitals somewhat more than one-third were of married patients (11,918); nearly one-third were of single (10,295); about one-fourth were of widowed (7,500); the remainder were of separated or divorced (1,738). The proportions of patients in one or another marital status are to some extent determined by the age of onset of the mental disorder, and are, of course, affected by marked personality characteristics that are associated with one or another of the psychoses.

The median age at death showed considerable variation among the individual psychoses. Median ages have not been computed for any mental disorder in which the number of deaths was less than 100.

TABLE 67.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT AND PER 100 ADMISSIONS: 1926-1939

YEAR	NUMBER OF PATIENTS WHO DIED DURING YEAR			DEATHS PER 1,000 PATIENTS UNDER TREATMENT <sup>1</sup>			DEATHS PER 100 ADMISSIONS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1939	31,451	17,933	13,518	64.3	69.6	58.4	30.3	30.4	30.1
1938	30,977	17,582	13,395	65.6	70.4	60.2	30.8	30.8	30.8
1937	32,752	18,756	13,996	71.5	77.0	64.9	33.2	33.2	33.5
1936	32,004	18,476	13,528	71.9	78.0	65.0	33.7	34.1	33.2
1935	29,297	16,896	12,401	68.5	73.9	62.0	32.6	32.9	32.2
1934	29,098	16,606	12,492	69.9	74.5	64.5	33.2	32.6	34.0
1933	27,517	15,772	11,745	68.5	73.4	62.8	31.8	31.5	32.4
1932	27,146	15,584	11,562	70.4	75.5	64.5	32.7	32.4	33.0
1931	26,794	15,767	11,027	72.0	79.1	65.8	32.5	33.0	31.9
1930	26,923	15,626	11,297	75.5	81.7	68.3	34.3	34.2	34.5
1929	27,866	15,890	11,976	80.6	86.2	74.3	34.9	35.5	37.3
1928	26,492	15,266	11,226	79.0	85.1	72.0	36.1	35.9	36.4
1927	24,692	14,568	10,124	76.3	84.1	67.3	35.6	36.5	34.4
1926	25,315	14,566	10,749	80.6	86.6	73.5	38.7	38.9	38.5

<sup>1</sup> Under treatment includes number of patients resident at end of year, plus those who were discharged and those who died in the hospital during the year.

TABLE 68.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DEATHS			DEATHS PER 1,000 PATIENTS UNDER TREATMENT <sup>1</sup>			WITH PSYCHOSIS						
	Total	Male	Fe-male	Total	Male	Fe-male	Total	Male	Fe-male	General paresis		With other forms of syphilis of the C.N.S.	
										M	F	M	F
United States	51,451	17,953	13,518	64.3	69.6	58.4	50,589	17,235	13,154	2,583	746	358	157
NEW ENGLAND	3,209	1,700	1,509	68.7	73.4	64.0	2,973	1,566	1,407	123	37	27	6
Maine	243	132	111	74.3	80.4	68.2	239	129	110	15	2	3	3
New Hampshire	221	114	107	81.6	85.7	77.7	218	112	106	7	5	1	---
Vermont	113	60	53	80.2	78.3	82.4	110	58	52	4	---	---	---
Massachusetts	1,838	954	904	67.0	69.4	64.7	1,830	929	901	73	28	11	3
Rhode Island	214	118	96	67.4	74.9	60.0	---	---	---	---	---	---	---
Connecticut	580	342	238	66.6	78.1	54.9	576	338	238	24	2	12	---
MIDDLE ATLANTIC	8,156	4,216	3,940	66.1	67.0	65.1	8,078	4,175	3,903	550	170	72	32
New York	5,822	2,970	2,852	68.5	68.8	68.3	5,813	2,965	2,848	374	100	46	20
New Jersey	944	503	441	72.7	76.1	69.2	934	495	439	64	20	17	3
Pennsylvania	1,390	743	647	54.5	56.8	52.1	1,331	715	616	112	50	9	9
EAST NORTH CENTRAL	6,092	3,573	2,519	65.1	70.1	59.2	5,901	3,419	2,482	642	194	44	21
Ohio	1,274	707	567	57.0	59.9	53.7	1,263	699	564	176	62	9	6
Indiana	693	389	304	68.5	75.8	61.0	686	383	303	87	44	6	3
Illinois	2,899	1,720	1,179	73.3	79.3	66.1	2,766	1,610	1,156	257	67	16	9
Michigan	1,007	621	386	55.9	62.3	47.9	972	594	378	102	15	13	3
Wisconsin	219	136	83	62.8	57.1	74.8	214	133	81	20	6	---	---
WEST NORTH CENTRAL	2,662	1,617	1,045	59.8	67.5	50.8	2,579	1,563	1,016	183	46	25	8
Minnesota	778	462	316	66.5	71.9	60.0	755	447	306	36	12	3	2
Iowa	416	248	168	53.0	57.6	47.4	413	247	166	25	5	2	1
Missouri	719	447	272	68.0	81.2	53.7	685	423	262	73	11	9	2
North Dakota	93	64	29	40.2	47.1	30.3	93	64	29	6	---	---	---
South Dakota	106	66	40	53.3	60.4	44.7	103	64	39	5	2	3	---
Nebraska	202	130	72	44.7	53.9	34.1	188	121	67	10	2	2	2
Kansas	348	200	148	62.0	69.8	54.0	342	197	145	28	14	2	1
SOUTH ATLANTIC	3,627	2,167	1,460	59.4	66.9	51.0	3,421	2,034	1,387	382	97	46	14
Delaware	112	62	50	79.0	82.3	75.3	110	61	49	6	5	1	---
Maryland	538	327	211	70.4	83.1	56.9	519	318	201	62	9	3	---
Dist. of Col.	295	177	118	43.4	39.9	50.0	292	174	118	26	9	2	1
Virginia	749	457	292	60.5	67.4	52.3	709	434	275	64	17	15	4
West Virginia	335	212	123	66.8	76.7	54.5	292	181	111	46	10	8	3
North Carolina	490	272	218	63.2	71.9	54.9	428	238	190	44	6	4	---
South Carolina	400	222	178	69.0	74.6	63.1	386	213	173	52	19	---	---
Georgia	413	229	184	47.0	56.2	39.1	413	229	184	48	17	---	1
Florida	295	209	86	54.2	71.9	33.9	272	186	86	34	5	13	5
EAST SOUTH CENTRAL	2,041	1,187	854	72.3	80.5	63.4	1,971	1,142	829	189	50	39	14
Kentucky	636	371	265	79.8	88.6	70.1	617	357	260	60	19	6	3
Tennessee	416	249	167	61.2	69.5	51.9	403	243	160	53	16	3	2
Alabama	439	260	179	60.8	70.2	50.9	423	253	170	23	4	20	7
Mississippi	550	307	243	88.3	93.7	82.3	528	289	239	53	11	10	2
WEST SOUTH CENTRAL	2,244	1,364	880	58.7	68.9	47.8	2,131	1,283	848	245	79	38	23
Arkansas	506	294	212	84.5	94.3	73.8	452	253	199	40	9	11	12
Louisiana	474	300	174	60.4	74.8	45.3	451	281	170	68	21	7	---
Oklahoma	515	346	169	59.2	69.8	45.2	493	334	159	48	16	13	4
Texas	749	424	325	47.8	55.1	40.8	735	415	320	89	33	7	7
MOUNTAIN	865	571	294	69.2	80.4	54.3	828	547	281	50	24	32	9
Montana	182	126	56	77.4	89.6	59.3	173	119	54	5	2	6	1
Idaho	124	91	33	101.5	126.0	66.0	123	90	33	6	2	5	---
Wyoming	47	33	14	67.9	77.3	52.8	47	33	14	---	---	4	---
Colorado	276	167	109	63.2	70.7	54.4	266	161	105	20	11	3	1
New Mexico	79	56	23	82.8	104.3	55.2	68	48	20	8	1	7	5
Arizona	78	51	27	65.5	72.5	55.3	75	51	24	6	4	5	1
Utah	53	28	25	40.1	41.3	38.8	51	27	24	4	4	---	---
Nevada	26	19	7	63.6	72.5	47.6	25	18	7	1	---	2	1
PACIFIC	2,555	1,538	1,017	62.4	68.0	55.6	2,507	1,506	1,001	219	49	35	10
Washington	546	332	214	71.4	79.5	61.7	536	325	211	36	8	9	2
Oregon	412	271	141	76.9	87.5	62.4	405	267	138	23	3	4	2
California	1,597	935	662	57.2	60.9	52.7	1,566	914	652	160	38	22	6

<sup>1</sup> Under treatment includes number of patients resident at end of year, plus those who were discharged and those who died in the hospital during the year.

TABLE 68.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939—Con.

DIVISION AND STATE	WITH PSYCHOSIS—Continued																	
	With epidemic encephalitis		With other infectious diseases		Alcoholic		Due to drugs, etc.		Traumatic		With cerebral arteriosclerosis		With other disturbances of circulation		With convulsive disorders		Senile	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
United States	65	55	68	65	459	100	21	22	84	17	4,558	5,048	206	140	452	346	2,923	2,658
NEW ENGLAND	5	2	4	5	104	14	1	3	5	—	581	462	18	14	54	50	182	259
Maine	—	—	—	—	5	—	—	—	—	—	51	20	1	—	7	6	23	27
New Hampshire	—	—	—	—	5	—	—	—	—	—	46	59	—	—	2	5	18	20
Vermont	—	—	—	—	1	—	—	1	—	—	24	13	—	—	5	1	6	13
Massachusetts	2	—	4	2	72	15	1	2	5	—	552	315	15	7	27	55	105	140
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Connecticut	1	2	—	1	21	1	—	—	—	—	128	75	4	7	15	5	30	59
MIDDLE ATLANTIC	17	15	22	17	143	45	2	4	45	12	1,256	1,089	48	41	69	75	686	908
New York	10	9	13	10	102	40	1	5	41	10	952	847	30	29	52	52	538	671
New Jersey	5	1	9	4	12	3	—	1	2	1	194	150	11	3	2	3	40	92
Pennsylvania	2	3	—	3	29	2	1	—	—	1	110	62	7	9	15	20	128	145
EAST NORTH CENTRAL	15	8	12	10	104	15	3	5	14	—	1,065	675	17	15	49	57	414	401
Ohio	2	2	7	3	24	3	2	3	2	—	153	123	5	3	3	3	62	61
Indiana	1	—	—	2	8	1	1	—	1	—	97	70	1	2	4	4	55	45
Illinois	6	3	3	5	51	11	—	—	10	—	640	372	9	3	52	26	196	218
Michigan	4	1	2	—	17	—	—	2	1	—	129	87	2	7	9	4	80	68
Wisconsin	—	2	—	2	4	—	—	—	1	—	64	23	—	—	1	—	21	11
WEST NORTH CENTRAL	7	5	1	4	26	—	1	1	2	2	595	166	18	14	37	32	324	253
Minnesota	1	3	1	3	15	—	—	—	2	1	152	70	2	1	11	7	82	63
Iowa	2	—	—	1	4	—	—	—	—	—	44	13	2	2	3	9	64	43
Missouri	1	—	—	—	5	—	1	1	—	1	98	42	8	6	12	15	88	76
North Dakota	—	—	—	—	1	—	—	—	—	—	19	6	—	—	4	—	15	6
South Dakota	—	1	—	—	—	—	—	—	—	—	9	7	—	1	1	—	12	7
Nebraska	—	—	—	—	1	—	—	—	—	—	20	11	2	2	6	1	25	15
Kansas	3	1	—	—	2	—	—	—	—	—	53	17	4	2	—	—	38	25
SOUTH ATLANTIC	11	1	10	8	24	5	8	3	6	1	560	212	58	25	88	45	566	251
Delaware	2	—	—	—	2	1	—	—	—	—	26	11	1	—	—	1	9	15
Maryland	—	—	4	—	8	1	—	—	1	—	60	59	4	1	10	6	59	41
Dist. of Col.	—	—	—	—	3	—	—	—	—	—	41	43	1	—	7	1	23	23
Virginia	5	—	1	3	5	—	1	1	2	1	79	58	7	6	19	3	104	76
West Virginia	1	1	2	3	1	1	1	—	1	—	16	10	1	—	3	5	44	22
North Carolina	1	—	2	2	1	1	1	2	—	—	29	19	—	—	9	8	45	25
South Carolina	—	—	—	—	2	1	3	—	—	—	29	17	41	16	13	12	16	14
Georgia	—	—	—	—	1	—	2	—	1	—	54	21	—	—	23	7	13	15
Florida	2	—	—	—	1	—	—	—	1	—	26	14	3	2	4	2	53	20
EAST SOUTH CENTRAL	2	2	1	3	5	1	2	—	5	—	202	96	14	8	68	44	211	178
Kentucky	1	1	—	2	4	1	—	—	1	—	42	21	7	4	19	15	94	71
Tennessee	1	—	—	—	1	—	—	—	1	—	43	16	2	—	14	8	56	40
Alabama	—	—	—	—	—	—	—	—	1	—	39	12	3	1	24	14	47	37
Mississippi	—	1	1	1	—	—	2	—	2	—	78	47	2	3	11	9	14	30
WEST SOUTH CENTRAL	6	2	10	13	8	1	2	2	5	—	198	97	11	12	53	51	268	171
Arkansas	—	1	8	10	1	—	—	—	—	—	52	41	—	2	5	8	54	33
Louisiana	1	—	—	—	1	1	1	—	—	—	29	14	—	1	9	6	52	40
Oklahoma	5	—	2	2	4	—	1	2	1	—	75	27	7	4	14	8	55	28
Texas	—	1	—	1	2	—	—	—	4	—	42	15	4	5	5	9	108	70
MOUNTAIN	2	1	2	2	9	2	—	2	1	—	78	49	8	—	14	7	175	79
Montana	—	—	1	1	2	—	—	1	—	—	18	14	—	—	2	3	38	9
Idaho	—	—	—	—	6	—	—	—	—	—	6	1	1	—	1	—	40	13
Wyoming	—	—	—	—	—	—	—	—	—	—	9	4	—	—	3	—	8	4
Colorado	1	1	—	—	1	—	—	—	—	—	32	25	2	—	5	4	59	34
New Mexico	—	—	1	—	—	—	—	—	—	—	3	1	2	—	—	—	11	1
Arizona	—	—	—	—	—	—	—	—	1	—	8	5	3	—	—	—	4	8
Utah	1	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	9	8
Nevada	—	—	—	1	—	—	—	—	—	—	1	1	—	—	2	—	6	2
PACIFIC	4	1	6	3	36	17	2	2	5	2	405	252	14	11	40	25	297	198
Washington	2	—	—	—	9	1	—	—	—	1	78	46	4	4	11	7	108	59
Oregon	2	—	1	—	3	—	2	—	—	—	58	25	7	2	6	5	87	50
California	—	1	5	3	24	16	—	—	5	1	269	181	3	5	23	13	102	89

TABLE 68.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939—Con.

DIVISION AND STATE	WITH PSYCHOSIS—Continued													
	Involuntional psychoses		Due to other metabolic, etc., diseases		Due to new growth		With organic changes of the nervous system		Psycho-neuroses		Manic-depressive		Dementia praecox (schizophrenia)	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
United States	252	459	225	257	47	46	254	190	49	68	1,022	1,322	2,594	2,610
NEW ENGLAND	17	39	26	31	9	8	28	22	—	7	86	94	227	298
Maine	2	1	—	—	—	2	—	—	—	1	14	11	23	32
New Hampshire	—	4	2	—	2	—	2	2	—	—	6	5	11	15
Vermont	—	3	1	—	—	—	—	1	—	2	2	5	13	10
Massachusetts	10	25	20	29	4	4	22	17	—	2	46	54	123	186
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Connecticut	5	8	3	2	3	2	4	2	—	2	18	19	57	57
MIDDLE ATLANTIC	84	180	50	59	18	18	65	51	16	14	169	280	715	787
New York	63	125	18	24	12	15	58	37	9	15	86	169	509	586
New Jersey	8	16	3	5	2	1	3	4	2	—	11	40	61	61
Pennsylvania	13	39	9	10	4	2	22	10	5	1	72	71	125	120
EAST NORTH CENTRAL	56	95	41	56	4	7	69	41	14	21	156	214	484	490
Ohio	30	37	6	14	1	3	11	6	4	8	48	76	116	62
Indiana	7	14	1	5	—	2	10	5	—	—	31	28	55	69
Illinois	11	29	17	23	1	1	27	18	8	8	26	63	205	250
Michigan	5	9	16	9	—	1	19	10	2	4	26	28	100	95
Wisconsin	5	4	1	5	2	—	2	2	—	1	5	19	8	4
WEST NORTH CENTRAL	18	46	14	15	5	1	26	17	7	8	125	123	225	214
Minnesota	5	11	2	2	2	—	9	7	3	—	32	45	66	65
Iowa	8	15	3	1	1	—	8	2	2	2	25	21	34	42
Missouri	1	5	5	6	—	—	4	4	1	1	27	15	55	41
North Dakota	—	2	1	1	—	—	—	1	—	—	1	1	12	9
South Dakota	3	3	—	—	—	—	1	—	—	2	8	3	20	11
Nebraska	1	3	1	—	—	—	2	—	—	1	11	6	30	17
Kansas	2	7	2	3	—	1	2	3	1	2	21	32	28	51
SOUTH ATLANTIC	17	28	29	31	4	6	32	24	7	8	216	254	269	255
Delaware	1	1	—	—	—	—	1	2	—	—	4	4	2	1
Maryland	6	11	5	8	—	4	7	5	1	2	19	20	54	32
Dist. of Col.	3	2	2	—	1	—	4	3	—	—	7	2	48	22
Virginia	1	2	5	1	1	—	2	2	—	—	62	72	42	35
West Virginia	1	2	1	4	1	2	4	2	2	1	19	18	18	15
North Carolina	3	6	6	7	—	—	1	2	2	—	38	49	37	51
South Carolina	2	3	4	8	1	—	3	2	1	3	23	26	16	37
Georgia	—	—	3	1	—	—	9	4	1	1	28	48	28	49
Florida	—	1	3	2	—	—	1	2	—	1	16	15	24	13
EAST SOUTH CENTRAL	8	10	55	34	—	2	6	7	—	3	78	119	148	178
Kentucky	2	7	11	5	—	—	—	3	—	2	26	27	49	51
Tennessee	—	1	4	5	—	—	2	1	—	—	6	36	25	25
Alabama	1	1	2	7	—	1	—	2	—	—	24	29	45	46
Mississippi	—	1	18	17	—	1	4	1	—	1	22	27	29	51
WEST SOUTH CENTRAL	17	19	25	29	3	1	15	10	1	6	96	105	175	153
Arkansas	5	1	2	2	—	—	3	3	—	3	10	9	25	32
Louisiana	1	3	6	3	—	—	—	2	1	—	11	8	65	47
Oklahoma	3	3	12	10	3	1	7	3	—	1	19	17	35	17
Texas	10	12	3	14	—	—	5	2	—	2	56	71	80	57
MOUNTAIN	1	9	8	6	—	—	2	2	3	—	39	33	93	40
Montana	—	1	—	—	—	—	—	1	—	—	19	13	14	2
Idaho	1	2	2	1	—	—	—	—	2	—	1	4	15	9
Wyoming	—	2	2	—	—	—	1	—	—	—	1	2	5	1
Colorado	—	1	—	2	—	—	1	1	1	—	4	5	29	18
New Mexico	—	3	2	1	—	—	—	—	—	—	5	3	7	4
Arizona	—	—	1	—	—	—	—	—	—	—	1	2	14	4
Utah	—	—	1	2	—	—	—	—	—	—	6	5	5	2
Nevada	—	—	—	—	—	—	—	—	—	—	2	1	4	—
PACIFIC	19	35	19	18	6	3	15	16	1	1	77	100	238	210
Washington	5	8	3	2	2	2	2	3	—	—	11	22	41	34
Oregon	7	5	1	1	2	—	2	3	—	—	15	16	33	16
California	9	22	15	15	2	1	9	10	1	1	51	62	184	160

TABLE 68.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939—Con.

DIVISION AND STATE	WITH PSYCHOSIS—Continued								WITHOUT PSYCHOSIS				
	Paranoia and paranoid conditions		With psychopathic personality		With mental deficiency		Other, undiagnosed, and unknown		Total	Male	Female	Epilepsy	
	M	F	M	F	M	F	M	F				M	F
United States	212	265	44	28	408	327	571	272	1,082	698	384	64	35
<b>NEW ENGLAND</b>	19	41	2	1	48	27	9	9	256	154	102	—	—
Maine	2	8	1	—	2	2	—	—	4	3	1	—	—
New Hampshire	2	6	—	—	5	2	3	5	5	2	1	—	—
Vermont	—	1	—	—	3	1	1	1	3	2	1	—	—
Massachusetts	10	22	1	1	28	18	2	2	8	5	3	—	—
Rhode Island	—	—	—	—	—	—	—	—	214	118	96	—	—
Connecticut	5	9	—	—	5	4	3	1	4	4	—	—	—
<b>MIDDLE ATLANTIC</b>	54	71	17	12	72	61	29	54	78	41	37	6	4
New York	29	40	13	10	55	27	14	11	9	5	4	2	—
New Jersey	15	15	3	1	9	10	4	5	10	8	2	1	—
Pennsylvania	12	16	1	1	28	24	11	18	59	28	31	3	4
<b>EAST NORTH CENTRAL</b>	50	77	11	6	67	48	92	58	191	154	37	3	1
Ohio	14	43	6	4	15	18	3	6	11	8	3	—	—
Indiana	7	6	1	—	9	3	1	2	7	6	1	—	—
Illinois	7	8	—	—	32	28	58	38	133	110	23	2	1
Michigan	22	20	4	1	9	3	32	11	35	27	8	1	—
Wisconsin	—	—	—	1	2	—	—	1	5	3	2	—	—
<b>WEST NORTH CENTRAL</b>	15	15	4	3	39	33	70	34	83	54	29	6	5
Minnesota	1	6	1	—	9	8	14	4	23	15	8	—	—
Iowa	7	4	1	—	11	3	1	2	3	1	2	—	—
Missouri	1	2	1	—	11	14	44	20	34	24	10	5	—
North Dakota	1	—	—	—	3	—	—	—	—	—	—	—	—
South Dakota	—	—	—	2	1	—	1	—	3	2	1	—	1
Nebraska	2	—	—	1	4	2	4	4	14	9	5	1	—
Kansas	1	1	1	—	3	3	6	4	6	3	3	—	—
<b>SOUTH ATLANTIC</b>	21	22	3	3	54	62	23	32	208	133	75	30	16
Delaware	4	4	—	—	—	—	2	4	2	1	1	—	—
Maryland	4	4	—	1	8	13	3	4	19	9	10	4	3
Dist. of Col.	4	4	—	1	—	2	1	5	3	3	—	—	—
Virginia	3	2	1	—	12	6	3	6	40	23	17	3	—
West Virginia	4	—	—	—	5	11	2	1	43	31	12	7	4
North Carolina	—	2	—	1	11	5	4	4	62	34	28	7	9
South Carolina	2	6	—	—	3	5	2	4	14	9	5	—	—
Georgia	—	—	1	—	12	16	5	4	—	—	—	—	—
Florida	—	—	1	—	3	4	1	—	23	23	—	9	—
<b>EAST SOUTH CENTRAL</b>	10	2	3	—	47	40	74	43	70	45	25	4	—
Kentucky	4	—	1	—	24	18	6	10	19	14	5	1	—
Tennessee	—	—	—	—	4	1	28	11	13	6	7	1	—
Alabama	6	1	1	—	8	7	9	1	16	7	9	—	—
Mississippi	—	1	1	—	11	14	31	21	22	18	4	2	—
<b>WEST SOUTH CENTRAL</b>	8	11	3	1	62	53	56	49	113	61	32	10	3
Arkansas	—	1	1	—	11	9	27	23	34	41	13	6	2
Louisiana	2	4	1	—	11	6	15	14	23	19	4	2	1
Oklahoma	4	3	—	—	19	6	6	7	22	12	10	1	—
Texas	2	3	1	1	21	12	8	5	14	9	5	1	—
<b>MOUNTAIN</b>	14	6	—	—	6	5	10	5	37	24	13	5	3
Montana	10	2	—	—	1	1	3	1	9	7	2	1	—
Idaho	—	1	—	—	3	—	—	1	—	1	—	—	—
Wyoming	—	—	—	—	—	—	—	1	—	—	—	—	—
Colorado	2	—	—	—	1	3	—	1	10	6	4	1	—
New Mexico	2	1	—	—	—	—	—	—	11	8	3	2	2
Arizona	—	—	—	—	1	1	6	1	3	—	3	—	1
Utah	—	2	—	—	—	—	—	—	2	1	1	—	—
Nevada	—	—	—	—	—	—	—	1	1	1	—	1	—
<b>PACIFIC</b>	23	20	1	2	18	18	8	8	48	32	16	—	1
Washington	5	7	—	—	1	4	—	1	10	7	3	—	1
Oregon	10	6	—	1	2	3	2	—	7	4	3	—	—
California	8	7	1	1	15	11	6	7	31	21	10	—	—

TABLE 68.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, AND RATE PER 1,000 PATIENTS UNDER TREATMENT, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939—Con.

DIVISION AND STATE	WITHOUT PSYCHOSIS—Continued													
	Mental deficiency		Alcoholism		Drug addiction		Personality disorders due to epidemic encephalitis		Psychopathic personality		Primary behavior disorders		Other, unclassified, and unknown	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
United States	215	124	62	12	14	2	6	6	11	6	---	---	328	181
NEW ENGLAND	10	4	1	---	1	---	---	---	1	1	---	---	121	97
Maine	1	1	---	---	---	---	---	---	---	---	---	---	2	---
New Hampshire	1	1	---	---	---	---	---	---	---	---	---	---	1	---
Vermont	2	1	---	---	---	---	---	---	---	---	---	---	---	---
Massachusetts	3	1	1	---	---	---	---	---	1	1	---	---	---	1
Rhode Island	---	---	---	---	---	---	---	---	---	---	---	---	118	96
Connecticut	5	---	---	---	1	---	---	---	---	---	---	---	---	---
MIDDLE ATLANTIC	9	9	2	1	---	---	---	---	1	---	---	---	25	25
New York	2	4	---	---	---	---	---	---	---	---	---	---	1	---
New Jersey	---	---	1	---	---	---	---	---	---	---	---	---	6	2
Pennsylvania	7	5	1	1	---	---	---	---	1	---	---	---	16	21
EAST NORTH CENTRAL	44	10	17	2	2	1	2	2	2	1	---	---	64	20
Ohio	6	1	2	1	---	---	---	1	---	---	---	---	---	---
Indiana	6	1	---	---	---	---	---	---	---	---	---	---	---	---
Illinois	16	2	11	1	1	---	1	1	1	---	---	---	78	18
Michigan	16	6	3	---	1	---	1	---	1	1	---	---	4	1
Wisconsin	---	---	1	---	---	1	---	---	---	---	---	---	2	1
WEST NORTH CENTRAL	25	17	1	---	2	1	2	5	---	---	---	---	20	5
Minnesota	10	5	---	---	1	---	2	1	---	---	---	---	2	---
Iowa	2	---	1	---	---	---	---	---	---	---	---	---	---	---
Missouri	8	5	---	---	---	---	---	---	---	---	---	---	11	5
North Dakota	---	---	---	---	---	---	---	---	---	---	---	---	---	---
South Dakota	---	---	---	---	---	---	---	---	---	---	---	---	2	---
Nebraska	2	3	---	---	1	---	---	2	---	---	---	---	5	---
Kansas	3	2	---	---	---	1	---	---	---	---	---	---	---	---
SOUTH ATLANTIC	55	34	11	1	4	---	---	---	1	2	---	---	52	20
Delaware	---	---	---	---	---	---	---	---	---	---	---	---	1	1
Maryland	2	7	---	---	---	---	---	---	1	---	---	---	2	---
Dist. of Col.	2	---	---	---	---	---	---	---	---	---	---	---	1	---
Virginia	5	15	9	1	2	---	---	---	---	1	---	---	4	2
West Virginia	15	7	2	---	---	---	---	---	---	---	---	---	7	1
North Carolina	15	4	---	---	2	---	---	---	---	1	---	---	10	14
South Carolina	6	3	---	---	---	---	---	---	---	---	---	---	3	2
Georgia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Florida	10	---	---	---	---	---	---	---	---	---	---	---	4	---
EAST SOUTH CENTRAL	22	18	3	---	1	---	---	---	1	1	---	---	14	6
Kentucky	7	1	1	---	---	---	---	---	1	---	---	---	4	4
Tennessee	2	6	2	---	1	---	---	---	---	---	---	---	---	1
Alabama	7	8	---	---	---	---	---	---	---	1	---	---	---	---
Mississippi	6	3	---	---	---	---	---	---	---	---	---	---	10	1
WEST SOUTH CENTRAL	34	19	3	---	2	---	1	1	4	---	---	---	27	9
Arkansas	15	7	3	---	1	---	1	---	1	---	---	---	14	4
Louisiana	8	2	---	---	1	---	---	---	2	---	---	---	6	1
Oklahoma	9	10	---	---	---	---	---	---	---	---	---	---	2	---
Texas	2	---	---	---	---	---	---	1	1	---	---	---	5	4
MOUNTAIN	10	9	4	---	---	---	1	---	1	---	---	---	5	1
Montana	3	2	3	---	---	---	---	---	---	---	---	---	---	---
Idaho	1	---	---	---	---	---	---	---	---	---	---	---	---	---
Wyoming	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Colorado	3	4	---	---	---	---	1	---	1	---	---	---	---	---
New Mexico	3	---	---	---	---	---	---	---	---	---	---	---	3	1
Arizona	---	2	---	---	---	---	---	---	---	---	---	---	---	---
Utah	---	1	1	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PACIFIC	6	4	20	8	2	---	---	---	---	1	---	---	4	2
Washington	4	1	---	---	---	---	---	---	---	---	---	---	3	1
Oregon	2	2	---	---	1	---	---	---	---	---	---	---	1	1
California	---	1	20	8	1	---	---	---	---	1	---	---	---	---

TABLE 69.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, BY DURATION OF HOSPITAL LIFE AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DEATHS			DURATION OF HOSPITAL LIFE							
	Total	Male	Female	Less than 1 month		1-3 months		4-6 months		7-11 months	
				Male	Female	Male	Female	Male	Female	Male	Female
United States	31,451	17,933	13,518	2,425	1,620	3,145	2,108	1,343	936	1,298	885
NEW ENGLAND	3,209	1,700	1,509	291	193	209	161	104	94	121	81
Maine	245	132	111	22	7	9	10	10	5	13	6
New Hampshire	221	114	107	22	22	18	5	10	10	11	—
Vermont	113	60	53	9	3	1	5	4	3	3	4
Massachusetts	1,858	934	904	185	126	108	115	59	60	74	60
Rhode Island	214	118	96	—	—	—	—	—	—	—	—
Connecticut	580	342	238	53	35	73	26	21	16	20	11
MIDDLE ATLANTIC	8,156	4,216	3,940	546	487	756	681	294	291	282	286
New York	5,822	2,970	2,852	417	387	507	516	211	219	207	220
New Jersey	944	503	441	69	51	111	91	29	29	36	31
Pennsylvania	1,390	743	647	60	49	118	74	54	43	39	35
EAST NORTH CENTRAL	6,092	3,573	2,519	597	313	653	421	271	179	256	164
Ohio	1,274	707	567	105	55	98	82	43	32	37	34
Indiana	693	389	304	62	21	64	42	29	23	41	15
Illinois	2,899	1,720	1,179	337	175	350	222	134	95	109	78
Michigan	1,007	621	386	43	25	108	55	49	24	44	31
Wisconsin	219	136	83	52	37	33	20	16	5	5	8
WEST NORTH CENTRAL	2,662	1,617	1,045	233	131	280	156	128	60	110	65
Minnesota	778	462	316	72	43	69	43	38	23	36	17
Iowa	416	248	168	32	11	33	19	16	6	16	10
Missouri	719	447	272	94	41	95	49	37	15	31	23
North Dakota	93	64	29	5	2	12	2	5	—	3	2
South Dakota	106	66	40	6	3	11	4	1	—	9	2
Nebraska	202	130	72	7	10	23	4	11	6	8	3
Kansas	348	200	148	27	21	37	15	20	10	7	8
SOUTH ATLANTIC	3,627	2,167	1,460	139	110	438	246	189	105	178	101
Delaware	112	62	50	10	6	17	2	4	7	4	3
Maryland	327	177	150	38	27	50	25	26	13	18	17
Dist. of Columbia	295	177	118	—	1	27	24	11	12	12	3
Virginia	749	457	292	—	—	116	86	49	22	48	24
West Virginia	335	212	123	8	8	53	20	8	8	11	10
North Carolina	490	272	218	31	20	45	28	27	22	29	21
South Carolina	400	222	178	37	29	46	27	26	13	22	13
Georgia	413	229	184	15	19	31	19	24	3	14	2
Florida	295	209	86	—	—	53	15	12	5	20	8
EAST SOUTH CENTRAL	2,041	1,187	854	163	99	226	136	101	72	95	52
Kentucky	636	371	265	54	48	42	30	29	18	29	13
Tennessee	416	249	167	45	18	44	21	23	14	21	10
Alabama	439	260	179	36	13	42	20	18	14	22	10
Mississippi	550	307	243	28	20	98	65	31	26	23	19
WEST SOUTH CENTRAL	2,244	1,364	880	186	117	215	101	106	49	113	54
Arkansas	506	294	212	68	41	47	27	24	11	27	14
Louisiana	474	300	174	33	22	50	24	24	10	28	10
Oklahoma	515	346	169	33	16	46	15	25	9	25	10
Texas	749	424	325	52	38	72	35	33	19	33	20
MOUNTAIN	865	571	294	61	36	91	53	45	9	35	21
Montana	182	126	56	13	10	12	10	13	3	6	2
Idaho	124	91	33	10	4	17	5	6	—	6	3
Wyoming	47	33	14	8	4	3	—	2	1	1	—
Colorado	276	167	109	20	11	25	16	15	3	6	10
New Mexico	79	56	23	5	2	12	7	2	—	7	—
Arizona	78	51	27	—	—	19	9	3	1	2	5
Utah	53	28	25	4	3	2	6	2	1	4	1
Nevada	26	19	7	1	2	1	—	2	—	3	—
PACIFIC	2,555	1,338	1,017	209	134	297	173	105	77	128	61
Washington	546	332	214	54	47	50	27	21	21	29	7
Oregon	412	271	141	56	17	45	22	22	10	30	17
California	1,597	935	662	99	70	202	124	62	46	69	37

TABLE 69.—DEATHS OF PATIENTS IN STATE HOSPITALS FOR MENTAL DISEASE, BY DURATION OF HOSPITAL LIFE AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	DURATION OF HOSPITAL LIFE—Continued													
	1 year		2 years		3-4 years		5-9 years		10-19 years		20 years and over		Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States	1,770	1,312	1,121	844	1,458	1,143	2,012	1,575	1,564	1,565	1,562	1,515	235	217
NEW ENGLAND	150	158	91	82	110	125	160	159	153	160	193	198	118	98
Maine	20	14	9	8	6	10	13	18	15	15	15	18	—	—
New Hampshire	4	9	5	8	12	13	12	15	9	15	11	15	—	1
Vermont	8	7	2	6	7	5	13	6	10	6	5	8	—	—
Massachusetts	88	96	57	47	61	78	91	91	87	108	124	122	—	1
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	118	96
Connecticut	30	52	18	13	24	19	31	31	32	18	40	37	—	—
MIDDLE ATLANTIC	405	360	296	257	357	318	494	423	358	365	399	454	51	38
New York	314	264	214	170	242	227	350	258	245	252	269	319	14	20
New Jersey	46	46	53	28	58	41	68	50	56	52	56	44	1	—
Pennsylvania	45	50	49	41	77	50	96	115	75	81	94	91	56	18
EAST NORTH CENTRAL	334	245	206	155	296	199	382	261	306	256	270	276	22	50
Ohio	69	59	41	34	66	54	94	78	85	60	71	77	—	2
Indiana	45	35	15	26	59	21	59	29	24	38	55	59	—	17
Illinois	154	101	104	64	133	90	156	106	125	107	101	111	19	50
Michigan	56	43	45	27	56	33	88	48	71	51	60	49	1	—
Wisconsin	12	7	5	4	2	1	5	—	3	—	5	—	2	1
WEST NORTH CENTRAL	152	97	106	61	121	97	168	147	147	111	172	140	—	—
Minnesota	42	21	29	17	34	28	51	55	43	34	48	37	—	—
Iowa	27	18	25	11	18	14	22	32	22	20	37	27	—	—
Missouri	44	31	50	11	33	27	34	23	31	25	28	27	—	—
North Dakota	7	4	5	5	7	4	7	1	6	4	7	7	—	—
South Dakota	4	5	4	7	6	5	7	5	5	5	15	4	—	—
Nebraska	13	5	4	4	9	7	18	9	18	9	19	15	—	—
Kansas	15	13	9	8	14	12	29	24	22	14	20	23	—	—
SOUTH ATLANTIC	244	156	141	94	185	133	271	168	178	155	192	184	12	8
Delaware	4	8	3	2	8	10	3	2	3	8	6	2	—	—
Maryland	36	21	23	19	35	22	42	22	25	20	31	25	1	—
Dist. of Columbia	14	14	11	10	11	10	30	18	22	15	59	13	—	—
Virginia	59	30	28	14	58	21	46	36	29	14	44	45	—	—
West Virginia	38	10	13	11	17	12	26	14	23	16	15	14	—	—
North Carolina	25	33	12	11	21	17	32	13	23	24	16	21	11	8
South Carolina	23	11	14	12	10	14	24	21	11	18	9	20	—	—
Georgia	24	19	22	10	25	22	32	21	17	29	25	40	—	—
Florida	21	10	15	5	20	5	36	21	25	13	7	4	—	—
EAST SOUTH CENTRAL	151	80	76	63	98	74	90	114	100	82	72	72	17	10
Kentucky	47	16	28	17	27	27	35	41	44	29	29	24	7	2
Tennessee	35	25	18	11	23	11	16	24	18	19	8	14	—	—
Alabama	33	18	13	16	30	22	24	27	19	19	23	20	—	—
Mississippi	38	21	17	19	18	14	15	22	19	15	12	14	10	8
WEST SOUTH CENTRAL	144	88	83	61	135	95	185	147	112	92	75	69	10	7
Arkansas	47	22	12	15	22	18	29	31	14	20	5	13	1	—
Louisiana	29	24	14	8	32	12	36	29	33	21	21	14	—	—
Oklahoma	32	12	35	15	41	25	52	32	27	17	21	11	9	7
Texas	36	30	22	23	40	40	68	55	38	34	30	31	—	—
MOUNTAIN	54	30	32	25	55	31	81	21	63	32	54	34	—	2
Montana	10	3	9	6	15	4	17	3	14	11	17	4	—	—
Idaho	11	1	6	4	9	4	14	4	7	2	5	6	—	—
Wyoming	2	1	1	2	4	2	8	1	3	2	1	1	—	—
Colorado	16	15	8	8	13	16	25	6	20	10	19	14	—	—
New Mexico	5	1	—	3	6	3	8	1	9	1	2	5	—	—
Arizona	4	4	5	1	5	1	5	2	3	3	5	—	—	1
Utah	4	3	3	1	—	—	1	2	5	3	3	4	—	1
Nevada	2	2	—	—	3	1	3	2	2	—	2	—	—	—
PACIFIC	136	98	90	66	103	71	181	135	149	110	135	88	5	4
Washington	35	18	24	17	21	17	45	25	28	17	25	18	—	—
Oregon	21	21	9	9	15	10	24	16	30	14	19	5	—	—
California	80	59	57	40	67	44	112	94	91	79	91	65	5	4



TABLE 86.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY DURATION OF HOSPITAL LIFE, BY MENTAL DISORDER: 1939

(Median not shown where number of deaths is less than 100)

MENTAL DISORDER	All deaths	DURATION OF HOSPITAL LIFE					
		Less than 1 month	1-3 months	4-6 months	7-11 months	1 year	2 years
Total	1,170	199	200	85	93	142	75
With psychosis	978	114	151	78	82	126	71
General paresis	125	10	26	11	12	23	11
With other forms of syphilis of the C.N.S.	271	20	39	25	22	41	20
With epidemic encephalitis	18	1	5	1		1	
With other infectious diseases	3		1		1		
Alcoholic	21	7	2	1		2	2
Due to drugs and other exogenous poisons	1	1					
Traumatic	4		1	1	1		
With cerebral arteriosclerosis	122	17	29	15	15	19	12
With other disturbances of circulation	58	13	11	5		5	
With convulsive disorders	24	1	2	1	1	2	3
Senile	36	2	4	3	6	5	2
Involuntary psychoses	6			3	1	1	
Due to other metabolic, etc., diseases	24	11	6	1	1	2	1
Due to new growth	7	1	2		1	2	
With organic changes of the nervous system	44		7	4	4	6	4
Psychoneuroses	3	2				1	
Manic-depressive	30	8	1	3	6	3	3
Dementia præcox (schizophrenia)	162	9	9	6	10	10	12
Paranoia and paranoid conditions	2					1	
With psychopathic personality							
With mental deficiency	8	1			1	2	
Other, undiagnosed, and unknown	29	10	8	2	1		1
Without psychosis	192	85	49	7	11	16	4
Epilepsy	4	1				2	
Mental deficiency							
Alcoholism	2		1				
Drug addiction	1	1					
Personality disorders due to epidemic encephalitis							
Psychopathic personality							
Primary behavior disorders							
Other, unclassified, and unknown	185	85	48	7	11	14	4

MENTAL DISORDER	DURATION OF HOSPITAL LIFE—Continued					Median duration of hospital life
	3-4 years	5-9 years	10-19 years	20 years and over	Un-known	
Total	117	117	96	4	42	11.3 mos.
With psychosis	110	111	94	4	37	1 yr. 4.3 mos.
General paresis	15	10	5		2	1 yr. 1.3 mos.
With other forms of syphilis of the C.N.S.	32	36	21		15	1 yr. 6.4 mos.
With epidemic encephalitis	2	6	4			
With other infectious diseases	1					
Alcoholic	3	3			1	
Due to drugs and other exogenous poisons						
Traumatic		1				
With cerebral arteriosclerosis	8	5	3		3	7.2 mos.
With other disturbances of circulation	3	2	1			
With convulsive disorders	4	6	2		2	
Senile	6	5	2		1	
Involuntary psychoses		1				
Due to other metabolic, etc., diseases	1				1	
Due to new growth					1	
With organic changes of the nervous system	12	6	1			
Psychoneuroses						
Manic-depressive	1	1	2		2	
Dementia præcox (schizophrenia)	19	29	51	4	3	5 yrs. 9.3 mos.
Paranoia and paranoid conditions						
With psychopathic personality						
With mental deficiency	3		1			
Other, undiagnosed, and unknown			1		6	
Without psychosis	7	6	2		5	1.5 mos.
Epilepsy		1				
Mental deficiency						
Alcoholism					1	
Drug addiction						
Personality disorders due to epidemic encephalitis						
Psychopathic personality						
Primary behavior disorders						
Other, unclassified, and unknown	7	5	2		4	

TABLE 87.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SELECTED PRIMARY CAUSE OF DEATH: 1939

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH	All deaths	WITH PSYCHOSIS										
			Total	General paresis	With other forms of syphilis of the C.N.S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
1-44	All causes-----	1,170	978	128	271	18	3	21	1	4	122	38	24
	I.—Infectious and parasitic diseases-----	538	491	117	251	15	3	3	---	---	6	---	2
15	Tuberculosis of the respiratory system, etc.-----	111	84	---	2	1	2	3	---	---	2	---	1
27	Dysentery-----	---	---	116	---	---	---	---	---	---	---	---	---
30	Syphilis-----	395	380	116	249	---	---	---	---	---	3	---	---
30b	General paralysis of the insane-----	347	347	115	228	---	---	---	---	---	1	---	---
30c	Other syphilis of the C.N.S.-----	25	24	1	20	---	---	---	---	---	---	---	---
30a, d-g	All others-----	23	9	---	1	---	---	---	---	---	2	---	---
35	Influenza-----	3	3	---	---	---	---	---	---	---	1	---	---
37	Acute infectious encephalitis (lethargic)-----	15	15	1	---	14	---	---	---	---	---	---	1
	All others-----	14	9	1	---	---	1	---	---	---	---	---	---
45-57	II.—Cancer and other tumors-----	52	36	3	4	---	---	---	---	---	1	1	2
46	Cancer of the digestive organs, peritoneum-----	23	14	---	4	---	---	---	---	---	1	---	1
	All others-----	29	22	3	---	---	---	---	---	---	---	1	---
58-71	III.—Rheumatism, diseases of nutrition, etc.-----	22	15	---	---	---	---	---	---	---	2	---	---
61	Diabetes mellitus-----	14	8	---	---	---	---	---	---	---	2	---	---
69	Pellagra (except alcoholism)-----	5	4	---	---	---	---	---	---	---	---	---	---
	All others-----	3	3	---	---	---	---	---	---	---	---	---	---
72-76	IV.—Diseases of the blood, etc.-----	4	3	---	---	---	---	---	---	---	---	---	---
73	Anemias (except splenic anemia)-----	2	1	---	---	---	---	---	---	---	---	---	---
	All others-----	2	2	---	---	---	---	---	---	---	---	---	---
77-79	V.—Chronic poisoning and intoxication-----	2	1	---	---	---	---	---	1	---	---	---	---
77	Alcoholism-----	2	1	---	---	---	---	1	---	---	---	---	---
	All others-----	---	---	---	---	---	---	---	---	---	---	---	---
80-89	VI.—Diseases of the nervous system, etc.-----	115	103	---	3	1	---	---	3	1	25	8	10
85	Intracranial lesions of vascular origin-----	65	56	---	---	---	---	---	2	---	24	8	2

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TABLE 87.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SELECTED PRIMARY CAUSE OF DEATH: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH	WITH PSYCHOSIS—Continued										With out psychosis <sup>1</sup>		
		Senile	Involuntal psychoses	Due to other metabolic, etc.	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality		With mental deficiency	Other, undiagnosed, and unknown
1-44	All causes-----	36	6	24	7	44	3	30	162	2	-----	8	29	192
	I.—Infectious and parasitic diseases-----	5	-----	9	-----	6	2	4	58	1	-----	3	6	47
13	Tuberculosis of the respiratory system, etc.-----	-----	-----	8	-----	4	1	3	52	1	-----	2	2	27
27	Dysentery-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
30	Syphilis-----	2	-----	1	-----	2	1	1	2	-----	-----	1	2	15
30b	General paralysis of the insane-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
30c	Other syphilis of the C.N.S.-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
30a,d-g	All others-----	2	-----	1	-----	2	-----	1	1	-----	-----	1	1	1
35	Influenza-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
37	Acute infectious encephalitis (lethargic)-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	All others-----	2	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	-----	5
45-57	II.—Cancer and other tumors-----	2	-----	1	7	2	-----	3	9	-----	-----	-----	-----	16
46	Cancer of the digestive organs, peritoneum-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	All others-----	1	-----	1	7	2	-----	2	4	-----	-----	-----	-----	9
58-71	III.—Rheumatism, diseases of nutrition, etc.-----	-----	-----	7	-----	1	-----	-----	3	-----	-----	-----	2	7
61	Diabetes mellitus-----	-----	-----	2	-----	1	-----	-----	2	-----	-----	-----	-----	6
69	Pellagra (except alcoholism)-----	-----	-----	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	1
	All others-----	-----	-----	1	-----	-----	-----	-----	1	-----	-----	-----	-----	1
72-76	IV.—Diseases of the blood, etc.-----	1	-----	-----	-----	1	-----	-----	1	-----	-----	-----	-----	1
75	Anemias (except splenic anemia)-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	1
	All others-----	1	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	1
77-79	V.—Chronic poisoning and intoxication-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
77	Alcoholism-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	All others-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
80-89	VI.—Diseases of the nervous system, etc.-----	3	1	-----	-----	21	-----	7	18	-----	-----	-----	2	12
83	Intracranial lesions of vascular origin-----	3	1	-----	-----	5	-----	1	9	-----	-----	-----	1	9



TABLE 88.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER AND RACE: 1939

MENTAL DISORDER AND RACE	All ages	AGE (IN YEARS)													Un- known			
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74		75-79	80-84	85 and over
Total	1,170		1	1	1	2	48	323	330	168	59	82	55	38	11	6	16	31
White	898		1			2	39	256	240	128	52	77	52	36	10	6	16	5
All other	272			1			9	87	90	40	6	5	3	2	1			28
With psychosis	978					2	42	265	270	138	48	75	53	34	10	6	16	19
White	844					2	35	225	227	120	44	73	50	34	10	6	16	2
All other	134						7	40	45	18	4	2	3					17
General paresis	125						3	36	42	22	5	5	1	1	1			9
White	85						2	28	25	18	4	5	1	1	1			
All other	42						1	10	17	4	1							9
With other forms of syphilis of the C.N.S.	271						14	90	82	48	11	15	7	2				2
White	217						9	71	66	39	10	13	6	2				1
All other	54					1	5	19	16	9	1	2	1					1
With epidemic encephalitis	18						1	5	9	5			1					
White	16					1	1	2	8	5			1					
All other	2							1	1									
With other infectious diseases	3							1	2									
White	2							1	1									
All other	1								1									
Alcoholic	21							6	4	3	3	4		1				
White	21							6	4	3	3	4		1				
All other																		
Due to drugs and other exogenous poisons	1									1								
White	1									1								
All other																		
Traumatic	4							2		1	1							
White	4							2		1	1							
All other																		
With cerebral arteriosclerosis	122						1	6	8	14	7	27	25	18	4	5	7	
White	120						1	5	8	13	7	27	25	18	4	5	7	
All other	2							1		1								



TABLE 88.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER AND RACE: 1939—Continued

MENTAL DISORDER AND RACE	All ages	AGE (IN YEARS)														Un- known		
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79		80-84	85 and over
		With psychosis—Continued	8							1	3	3			1			
White	6								3	2				1				
All other	2								1	1								
Other, undiagnosed, and unknown	29							10	9	3	2						5	
White	21							8	9	3	1						5	
All other	8							2	2	1	1						12	
Without psychosis	192		1	1				6	58	60	10	7	2	4	1			
White	54		1	1				4	11	13	8	4	2	2			1	
All other	138							2	47	47	22	3	2	2	1		11	
Epilepsy	4							1			3							
White	4							1			3							
All other																		
Mental deficiency																		
White																		
All other																		
Alcoholism	2									1								
White	2									1								
All other																		
Drug addiction	1									1								
White	1									1								
All other																		
Personality disorders due to epidemic encephalitis																		
White																		
All other																		
Psychopathic personality																		
White																		
All other																		
Primary behavior disorders																		
White																		
All other																		
Other, unclassified, and unknown	185			1	1			3	56	59	27	10	7	2	4	1		
White	47			1	1			1	11	12	5	8	4	2	2		1	
All other	138							2	47	47	22	2	3	2	2	1	11	



TABLE 89.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH AND RACE: 1959

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH AND RACE	All ages	AGE (IN YEARS)													Un- known			
			15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79		80-84	85 and over	
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74		75-79	80-84	85 and over
	All causes	1,170			1	1	2	48	323	350	168	58	82	55	58	11	6	16	31
	White	898					39	256	240	128	52	77	52	52	36	10	6	16	8
	All other	272		1	1		9	87	90	40	6	5	5	5	2	1			28
1-44	I.—Infectious and parasitic diseases	538		1					176	84	16	21	12	12	5	2			14
	White	398		1			19	131	129	65	15	19	10	4	2				1
	All other	140					6	50	46	19	1	2	2	1					13
15	Tuberculosis of the respiratory system, etc.	111							41	9	3	1	3						2
	White	88					7	34	51	6	3	1	3						1
	All other	23						10	10										1
27	Dysentery																		
	White																		
	All other																		
30	Syphilis	395							127	124	72	12	19	7	5	1			11
	White	284					17	90	88	56	11	17	5	4	1				1
	All other	111					6	37	36	16	1	2	2	1					10
30b	General paralysis of the insane	347							116	111	60	12	15	5	2	1			10
	White	284					15	88	84	49	11	13	4	2	1				1
	All other	63					4	28	27	11	1	2	1						9
30c	Other syphilis of the C.N.S.	25					1	5	7	7		2	1	1					1
	White	15						2	2	5		2	1	1					
	All other	12					1	3	5	2									1
30a,d-g	All others	25					1	6	6	5		2	1	2					
	White	7							2	2		2	2	1					
	All other	18					1	6	4	3				1					
33	Influenza	5							1							1			
	White	5							1							1			
	All other																		
37	Acute infectious encephalitis (lethargic)	15							4	5	3								
	White	14					1	1	5	5	3								
	All other	1							1										
	All others	14							5	5									1
	White	11							3	5									1
	All other	3							2										

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TABLE 89.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH AND RACE: 1939—Con.

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH AND RACE	All ages	AGE (IN YEARS)														Un-known	
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79		80-84
45-57	II.—Cancer and other tumors White All other	52 42 10				1 1		2 2	15 11	9 7 2	9 6 5	7 7	6 6 2	2 2				1 1
46	Cancer of the digestive organs, peritoncus White All other	25 17 6						1 1	5 2	1 1	7 4 3	5 5 4	4 4 2					
	All others	29			1			1	12	8	2	2	2					1
	White	25			1			1	10	7	2	2	2					1
	All other	4							2	1								
58-71	III.—Rheumatism, diseases of nutrition, etc. White All other	22 16 6						2 1	6 5 1	7 5 2	3 1 2			1 1 2				1 1
61	Diabetes mellitus White All other	14 11 5						1 1	2 2	5 3	2 1			1 1 2				1 1
69	Pellagra (except alcoholism) White All other	5 2 5						1 2	3 2		1							
	All others	5						1	1									
	White	5						1	1									
	All other																	
72-76	IV.—Diseases of the blood, etc. White All other	4 5 1							1 1	1 1								
75	Anemia (except splenic anemia) White All other	2 1 1								1								1 1
	All others	2							1									
	White	2							1									
	All other																	
77-79	V.—Chronic poisoning and intoxication White All other	2 1 1							1									1 1
	White	2							1									1
	All other	1																

MENTAL DISEASE

77	Alcoholism-----	2																				
	White-----	1																				
	All other-----	1																				
	All others-----																					
	White-----																					
	All other-----																					
80-89	VI.—Diseases of the nervous system, etc.---	115																				
	White-----	101																				
	All other-----	14																				
85	Intracranial lesions of vascular origin-----	65																				
	White-----	55																				
	All other-----	12																				
84a	Mental deficiency-----																					
	White-----																					
	All other-----																					
84b	Schizophrenia (dementia praecox)-----	7																				
	White-----	7																				
	All other-----																					
84c	Manic-depressive psychosis-----	5																				
	White-----	5																				
	All other-----																					
84d	Other mental diseases-----	1																				
	White-----																					
	All other-----																					
85	Epilepsy-----	9																				
	White-----	9																				
	All other-----																					
	All others-----																					
	White-----	28																				
	All other-----	27																				
	All other-----	1																				
90-103	VII.—Diseases of the circulatory system-----	214																				
	White-----	185																				
	All other-----	29																				
92	Chronic affections of the valves, endocardium-----	18																				
	White-----	18																				
	All other-----																					
95	Diseases of the myocardium-----	112																				
	White-----	88																				
	All other-----	24																				
94	Diseases of the coronary arteries, angina pectoris-----	39																				
	White-----	38																				
	All other-----	1																				

TABLE 89.—DEATHS OF PATIENTS IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH AND RACE: 1939—Con.

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH AND RACE	All ages	AGE (IN YEARS)															Un- known						
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		85 and over					
90-105	VII.—Diseases of the circulatory system—Continued																							
97	Arteriosclerosis.....	29								2							8	4	5	1	3			
	White.....	29								2							8	4	5	1	3			
	All other.....																							
	All others.....	16							2	4	5	2												
	White.....	12							1	3	4	2	2											
	All other.....	4							1	1	1	1												
104-114	VIII.—Diseases of the respiratory system																							
	White.....	66							2	22	20	7	5	6	2	1								1
	All other.....	52							2	16	13	7	5	6	2	1								2
	White.....	14								6	7	3	6	2	1									1
	All other.....																							
107	Bronchopneumonia (including capillary bronchitis).....	30							2	9	6	4	1	4	2									1
	White.....	25							2	6	5	4	1	4	2									1
	All other.....	5								3	1													
108	Lobar pneumonia.....	19								7	8	2	1											1
	White.....	14								6	4	2	1											1
	All other.....	5								1	4													
111	Hemorrhagic infarction, thrombosis, edema, etc.....	3								1							1							
	White.....	2															1							
	All other.....	1								1														
	All others.....	14								5	6	1	1	1	1									
	White.....	11								4	4	1	1	1										
	All other.....	3								1	2													
115-129	IX.—Diseases of the digestive system																							
	White.....	45								14	14	4	3	4	5	1								
	All other.....	57								11	11	5	2	4	5	1								
	White.....	8								3	3	1	1											
	All other.....																							
120	Diarrhea, enteritis, etc.....	1																						
	White.....	1																						
	All other.....																							
122	Hernia and intestinal obstruction.....	8								1	2	1	1	2	1									
	White.....	6								1	2		1	2	1									
	All other.....	2																						
	All others.....	36								13	12	2	2	2	4	1								
	White.....	50								10	9	2	2	2	4	1								
	All other.....	6								3	5													

150-159	I.—Diseases of the genito-urinary system	71																					
	White	51	21	14	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	40	8	11	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
151	Chronic nephritis	51	15	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	23	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	28	10	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
140-180	All others	20	6	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	6	2	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	12	4	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
151-153	XI.—Diseases of pregnancy, childbirth, etc.																						
	White																						
	All other																						
154-156	XII.—Diseases of the skin and cellular tissue	1																					
	White	1																					
	All other																						
157	XIII.—Diseases of the bones, etc.																						
	White																						
	All other																						
158-161	XIV.—Congenital malformations																						
	White																						
	All other																						
162	XV.—Diseases peculiar to the first year of life	1																					
	White	1																					
	All other																						
165-196	XVI.—Violent or accidental deaths	32	12	7	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	30	10	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165-164	Suicide	5	2	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	5	2	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other																						
199-200	All others	27	10	6	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	25	8	6	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	XVIII.—Ill-defined and unknown causes	7		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White																						
	All other	7		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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TABLE 90.—ADMINISTRATIVE STAFF, BY OCCUPATION, AND EXPENDITURES, BY PURPOSE OF EXPENDITURE, IN VETERANS' ADMINISTRATION HOSPITALS FOR MENTAL DISEASE: 1939

OCCUPATION	Number	PURPOSE OF EXPENDITURE	Amount
All employees <sup>1</sup> -----	10,764	Total expenditures-----	\$20,446,513
Superintendents-----	27	Operation and maintenance-----	19,575,050
Assistant physicians <sup>1</sup> -----	296	Salaries and wages-----	15,194,254
Clinical assistants-----	41	Purchased provisions-----	3,479,744
Psychologists and psychometrists-----	9	Fuel, light, and water-----	1,061,550
Dentists-----	40	Other-----	1,859,522
Pharmacists-----	27	Additions, improvements, and other expenditures-----	871,285
Graduate nurses-----	1,145	Average daily resident patient population-----	27,953
Other nurses and attendants-----	4,819	Per capita expenditure for maintenance-----	\$700.28
Occupational therapists-----	189		
Industrial supervisors and instructors-----	2		
Social workers-----	51		
Stewards-----	22		
Clerical employees-----	784		
All other employees-----	5,352		
Average daily resident patient population-----	27,953		
Number of patients per employee-----	2.6		

<sup>1</sup>No medical internes reported.

#### COUNTY AND CITY HOSPITALS

Ten States reported patients in residence in county and city hospitals in 1939. In some of the States the proportion of total hospitalized patients that were in county and city hospitals was small, but in New Jersey, Pennsylvania, Wisconsin, Iowa, and Missouri they comprised a sizable proportion of all the hospitalized mentally ill. Patients in these public hospitals, probably in all cases partly State supported, should be considered as complementing the State hospital population.

In general, there are two types of county and city hospitals. (1) In Iowa and Wisconsin, whose institutions are largely representative of one type, a patient who is in acute need of intensive therapy is admitted first to a State hospital. If after a period of time it is evident that his condition remains unimproved, and that he will be hospitalized for a long period, he is sent to a county hospital. In Wisconsin it is planned that a patient have the benefit of 1 year's residence in a State hospital before being transferred to a county hospital. County hospitals in these States cared for continued-treatment or chronic patients. (2) In other States, some or all of the county or city hospitals function precisely as a State hospital. In these instances they draw their patient population in general from a well-defined area. They may be partly State and partly county or city supported, admitting voluntary patients freely. In many such hospitals a high per capita expenditure and an able administration have resulted in a superior organization.

Of the 35,702 patients on books of county and city hospitals at the end of the year, 32,463 were in hospitals and 3,239 were on parole or otherwise absent. In the entire country there was a larger number of admissions (9,270) than of separations (7,990) during the year. In some States the patient turn-over was small.

Nearly 92 percent of all patients in residence were diagnosed as with psychosis. These proportions may be compared with 96.6 percent, the proportion of psychotic patients in State hospitals. Patients without psychosis were most frequently diagnosed as with mental deficiency (male 830, female 936) and with epilepsy (male 211, female 200), while alcoholism was also responsible for the hospitalization of a large number of male patients (154).

The median age of all male patients resident at the end of the year was 51.4 years, as compared with 51.9 years for females.

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TABLE 91.—MOVEMENT OF PATIENT POPULATION IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ON BOOKS AT BEGINNING OF YEAR			ADMISSIONS						
	Total	In hospital	On parole or otherwise absent	Total	First admissions	Readmissions	Transfers			
United States	54,422	31,485	2,939	9,270	6,715	1,153	1,404			
MIDDLE ATLANTIC	17,035	15,041	1,992	4,926	4,157	655	114			
New Jersey	6,325	5,548	777	2,608	2,325	266	17			
Pennsylvania	10,708	9,493	1,215	2,318	1,832	589	97			
EAST NORTH CENTRAL	11,196	10,602	594	2,795	1,466	216	1,111			
Ohio	619	619	—	586	544	42	—			
Michigan	11	11	—	255	222	33	—			
Wisconsin	10,566	9,972	594	1,952	700	141	1,111			
WEST NORTH CENTRAL	5,110	4,809	301	725	451	133	161			
Iowa	1,259	1,256	3	225	80	5	140			
Missouri	3,851	3,553	298	500	351	128	21			
SOUTH ATLANTIC	64	61	3	319	236	85	—			
Maryland	64	61	3	319	236	85	—			
EAST SOUTH CENTRAL	459	456	25	200	149	39	12			
Tennessee	459	456	25	200	149	39	12			
PACIFIC	560	534	26	507	274	27	6			
California	560	534	26	507	274	27	6			
	SEPARATIONS						ON BOOKS AT END OF YEAR			
	Total	Discharges			Transfers	Deaths		Total	In hospital	On parole or otherwise absent
		Total	Direct from hospital	While on parole		In hospital	While on parole			
United States	7,990	4,117	2,376	1,741	1,215	2,594	64	35,702	52,465	3,239
MIDDLE ATLANTIC	4,351	2,561	1,322	1,239	337	1,414	39	17,608	15,456	2,152
New Jersey	2,476	1,565	1,193	572	238	647	26	6,457	5,661	796
Pennsylvania	1,875	996	129	667	99	767	13	11,151	9,795	1,356
EAST NORTH CENTRAL	2,217	924	684	240	563	714	16	11,772	11,066	679
Ohio	636	427	427	—	115	94	—	569	569	—
Michigan	249	95	95	—	140	14	—	17	17	—
Wisconsin	1,332	402	162	240	308	606	16	11,186	10,607	679
WEST NORTH CENTRAL	624	311	155	156	35	272	6	5,211	4,866	345
Iowa	155	49	48	1	28	75	3	1,329	1,320	9
Missouri	469	262	107	155	7	197	3	3,682	3,546	336
SOUTH ATLANTIC	328	109	100	9	211	8	—	55	51	4
Maryland	328	109	100	9	211	8	—	55	51	4
EAST SOUTH CENTRAL	170	109	25	86	1	58	2	489	461	28
Tennessee	170	109	25	86	1	58	2	489	461	28
PACIFIC	300	108	92	11	68	128	1	567	536	31
California	300	108	92	11	68	128	1	567	536	31

TABLE 92.—MALE RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	
All male patients <sup>1</sup>	16,250	48	129	452	852	1,142	1,408	1,555	
With psychosis	14,994	14	86	592	754	1,052	1,283	1,230	
General paresis	1,125	1	9	8	25	59	136	161	
With other forms of syphilis of the C.N.S.	176	1	1	4	5	9	14	22	
With epidemic encephalitis	64	1	1	5	12	9	6	7	
With other infectious diseases	26			1	1	1		1	
Alcoholic	751				12	22	29	42	
Due to drugs and other exogenous poisons	13			1				3	
Traumatic	109	1	1	2	7	4	5	8	
With cerebral arteriosclerosis	812							1	
With other disturbances of circulation	58					1	6	1	
With convulsive disorders	305	2	11	16	27	37	27	32	
Senile	975					1	1	2	
Involuntary psychoses	215				1	1	5	11	
Due to other metabolic, etc., diseases	65	1		2	3	1	5	5	
Due to new growth	5				2	1		1	
With organic changes of the nervous system	125		5	5	6	7	9	8	
Psychoneuroses	102	2	2	8	5	6	7	7	
Manic-depressive	1,341		3	14	26	55	73	83	
Dementia praecox (schizophrenia)	6,160	1	28	252	487	673	769	604	
Paranoia and paranoid conditions	578			2	8	15	38	47	
With psychopathic personality	161		6	5	10	10	14	24	
With mental deficiency	1,148	4	17	69	114	109	155	119	
Other, undiagnosed, and unknown	722		2	2	5	11	6	42	
Without psychosis	1,356	34	43	60	96	110	125	125	
Epilepsy	211	4	3	13	11	15	22	17	
Mental deficiency	850	29	35	44	73	75	76	74	
Alcoholism	154				5	8	15	23	
Drug addiction	6					2			
Personality disorders due to epidemic encephalitis	12				1	2	2	3	
Psychopathic personality	37		2	2	3	3	7	3	
Primary behavior disorders	4		1						
Other, unclassified, and unknown	82	1	2	1	5	5	3	5	

	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
All male patients <sup>1</sup>	1,525	1,710	1,719	1,470	1,145	1,851	1,426	51.4
With psychosis	1,397	1,608	1,610	1,379	1,078	1,777	1,254	52.0
General paresis	168	172	159	90	54	29	54	49.1
With other forms of syphilis of the C.N.S.	22	24	23	19	14	7	11	50.9
With epidemic encephalitis	8	8		4	2	1		
With other infectious diseases	6	4	2	3	2	4	1	
Alcoholic	85	101	128	111	87	79	55	57.2
Due to drugs and other exogenous poisons		3	1	1	2	1		
Traumatic	10	15	17	16	12	10	3	55.6
With cerebral arteriosclerosis	8	31	89	164	167	309	41	67.7
With other disturbances of circulation	2	8	5	8	1	6		
With convulsive disorders	32	39	29	21	15	15	6	44.6
Senile		6	24	79	140	658	64	70*
Involuntary psychoses	15	23	39	53	26	18	45	59.0
Due to other metabolic, etc., diseases	10	8	12	8	5	5	2	
Due to new growth		1						
With organic changes of the nervous system	15	11	19	18	7	7	12	52.5
Psychoneuroses	9	18	16	8	3	11	2	51.7
Manic-depressive	126	182	195	184	150	140	52	56.1
Dementia praecox (schizophrenia)	664	689	588	401	263	274	467	45.2
Paranoia and paranoid conditions	62	67	95	81	57	52	52	56.2
With psychopathic personality	15	14	18	17	9	8	13	47.3
With mental deficiency	109	131	105	66	45	54	71	45.8
Other, undiagnosed, and unknown	33	53	48	47	39	91	343	
Without psychosis	128	102	109	91	65	74	172	44.5
Epilepsy	22	11	14	16	6	8	49	43.6
Mental deficiency	82	59	60	42	36	34	111	41.9
Alcoholism	22	20	20	18	11	10	2	50.8
Drug addiction		1	2	1				
Personality disorders due to epidemic encephalitis		2	1		1			
Psychopathic personality	1	3	3	3	2	2	3	
Primary behavior disorders				1		2		
Other, unclassified, and unknown	1	6	9	10	9	18	7	

<sup>1</sup>Excluding data for certain hospitals in Wisconsin and Iowa not reported by sex, see footnote to table 94.



MENTAL DISEASE

TABLE 93.—FEMALE RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All female patients <sup>1</sup>	16,020	14	125	582	694	945	1,244	1,480
With psychosis	14,727	8	95	509	604	844	1,120	1,556
General paresis	404	5	2	11	15	29	55	86
With other forms of syphilis of the C.N.S.	95	—	—	2	4	10	12	10
With epidemic encephalitis	29	—	1	1	5	3	7	5
With other infectious diseases	19	—	—	—	3	2	3	1
Alcoholic	115	—	—	—	4	2	6	15
Due to drugs and other exogenous poisons	10	—	—	—	1	1	—	—
Traumatic	25	—	1	1	1	1	1	2
With cerebral arteriosclerosis	717	—	1	—	—	—	—	1
With other disturbances of circulation	23	—	—	—	—	—	—	2
With convulsive disorders	291	1	14	27	30	35	54	32
Senile	1,068	—	—	—	—	—	1	1
Involuntional psychoses	474	—	—	1	2	5	8	25
Due to other metabolic, etc., diseases	81	—	—	2	3	4	8	12
Due to new growth	—	—	—	—	—	—	—	—
With organic changes of the nervous system	95	—	4	2	5	5	5	9
Psychoneuroses	156	—	2	7	9	11	19	19
Manic-depressive	2,200	—	9	23	58	95	151	198
Dementia praecox (schizophrenia)	6,377	—	36	175	357	515	619	735
Paranoia and paranoid conditions	714	—	—	2	2	14	41	47
With psychopathic personality	115	—	3	4	11	4	7	12
With mental deficiency	1,158	4	21	48	90	106	147	160
Other, undiagnosed, and unknown	587	—	1	3	6	7	13	17
Without psychosis	1,295	6	28	73	90	101	124	124
Epilepsy	200	—	2	11	19	15	17	7
Mental deficiency	958	6	20	59	60	67	90	104
Alcoholism	18	—	—	—	3	3	—	5
Drug addiction	6	—	—	—	2	—	1	—
Personality disorders due to epidemic encephalitis	7	—	—	1	—	3	2	—
Psychopathic personality	53	—	2	1	3	1	8	2
Primary behavior disorders	7	—	3	—	—	—	1	—
Other, unclassified, and unknown	86	—	1	1	5	11	6	8

	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
All female patients <sup>1</sup>	1,788	1,826	1,631	1,466	1,180	1,975	1,272	51.9
With psychosis	1,646	1,710	1,532	1,370	1,124	1,694	1,115	52.4
General paresis	78	47	48	19	14	13	13	46.6
With other forms of syphilis of the C.N.S.	11	6	15	10	6	5	8	—
With epidemic encephalitis	2	4	1	—	—	—	—	—
With other infectious diseases	3	2	2	—	—	1	—	—
Alcoholic	17	9	16	17	12	12	5	55.9
Due to drugs and other exogenous poisons	1	—	1	3	1	1	—	—
Traumatic	3	—	2	3	2	5	3	—
With cerebral arteriosclerosis	11	35	77	156	160	267	50	67.6
With other disturbances of circulation	2	3	5	4	3	5	—	—
With convulsive disorders	29	26	21	19	12	11	—	40.7
Senile	3	4	31	90	169	702	65	70+
Involuntional psychoses	66	102	82	67	41	51	46	55.4
Due to other metabolic, etc., diseases	15	10	10	7	5	3	2	—
Due to new growth	—	—	—	—	—	—	—	—
With organic changes of the nervous system	8	16	8	15	7	6	5	—
Psychoneuroses	16	23	15	15	5	11	6	47.5
Manic-depressive	288	299	313	233	215	279	61	54.5
Dementia praecox (schizophrenia)	851	865	655	524	310	317	440	48.2
Paranoia and paranoid conditions	96	102	98	82	85	112	50	57.0
With psychopathic personality	14	18	7	10	11	6	8	49.5
With mental deficiency	144	114	97	70	45	45	49	44.0
Other, undiagnosed, and unknown	18	29	37	44	23	66	323	—
Without psychosis	142	116	99	96	86	81	157	45.8
Epilepsy	14	15	10	13	13	13	53	45.9
Mental deficiency	115	95	78	67	32	50	93	45.7
Alcoholism	—	1	1	4	2	—	1	—
Drug addiction	2	—	—	1	—	—	—	—
Personality disorders due to epidemic encephalitis	—	—	—	1	—	—	—	—
Psychopathic personality	1	3	4	2	1	3	2	—
Primary behavior disorders	1	—	—	1	—	—	—	—
Other, unclassified, and unknown	9	4	6	7	8	15	9	—

<sup>1</sup>Excluding data for certain hospitals in Wisconsin and Iowa not reported by sex, see footnote to table 94.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 94.—RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All resident patients	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. N. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States (male) <sup>1</sup>	16,250	14,894	1,125	176	64	26	731	15	109	812	38	305
MIDDLE ATLANTIC	7,688	7,592	611	82	40	18	515	9	73	325	27	207
New Jersey	2,559	2,477	169	25	22	5	151	2	19	167	2	20
Pennsylvania	5,129	4,915	442	57	18	15	364	7	54	158	25	187
EAST NORTH CENTRAL <sup>1</sup>	5,718	5,064	207	38	19	5	175	2	29	376	7	60
Ohio	298	297	51	8	5	—	52	—	—	20	2	—
Michigan	15	12	—	—	—	—	—	1	1	—	—	1
Wisconsin <sup>1</sup>	5,407	4,755	176	30	14	5	143	1	28	356	5	59
WEST NORTH CENTRAL <sup>1</sup>	2,241	1,958	279	45	4	5	21	—	2	45	5	20
Iowa <sup>1</sup>	618	557	25	4	—	2	6	—	2	11	3	15
Missouri	1,623	1,401	254	41	4	3	15	—	—	34	—	5
SOUTH ATLANTIC	55	54	1	—	—	—	5	—	—	—	—	—
Maryland	55	54	1	—	—	—	5	—	—	—	—	—
EAST SOUTH CENTRAL	256	216	25	2	—	—	2	1	—	21	—	12
Tennessee	256	216	25	2	—	—	2	1	—	21	—	12
PACIFIC	512	250	2	9	1	—	13	1	5	45	1	6
California	512	250	2	9	1	—	13	1	5	45	1	6
United States (female) <sup>1</sup>	16,020	14,727	404	95	29	19	113	10	25	717	25	291
MIDDLE ATLANTIC	7,848	7,600	178	55	15	14	88	7	10	559	20	255
New Jersey	3,182	5,116	71	31	8	9	29	—	3	225	3	30
Pennsylvania	4,666	4,484	107	22	7	5	59	7	7	114	17	205
EAST NORTH CENTRAL <sup>1</sup>	5,194	4,527	126	11	10	3	21	2	15	284	2	56
Ohio	271	266	14	5	4	1	6	1	1	17	—	2
Michigan	4	3	1	—	—	—	—	—	—	1	—	1
Wisconsin <sup>1</sup>	4,919	4,258	111	8	6	2	15	1	12	266	2	33
WEST NORTH CENTRAL <sup>1</sup>	2,513	2,209	85	25	2	2	3	1	1	58	1	8
Iowa <sup>1</sup>	590	518	5	4	—	2	1	—	—	2	—	7
Missouri	1,923	1,691	80	21	2	—	2	1	1	56	1	1
SOUTH ATLANTIC	16	13	2	—	—	—	—	—	—	—	—	—
Maryland	16	13	2	—	—	—	—	—	—	—	—	—
EAST SOUTH CENTRAL	225	206	11	1	—	—	—	—	—	11	—	4
Tennessee	225	206	11	1	—	—	—	—	—	11	—	4
PACIFIC	224	172	2	5	2	—	1	—	1	25	—	10
California	224	172	2	5	2	—	1	—	1	25	—	10

<sup>1</sup>Excluding data for some hospitals, not reported by sex: Wisconsin total resident patients reported, 185; with psychosis, 137; without psychosis, 46. Iowa total resident patients reported, 112; with psychosis, 96; without psychosis, 16.

TABLE 94.—RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntional psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States (male) <sup>1</sup>	975	215	65	5	125	102	1,241	6,160	576	161	1,148	722
MIDDLE ATLANTIC	427	105	37	1	55	37	752	3,214	167	64	517	109
New Jersey	99	25	4	—	10	19	234	1,184	85	41	150	46
Pennsylvania	328	80	33	1	45	18	518	2,050	82	23	367	63
EAST NORTH CENTRAL <sup>1</sup>	320	89	14	2	34	45	343	2,008	323	57	491	422
Ohio	65	5	2	—	6	9	12	47	11	3	38	1
Michigan	1	—	—	—	—	—	—	5	2	—	1	—
Wisconsin <sup>1</sup>	254	84	12	2	28	36	331	1,956	510	54	452	421
WEST NORTH CENTRAL <sup>1</sup>	148	20	8	1	8	18	132	798	77	28	123	175
Iowa <sup>1</sup>	33	11	6	—	—	12	55	104	20	14	75	159
Missouri	115	9	2	1	8	6	77	694	57	14	48	14
SOUTH ATLANTIC	—	—	—	—	—	—	—	25	—	1	2	—
Maryland	—	—	—	—	—	—	—	25	—	1	2	—
EAST SOUTH CENTRAL	10	—	1	—	3	—	10	102	—	2	8	17
Tennessee	10	—	1	—	3	—	10	102	—	2	8	17
PACIFIC	70	1	5	1	25	2	4	13	9	9	7	1
California	70	1	5	1	25	2	4	13	9	9	7	1
United States (female) <sup>1</sup>	1,066	474	81	—	93	156	2,200	6,377	714	115	1,138	587
MIDDLE ATLANTIC	521	255	59	—	33	54	1,405	5,475	222	47	514	60
New Jersey	185	89	22	—	7	18	606	1,437	153	25	126	39
Pennsylvania	336	164	37	—	26	36	799	2,038	69	22	388	21
EAST NORTH CENTRAL <sup>1</sup>	271	177	13	—	32	74	527	1,742	330	41	460	332
Ohio	47	36	2	—	12	14	42	55	5	1	22	1
Michigan	—	—	—	—	—	—	—	—	—	—	—	—
Wisconsin <sup>1</sup>	224	141	11	—	20	60	485	1,707	325	40	458	331
WEST NORTH CENTRAL <sup>1</sup>	182	41	5	—	15	27	238	1,037	148	21	129	160
Iowa <sup>1</sup>	27	13	3	—	4	16	71	98	22	13	63	167
Missouri	155	28	2	—	11	11	167	939	126	8	66	15
SOUTH ATLANTIC	—	—	—	—	—	—	—	10	—	—	1	—
Maryland	—	—	—	—	—	—	—	10	—	—	1	—
EAST SOUTH CENTRAL	21	2	1	—	2	—	28	103	1	1	7	13
Tennessee	21	2	1	—	2	—	28	103	1	1	7	13
PACIFIC	71	1	3	—	11	1	2	10	13	5	7	2
California	71	1	3	—	11	1	2	10	13	5	7	2

<sup>1</sup>Excluding data for some hospitals, not reported by sex: Wisconsin total resident patients reported, 183; with psychosis, 137; without psychosis, 46. Iowa total resident patients reported, 112; with psychosis 96; without psychosis, 16.

TABLE 94.—RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States (male) <sup>1</sup>	1,556	211	850	154	6	12	57	4	82
MIDDLE ATLANTIC	296	7	169	66	4	7	15	—	28
New Jersey	82	—	58	19	—	6	4	—	15
Pennsylvania	214	7	151	47	4	1	11	—	13
EAST NORTH CENTRAL <sup>1</sup>	654	150	454	50	—	1	9	2	28
Ohio	1	1	—	—	—	—	—	—	—
Michigan	1	—	—	1	—	—	—	—	—
Wisconsin <sup>1</sup>	652	129	454	29	—	1	9	2	28
WEST NORTH CENTRAL <sup>1</sup>	285	62	155	51	1	2	5	2	25
Iowa <sup>1</sup>	61	6	25	8	—	—	5	2	17
Missouri	222	56	170	45	1	2	2	—	8
SOUTH ATLANTIC	1	1	—	—	—	—	—	—	—
Maryland	1	1	—	—	—	—	—	—	—
EAST SOUTH CENTRAL	20	1	16	1	1	—	—	—	1
Tennessee	20	1	16	1	1	—	—	—	1
PACIFIC	82	10	56	6	—	2	8	—	—
California	82	10	56	6	—	2	8	—	—
United States (female) <sup>1</sup>	1,295	200	956	18	6	7	53	7	86
MIDDLE ATLANTIC	248	10	208	1	2	5	7	4	15
New Jersey	66	2	50	1	—	1	4	1	7
Pennsylvania	182	8	158	—	2	2	5	5	6
EAST NORTH CENTRAL <sup>1</sup>	667	126	482	5	2	1	15	1	37
Ohio	5	4	1	—	—	—	—	—	—
Michigan	1	—	—	1	—	—	—	—	—
Wisconsin <sup>1</sup>	661	122	481	4	2	1	15	1	37
WEST NORTH CENTRAL <sup>1</sup>	504	60	192	7	2	2	5	2	34
Iowa <sup>1</sup>	72	6	55	—	—	—	5	1	27
Missouri	232	52	159	7	2	2	2	1	7
SOUTH ATLANTIC	5	—	1	—	—	—	1	—	1
Maryland	5	—	1	—	—	—	1	—	1
EAST SOUTH CENTRAL	19	—	16	1	—	—	2	—	—
Tennessee	19	—	16	1	—	—	2	—	—
PACIFIC	52	4	37	4	—	1	5	—	1
California	52	4	37	4	—	1	5	—	1

<sup>1</sup>Excluding data for some hospitals, not reported by sex; Wisconsin total resident patients reported, 185; with psychosis, 157; without psychosis, 46. Iowa total resident patients reported, 112; with psychosis, 96; without psychosis, 16.

MENTAL DISEASE

TABLE 95.—RESIDENT PATIENTS AT THE END OF THE YEAR IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)													
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known
United States (male) <sup>1</sup>	16,280	48	129	452	852	1,142	1,408	1,355	1,525	1,710	1,719	1,470	1,145	1,051	1,426
MIDDLE ATLANTIC	7,668	9	76	292	502	658	806	750	809	905	884	714	510	778	35
New Jersey	2,559	5	16	90	165	196	279	225	259	288	305	255	166	292	22
Pennsylvania	5,129	6	60	202	339	442	529	505	550	615	579	459	344	486	13
EAST NORTH CENTRAL <sup>1</sup>	5,718	5	27	92	208	304	567	410	486	517	519	477	440	716	1,150
Ohio	298	5	6	18	21	21	25	25	26	24	32	25	21	55	4
Michigan	13	—	1	2	1	3	1	1	—	—	—	—	1	1	—
Wisconsin <sup>1</sup>	5,407	2	20	72	188	280	545	386	459	495	487	453	418	662	1,146
WEST NORTH CENTRAL <sup>1</sup>	2,241	5	15	47	107	172	195	182	199	246	259	209	146	259	204
Iowa <sup>1</sup>	618	—	—	5	5	18	24	22	57	58	65	50	44	109	206
Missouri	1,625	5	15	44	102	154	169	180	162	208	194	159	102	150	1
SOUTH ATLANTIC	55	—	—	1	1	2	9	4	6	2	5	—	2	5	—
Maryland	55	—	—	1	1	2	9	4	6	2	5	—	2	5	—
EAST SOUTH CENTRAL	256	—	9	17	27	18	24	21	14	24	16	17	12	20	17
Tennessee	256	—	9	17	27	18	24	21	14	24	16	17	12	20	17
PACIFIC	312	31	2	5	7	8	7	8	11	18	36	55	55	75	20
California	312	31	2	5	7	8	7	8	11	18	36	55	55	75	20
United States (female) <sup>1</sup>	16,020	14	125	582	994	945	1,244	1,480	1,768	1,826	1,651	1,466	1,180	1,975	1,272
MIDDLE ATLANTIC	7,648	8	89	214	415	556	688	793	945	968	881	684	597	959	31
New Jersey	3,182	1	20	64	125	168	249	312	370	416	372	502	264	478	21
Pennsylvania	4,466	7	69	150	290	388	439	481	575	572	509	382	333	481	10
EAST NORTH CENTRAL <sup>1</sup>	5,194	—	21	104	165	241	339	407	540	505	454	464	551	606	999
Ohio	271	—	7	18	25	19	25	21	30	31	22	20	18	56	1
Michigan	4	—	1	—	—	1	—	—	—	2	—	—	—	—	—
Wisconsin <sup>1</sup>	4,919	—	15	86	140	221	516	386	510	470	452	444	555	570	998
WEST NORTH CENTRAL <sup>1</sup>	2,515	2	9	49	87	127	186	234	275	300	256	265	187	518	220
Iowa <sup>1</sup>	590	—	2	5	7	10	30	39	39	44	45	55	35	85	216
Missouri	1,925	2	7	44	80	117	156	195	234	258	211	250	154	255	4
SOUTH ATLANTIC	16	—	—	5	2	1	4	2	1	2	—	—	—	1	—
Maryland	16	—	—	5	2	1	4	2	1	2	—	—	—	1	—
EAST SOUTH CENTRAL	225	1	1	6	16	15	20	29	20	22	20	17	22	25	15
Tennessee	225	1	1	6	16	15	20	29	20	22	20	17	22	25	15
PACIFIC	224	5	5	6	9	7	7	15	9	11	20	36	25	66	7
California	224	5	5	6	9	7	7	15	9	11	20	36	25	66	7

<sup>1</sup> Excluding data for some hospitals not reported by sex: Wisconsin, 183; Iowa, 112.

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 96.—RESIDENT PATIENTS WITH PSYCHOSIS, AT THE END OF THE YEAR, IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)													
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown
United States (male) <sup>1</sup>	14,894	14	86	392	754	1,032	1,285	1,250	1,397	1,608	1,610	1,579	1,078	1,777	1,254
MIDDLE ATLANTIC	7,392	5	57	269	476	609	763	694	784	882	866	692	497	765	33
New Jersey	2,477	1	14	67	160	191	264	218	250	281	299	242	162	266	22
Pennsylvania	4,915	4	43	182	316	418	499	476	534	601	567	450	335	479	11
EAST NORTH CENTRAL <sup>1</sup>	5,064	4	15	78	173	256	316	349	413	465	470	459	407	683	996
Ohio	297	3	6	16	21	21	23	23	26	24	31	23	21	53	4
Michigan	12	—	1	2	1	5	—	1	1	—	—	1	1	1	—
Wisconsin <sup>1</sup>	4,755	1	8	58	151	232	295	325	386	441	459	415	385	629	992
WEST NORTH CENTRAL <sup>1</sup>	1,958	1	8	31	79	146	170	157	174	225	225	183	150	235	194
Iowa <sup>1</sup>	557	—	—	2	4	17	22	19	32	35	56	46	39	92	195
Missouri	1,401	1	8	29	75	129	148	158	142	190	169	137	91	145	1
SOUTH ATLANTIC	34	—	—	1	1	2	9	4	5	2	5	—	2	5	—
Maryland	34	—	—	1	1	2	9	4	5	2	5	—	2	5	—
EAST SOUTH CENTRAL	216	—	6	12	23	15	24	21	14	22	14	17	12	19	17
Tennessee	216	—	6	12	23	15	24	21	14	22	14	17	12	19	17
PACIFIC	230	4	—	1	2	4	1	5	7	12	30	48	30	72	14
California	230	4	—	1	2	4	1	5	7	12	30	48	30	72	14
United States (female) <sup>1</sup>	14,727	8	95	509	604	844	1,120	1,556	1,846	1,710	1,532	1,370	1,124	1,894	1,115
MIDDLE ATLANTIC	7,600	3	72	194	369	529	670	772	917	966	862	664	588	945	31
New Jersey	3,116	1	18	60	123	161	245	304	380	410	566	298	259	470	21
Pennsylvania	4,484	2	54	134	266	348	425	468	537	556	496	366	329	473	10
EAST NORTH CENTRAL <sup>1</sup>	4,527	—	19	77	132	198	269	343	462	443	407	417	325	575	660
Ohio	266	—	7	18	25	18	21	21	30	31	21	20	17	36	1
Michigan	5	—	1	—	—	—	—	—	—	2	—	—	—	—	—
Wisconsin <sup>1</sup>	4,256	—	11	59	107	180	248	322	432	410	386	397	308	539	659
WEST NORTH CENTRAL <sup>1</sup>	2,209	2	3	29	67	99	158	208	240	271	229	242	172	285	204
Iowa <sup>1</sup>	518	—	2	5	5	8	29	35	30	37	38	32	30	67	200
Missouri	1,691	2	1	24	62	91	129	173	210	234	191	210	142	218	4
SOUTH ATLANTIC	13	—	—	2	1	1	4	2	1	2	—	—	—	—	—
Maryland	13	—	—	2	1	1	4	2	1	2	—	—	—	—	—
EAST SOUTH CENTRAL	206	—	—	5	13	13	17	25	19	22	18	17	19	23	15
Tennessee	206	—	—	5	13	13	17	25	19	22	18	17	19	23	15
PACIFIC	172	3	1	2	2	4	2	6	7	6	16	30	20	68	5
California	172	3	1	2	2	4	2	6	7	6	16	30	20	68	5

<sup>1</sup>Excluding data for some hospitals not reported by sex; Wisconsin, 157; Iowa, 96.

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There were 4,007 male and 2,706 female first admissions during the year. A much smaller proportion of all reported first admissions (5.8 percent) than of resident patients (8.3 percent) were diagnosed as without psychosis. Alcoholism without psychosis was responsible for a large proportion of male first admissions (2.2 percent)—much larger than the proportion (0.9 percent) of resident patients.

Senile psychosis and cerebral arteriosclerosis combined, comprised a larger proportion of first admissions, 21.3 percent, than dementia praecox, 15.2 percent. These proportions may be compared with the corresponding percentages among State hospital first admissions, 21.7 for senile dementia and cerebral arteriosclerosis combined, and 20.5 for dementia praecox.

The median age on first admissions of male patients (48.8 years) was lower than the median age of male resident patients (51.4 years), as was the case among females (with a median age of 47.1 years for first admissions, 51.9 years for resident patients), because many patients in some county hospitals are never discharged and remain hospitalized until they die. The median ages on first admissions of patients with dementia praecox and manic-depressive psychosis were 29.1 years and 46.5 years, respectively, for males, and 33.9 years and 38.6 years, respectively, for females.

Readmissions (1,153) constituted approximately 17.0 percent of first admissions (6,713). This was a smaller proportion than in State hospitals because the proportion of discharged patients, which constitutes the source of readmissions, was so much smaller. Of readmissions, 8.5 percent (98 patients) were diagnosed as without psychosis.

The number of discharges (4,117) was more than 50 percent higher than the number of deaths in hospitals reported during the year (2,594). More than twice as many patients were discharged in improved condition (1,527, or 37.1 percent) as in recovered condition (596). A large number of discharged patients were included in the category unclassified and unknown, since some hospitals were not able to evaluate the mental status of the patient on discharge.

For each 100 psychotic patients admitted, 50.4 were discharged during the course of the year. In certain diagnoses the rate of discharge was higher. They were psychosis with psychopathic personality (90.2), psychoneuroses (78.9), alcoholic psychosis (69.5), manic-depressive psychosis (67.3), traumatic psychosis (66.7), psychosis due to "other metabolic, etc., diseases" (63.1), psychosis due to drugs and other exogenous poisons (56.3), and involuntional psychoses (54.2).

The rate for all patients discharged with condition recovered was 8.1 per 100 admissions. By single psychosis the rate of discharge as recovered was highest for alcoholic psychosis (32.8). The rate of discharge for all patients improved was 20.7 per 100 admissions; psychosis with psychopathic personality was responsible for the highest rate (57.4). Since discharge rates were not computed for patients in conditions reported as unclassified and unknown, the sum of the rates for conditions recovered, improved, and unimproved does not equal the total rate reported in table 104.

There were 2,594 deaths of patients in county and city hospitals for mental disease. The largest number of deaths were of patients with senile psychosis (684) and with cerebral arteriosclerosis (491).

The median duration of hospital life of male patients in county and city hospitals was 1 year 10.1 months as compared with 2 years 3.8 months for female patients. The median age at death of male patients was 66.6 years as compared with 68.5 years for female patients. Median duration of hospital life and median age at death have been computed only for those clinical diagnoses in which the total number of deaths exceeded 100.

More detailed information dealing with deaths in county and city hospitals has been combined with data for State hospitals for mental disease. Tables reporting the distribution of clinical diagnoses by detailed cause of death and sex, as well as the distribution of clinical diagnoses by age, race, and sex, and of selected cause of death by age, race, and sex have been incorporated in the section dealing with all hospitals (tables 37, 39, and 40).

TABLE 97.—MALE FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All Ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All male patients	4,007	14	110	194	264	241	282	211
With psychosis	3,782	8	95	180	243	225	261	193
General paresis	325		3	4	15	37	61	53
With other forms of syphilis of the C.N.S.	61		1	3	1	4	9	3
With epidemic encephalitis	15			1	2	4	2	1
With other infectious diseases	9			1	2	1	1	1
Alcoholic	271			5	11	30	41	35
Due to drugs and other exogenous poisons	20			1	4		2	2
Traumatic	25			1	5	1	1	
With cerebral arteriosclerosis	549				1			
With other disturbances of circulation	23							3
With convulsive disorders	65	2	8	8	6	9	2	2
Senile	441							1
Involuntary psychoses	27							2
Due to other metabolic, etc., diseases	20	1	1		1	1	2	1
Due to new growth	7							2
With organic changes of the nervous system	26	1			2		2	4
Psychoneuroses	61	1	6	11	5	8	8	5
Manic-depressive	223		2	11	22	25	22	22
Dementia praecox (schizophrenia)	555		52	112	138	73	71	33
Paranoia and paranoid conditions	63				5	5	10	6
With psychopathic personality	21		5	4	5	3	2	1
With mental deficiency	102	3	15	13	16	17	8	9
Other, undiagnosed, and unknown	1,073		2	5	2	7	8	5
Without psychosis	225	6	15	14	21	16	21	18
Epilepsy	15	1	1	2	2	2	2	
Mental deficiency	47	4	7	7	6	3	2	4
Alcoholism	90				6	7	13	12
Drug addiction	10				2	3	2	
Personality disorders due to epidemic encephalitis	2							
Psychopathic personality	22		3	3	3			1
Primary behavior disorders	4		2		1			
Other, unclassified, and unknown	35	1	2	2	1	1	2	1

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un- known	
All male patients	200	219	227	227	213	535	1,061	46.8
With psychosis	195	204	212	218	205	521	1,024	49.5
General paresis	45	40	27	17	16	6	1	44.0
With other forms of syphilis of the C.N.S.	11	7	11	5	4	2		
With epidemic encephalitis	2	1		1	1			
With other infectious diseases	2			1				
Alcoholic	46	31	29	20	15	6	2	46.4
Due to drugs and other exogenous poisons		3	4	1	2	1		
Traumatic	5	2	5	4	2	1		
With cerebral arteriosclerosis	6	18	37	70	74	141	2	67.8
With other disturbances of circulation	1	4	5	4	3	1		
With convulsive disorders	4	4	2	4	2	3		
Senile		1	7	34	58	333	7	70+
Involuntary psychoses	3	8	9	3	2			
Due to other metabolic, etc., diseases		4	2	1	2	3	1	
Due to new growth	1	1		2	1			
With organic changes of the nervous system		3	3	3	2	1		
Psychoneuroses	3	8	3		2	1		
Manic-depressive	20	36	22	24	9	5	3	46.5
Dementia praecox (schizophrenia)	25	18	17	4	6	4	2	29.1
Paranoia and paranoid conditions	8	7	11	7	1	1		
With psychopathic personality	1							
With mental deficiency	4	4	7	4	1	1		51.2
Other, undiagnosed, and unknown	6	4	6	9	2	11	1,006	
Without psychosis	16	15	15	9	8	14	37	40.5
Epilepsy		1	1	1	1			
Mental deficiency	2	2	1	2	1	4	2	
Alcoholism	11	9	5	4	5	2	16	
Drug addiction	1	2						
Personality disorders due to epidemic encephalitis								
Psychopathic personality	1		2	1	1	1	6	
Primary behavior disorders							1	
Other, unclassified, and unknown	1	1	6	1		7	9	



MENTAL DISEASE

TABLE 98.—FEMALE FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All female patients	2,706	8	90	156	190	238	206	206
With psychosis	2,545	6	72	138	175	221	190	191
General paresis	106	1	4	4	4	14	16	15
With other forms of syphilis of the C.N.S.	28					4	8	3
With epidemic encephalitis	6			1	2			1
With other infectious diseases	7		1		3			1
Alcoholic	46				5	8	4	8
Due to drugs and other exogenous poisons	23				2	4	3	2
Traumatic	8		1	2	1	1		1
With cerebral arteriosclerosis	276				2	1		2
With other disturbances of circulation	26			1		3		1
With convulsive disorders	47		3	8	7	8	5	3
Senile	366							
Involuntional psychoses	133					2	2	25
Due to other metabolic, etc., diseases	42		1	3	1	8	4	4
Due to new growth	2		1					
With organic changes of the nervous system	15		1		1	1		2
Psychoneuroses	90	1	4	7	8	16	16	9
Manic-depressive	331		14	29	40	51	44	41
Dementia praecox (schizophrenia)	465	1	28	70	85	64	64	52
Paranoia and paranoid conditions	40			1	1	4	5	5
With psychopathic personality	23		4	2	4	4	4	1
With mental deficiency	79	3	6	7	6	19	10	8
Other, undiagnosed, and unknown	386		4	3	5	9	5	7
Without psychosis	161	2	18	18	15	17	16	15
Epilepsy	17		1	4	1	2	1	2
Mental deficiency	66	1	12	8	8	5	6	6
Alcoholism	22			1	3	3	2	4
Drug addiction	3					1		1
Personality disorders due to epidemic encephalitis	5				1	1		
Psychopathic personality	14		2	2		3	3	1
Primary behavior disorders	2		2					
Other, unclassified, and unknown	34	1	1	3	2	2	4	1

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
All female patients	188	193	162	155	143	412	359	47.1
With psychosis	173	188	156	149	140	406	340	46.2
General paresis	17	15	7	6	5			45.3
With other forms of syphilis of the C.N.S.	1	4	4	1	1	1	1	
With epidemic encephalitis		2						
With other infectious diseases		2						
Alcoholic	7	6	2	4	1	1		
Due to drugs and other exogenous poisons	4	1	1	4		2		
Traumatic			1	1				
With cerebral arteriosclerosis	6	25	33	47	58	103	1	67.0
With other disturbances of circulation	3	1	3	9	1	4		
With convulsive disorders	6	1	4		1	1		
Senile	1	1	9	31	47	272	5	70+
Involuntional psychoses	35	31	27	9	1		1	50.3
Due to other metabolic, etc., diseases	5	2	4	4	5	1		
Due to new growth						1		
With organic changes of the nervous system	1	4	2			2	1	
Psychoneuroses	6	15	6	2				
Manic-depressive	31	31	21	16	10	3		36.6
Dementia praecox (schizophrenia)	36	30	21	7	7	2		33.9
Paranoia and paranoid conditions	6	7	7	1	1	2		
With psychopathic personality		3			1			
With mental deficiency	6	6	2	2		4		
Other, undiagnosed, and unknown	2	3	2	5	3	7	331	
Without psychosis	15	5	6	6	3	6	19	35.3
Epilepsy		1	1	2		1	1	
Mental deficiency	5	1	2	2	2	1	7	
Alcoholism	5	2	1		1		2	
Drug addiction	1							
Personality disorders due to epidemic encephalitis	1							
Psychopathic personality	1					1	1	
Primary behavior disorders								
Other, unclassified, and unknown	4	1	2	2		3	8	

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 99.—FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All first admissions	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. N. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States (male)	4,007	5,782	325	61	15	9	271	20	25	549	25	65
MIDDLE ATLANTIC	2,605	2,501	178	40	10	6	140	15	20	208	17	58
New Jersey	1,500	1,456	41	12	5	—	41	2	4	122	4	8
Pennsylvania	1,105	1,045	157	28	7	6	99	11	16	86	15	50
EAST NORTH CENTRAL	799	756	74	7	5	2	69	2	4	71	5	15
Ohio	287	280	54	4	1	2	40	—	1	14	4	2
Michigan	154	120	7	—	—	—	15	2	2	4	—	10
Wisconsin	398	356	55	5	2	—	16	—	1	55	1	5
WEST NORTH CENTRAL	251	228	59	8	1	—	16	1	—	11	—	5
Iowa	53	41	1	—	—	—	—	—	—	2	—	1
Missouri	198	187	58	8	1	—	16	1	—	9	—	4
SOUTH ATLANTIC	119	109	16	—	—	1	55	2	1	6	—	2
Maryland	119	109	16	—	—	1	55	2	1	6	—	2
EAST SOUTH CENTRAL	89	80	17	2	—	—	4	1	—	16	—	2
Tennessee	89	80	17	2	—	—	4	1	—	16	—	2
PACIFIC	144	128	1	4	1	—	9	1	—	37	1	5
California	144	128	1	4	1	—	9	1	—	37	1	5
United States (female)	2,706	2,545	106	28	6	7	46	25	8	276	26	47
MIDDLE ATLANTIC	1,552	1,490	47	18	4	2	26	9	5	169	19	28
New Jersey	825	799	17	9	1	1	8	—	1	102	6	7
Pennsylvania	727	691	50	9	5	1	18	9	4	67	15	21
EAST NORTH CENTRAL	667	656	27	2	1	4	11	11	2	65	2	10
Ohio	277	275	9	1	—	4	8	10	2	16	—	5
Michigan	88	80	4	—	—	—	1	1	—	5	1	4
Wisconsin	302	281	14	1	1	—	2	—	—	42	1	5
WEST NORTH CENTRAL	180	167	15	4	1	1	1	—	—	15	—	2
Iowa	27	26	—	—	—	1	—	—	—	1	—	—
Missouri	153	141	15	4	1	—	1	—	—	12	—	2
SOUTH ATLANTIC	117	97	15	—	—	—	5	2	—	8	2	1
Maryland	117	97	15	—	—	—	5	2	—	8	2	1
EAST SOUTH CENTRAL	60	54	5	—	—	—	2	1	—	6	—	—
Tennessee	60	54	5	—	—	—	2	1	—	6	—	—
PACIFIC	150	101	1	4	—	—	1	—	1	17	5	6
California	150	101	1	4	—	—	1	—	1	17	5	6

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TABLE 99.—FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntional psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States (male)-----	441	27	20	7	26	61	225	555	63	21	102	1,073
MIDDLE ATLANTIC-----	250	15	8	3	15	18	145	551	19	7	60	984
New Jersey-----	58	3	4	2	1	10	46	102	5	3	15	972
Pennsylvania-----	172	10	4	1	14	8	97	229	14	4	47	12
EAST NORTH CENTRAL-----	112	11	8	1	5	54	51	185	80	6	19	72
Ohio-----	27	6	2	—	2	28	22	54	11	3	3	—
Michigan-----	9	—	5	1	—	1	13	30	12	3	3	5
Wisconsin-----	76	5	1	—	3	5	16	51	7	—	13	67
WEST NORTH CENTRAL-----	36	2	2	—	4	6	14	45	6	5	13	12
Iowa-----	11	—	—	—	—	2	5	4	—	—	4	11
Missouri-----	25	2	2	—	4	4	9	41	8	5	9	1
SOUTH ATLANTIC-----	2	—	—	—	1	3	6	31	3	—	2	—
Maryland-----	2	—	—	—	1	3	6	31	3	—	2	—
EAST SOUTH CENTRAL-----	11	—	—	—	—	—	8	12	—	1	1	5
Tennessee-----	11	—	—	—	—	—	8	12	—	1	1	5
PACIFIC-----	50	1	2	3	1	—	1	1	3	2	7	—
California-----	50	1	2	3	1	—	1	1	3	2	7	—
United States (female)-----	366	133	42	2	15	90	351	465	40	23	79	386
MIDDLE ATLANTIC-----	187	46	23	1	7	18	201	290	12	8	45	325
New Jersey-----	86	15	11	—	2	8	78	114	9	—	9	315
Pennsylvania-----	101	31	12	1	5	10	123	176	3	8	36	10
EAST NORTH CENTRAL-----	84	76	11	—	1	50	96	93	15	11	20	46
Ohio-----	13	55	5	—	—	40	60	32	5	8	4	—
Michigan-----	9	1	5	—	—	1	13	21	5	3	2	4
Wisconsin-----	62	20	1	—	1	9	23	40	5	—	14	42
WEST NORTH CENTRAL-----	32	7	6	—	4	15	13	34	4	1	4	10
Iowa-----	9	—	1	—	1	1	—	2	—	—	—	10
Missouri-----	23	7	5	—	3	14	13	32	4	1	4	—
SOUTH ATLANTIC-----	6	—	—	—	1	7	12	31	3	1	3	—
Maryland-----	6	—	—	—	1	7	12	31	3	1	3	—
EAST SOUTH CENTRAL-----	7	3	—	—	1	—	9	17	—	—	—	5
Tennessee-----	7	3	—	—	1	—	9	17	—	—	—	5
PACIFIC-----	50	1	2	1	1	—	—	—	4	2	7	—
California-----	50	1	2	1	1	—	—	—	4	2	7	—

TABLE 99.—FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States (male).....	225	15	47	90	10	2	22	4	55
MIDDLE ATLANTIC.....	104	5	18	41	7	2	11	1	19
New Jersey.....	44	2	4	18	—	2	6	—	12
Pennsylvania.....	60	3	14	23	7	—	5	1	7
EAST NORTH CENTRAL.....	65	6	17	27	2	—	4	3	4
Ohio.....	7	—	—	3	—	—	—	—	4
Michigan.....	14	2	2	8	1	—	1	—	—
Wisconsin.....	42	4	15	16	1	—	3	3	—
WEST NORTH CENTRAL.....	23	—	—	8	1	—	5	—	9
Iowa.....	12	—	—	6	—	—	2	—	4
Missouri.....	11	—	—	2	1	—	3	—	5
SOUTH ATLANTIC.....	10	1	4	4	—	—	—	—	1
Maryland.....	10	1	4	4	—	—	—	—	1
EAST SOUTH CENTRAL.....	9	1	—	6	—	—	—	—	2
Tennessee.....	9	1	—	6	—	—	—	—	2
PACIFIC.....	16	2	8	4	—	—	2	—	—
California.....	16	2	8	4	—	—	2	—	—
United States (female).....	161	17	66	22	5	5	14	2	54
MIDDLE ATLANTIC.....	62	4	31	5	—	5	4	2	15
New Jersey.....	28	1	9	5	—	—	2	—	11
Pennsylvania.....	36	5	22	2	—	5	2	2	2
EAST NORTH CENTRAL.....	31	6	9	9	1	—	3	—	5
Ohio.....	2	—	—	—	—	—	—	—	2
Michigan.....	8	1	2	3	—	—	2	—	—
Wisconsin.....	21	5	7	6	1	—	1	—	1
WEST NORTH CENTRAL.....	13	2	2	2	2	—	1	—	4
Iowa.....	1	1	—	—	—	—	—	—	—
Missouri.....	12	1	2	2	2	—	1	—	4
SOUTH ATLANTIC.....	20	2	—	2	—	—	6	—	10
Maryland.....	20	2	—	2	—	—	6	—	10
EAST SOUTH CENTRAL.....	6	—	1	2	—	—	—	—	5
Tennessee.....	6	—	1	2	—	—	—	—	5
PACIFIC.....	29	5	25	2	—	—	—	—	1
California.....	29	5	25	2	—	—	—	—	1

MENTAL DISEASE

TABLE 100.—FIRST ADMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)													
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known
United States (male)	4,007	14	110	194	264	241	282	211	209	219	227	227	213	535	1,061
MIDDLE ATLANTIC	2,605	5	61	106	155	128	149	106	122	125	114	133	107	296	998
New Jersey	1,500	1	18	28	43	24	44	25	40	40	32	48	44	118	995
Pennsylvania	1,105	4	43	78	112	104	105	81	82	85	82	85	63	178	3
EAST NORTH CENTRAL	799	2	26	56	61	67	76	66	54	48	62	41	55	136	49
Ohio	267	1	13	23	34	29	35	20	27	16	21	11	18	16	5
Michigan	134	—	3	12	11	14	13	13	10	15	8	9	10	16	—
Wisconsin	398	1	10	21	16	24	30	33	17	17	33	21	27	104	44
WEST NORTH CENTRAL	251	—	10	18	20	22	20	21	15	16	19	23	17	41	11
Iowa	53	—	—	—	1	—	2	3	5	4	3	5	5	14	11
Missouri	198	—	10	18	19	22	18	18	8	12	16	18	12	27	—
SOUTH ATLANTIC	119	2	5	12	14	12	23	6	10	13	7	2	4	9	—
Maryland	119	2	5	12	14	12	23	6	10	13	7	2	4	9	—
EAST SOUTH CENTRAL	89	—	5	1	11	9	9	5	6	10	10	3	7	10	3
Tennessee	89	—	5	1	11	9	9	5	6	10	10	3	7	10	3
PACIFIC	144	5	3	1	3	3	5	7	4	7	15	25	23	43	—
California	144	5	3	1	3	3	5	7	4	7	15	25	23	43	—
United States (female)	2,706	8	90	156	190	238	206	206	186	193	162	155	143	412	559
MIDDLE ATLANTIC	1,552	1	51	77	101	114	100	112	84	93	89	87	84	231	328
New Jersey	825	1	14	25	25	36	38	50	29	41	39	33	46	126	324
Pennsylvania	727	—	37	52	78	78	62	62	55	52	50	54	38	105	4
EAST NORTH CENTRAL	667	—	22	51	51	65	60	64	65	61	39	42	33	99	17
Ohio	277	—	14	29	31	31	32	28	28	33	20	14	7	10	—
Michigan	88	—	1	6	5	11	10	12	6	11	2	5	8	11	—
Wisconsin	302	—	7	16	15	23	18	24	29	17	17	23	18	78	17
WEST NORTH CENTRAL	180	—	6	5	14	23	17	11	22	13	18	10	8	23	10
Iowa	27	—	—	—	1	—	1	—	2	2	3	—	2	6	10
Missouri	153	—	6	5	13	23	16	11	20	11	15	10	6	17	—
SOUTH ATLANTIC	117	3	6	13	15	24	15	3	9	10	4	4	5	6	—
Maryland	117	3	6	13	15	24	15	3	9	10	4	4	5	6	—
EAST SOUTH CENTRAL	60	—	2	4	2	8	7	6	4	9	2	1	4	7	4
Tennessee	60	—	2	4	2	8	7	6	4	9	2	1	4	7	4
PACIFIC	130	4	3	6	7	4	7	10	6	7	10	11	9	46	—
California	130	4	3	6	7	4	7	10	6	7	10	11	9	46	—

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## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 101.—FIRST ADMISSIONS WITH PSYCHOSIS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)													
		Un- der 15	15- 19	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70 and over	Un- known
United States (male)	3,782	8	95	180	245	225	261	195	195	204	212	218	205	521	1,024
MIDDLE ATLANTIC	2,501	4	55	101	145	120	140	100	116	119	115	128	106	295	968
New Jersey	1,456	1	18	26	41	24	42	25	36	40	32	47	44	118	980
Pennsylvania	1,045	3	35	75	104	96	98	75	78	79	81	81	62	175	3
EAST NORTH CENTRAL	756	2	22	51	54	65	68	59	50	45	57	59	49	150	47
Ohio	260	1	15	22	34	27	35	19	26	15	20	11	18	16	5
Michigan	120	—	5	11	9	14	11	15	9	14	7	8	7	14	—
Wisconsin	356	1	6	18	11	22	24	27	15	16	30	20	24	100	42
WEST NORTH CENTRAL	228	—	9	17	19	22	18	18	10	14	14	25	17	96	11
Iowa	41	—	—	—	1	—	2	1	2	3	—	5	5	11	11
Missouri	187	—	9	17	18	22	16	17	8	11	14	18	12	25	—
SOUTH ATLANTIC	109	1	5	9	14	12	22	6	8	12	6	1	4	9	—
Maryland	109	1	5	9	14	12	22	6	8	12	6	1	4	9	—
EAST SOUTH CENTRAL	60	—	5	1	9	7	8	5	6	8	8	3	7	10	3
Tennessee	60	—	5	1	9	7	8	5	6	8	8	3	7	10	3
PACIFIC	128	1	1	1	2	1	5	5	3	6	14	24	22	45	—
California	128	1	1	1	2	1	5	5	3	6	14	24	22	45	—
United States (female)	2,545	6	72	138	175	221	190	191	175	188	156	149	140	406	540
MIDDLE ATLANTIC	1,490	1	59	70	95	111	96	110	81	90	87	87	84	228	509
New Jersey	799	1	14	24	28	36	37	49	28	40	38	53	46	125	505
Pennsylvania	691	—	25	46	72	75	61	61	53	50	49	54	38	108	4
EAST NORTH CENTRAL	656	—	22	49	46	61	57	60	59	60	37	37	32	97	17
Ohio	275	—	14	29	31	31	31	28	28	35	20	15	7	10	—
Michigan	60	—	1	5	5	9	9	11	6	10	2	5	7	10	—
Wisconsin	281	—	7	15	12	21	17	21	25	17	15	19	18	77	17
WEST NORTH CENTRAL	167	—	5	5	14	20	15	10	18	12	18	10	7	25	10
Iowa	28	—	—	—	1	—	1	—	2	1	3	—	2	6	10
Missouri	141	—	5	5	13	20	14	10	16	11	15	10	5	17	—
SOUTH ATLANTIC	97	2	5	9	13	20	12	3	6	10	3	4	5	5	—
Maryland	97	2	5	9	13	20	12	3	6	10	3	4	5	5	—
EAST SOUTH CENTRAL	54	—	—	4	2	8	6	3	4	9	2	1	4	7	4
Tennessee	54	—	—	4	2	8	6	3	4	9	2	1	4	7	4
PACIFIC	101	3	1	1	3	1	2	5	5	7	9	10	8	46	—
California	101	3	1	1	3	1	2	5	5	7	9	10	8	46	—

TABLE 102.—READMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All readmissions	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. N. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States (male)	580	515	25	5	5	2	48	2	2	25	2	15
MIDDLE ATLANTIC	351	301	17	2	2	2	25	2	1	12	1	12
New Jersey	151	112	4	1	2	1	12			10		1
Pennsylvania	200	189	13	1		1	13	2	1	2	1	11
EAST NORTH CENTRAL	96	82	1				4		1	1	1	
Ohio	15	14					2					
Michigan	20	16					2		1		1	
Wisconsin	61	62	1							1		
WEST NORTH CENTRAL	77	66		1	1		6			5		5
Iowa	3	3										
Missouri	74	65		1	1		6			3		3
SOUTH ATLANTIC	59	55	4				10					
Maryland	59	55	4				10					
EAST SOUTH CENTRAL	20	16	1							5		
Tennessee	20	16	1							5		
PACIFIC	17	15					5			4		
California	17	15					5			4		
United States (female)	573	542	9	2			19	5	1	14	2	12
MIDDLE ATLANTIC	324	318	5	2			7	1	1	6	1	9
New Jersey	155	155		1			2			6		
Pennsylvania	169	165	5	1			5	1	1	2	1	9
EAST NORTH CENTRAL	120	109	2				5	1		4	1	1
Ohio	27	27					2	1			1	
Michigan	15	12					2					
Wisconsin	80	70	2				1			4		1
WEST NORTH CENTRAL	56	54	2				1	1				
Iowa	2	2					1					
Missouri	54	52	2					1				
SOUTH ATLANTIC	44	36	1				5			1		2
Maryland	44	36	1				5			1		2
EAST SOUTH CENTRAL	19	19	1				1					
Tennessee	19	19	1				1					
PACIFIC	10	6								1		
California	10	6								1		

TABLE 102.—READMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntal psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia: praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States (male)-----	17	2	-----	1	3	10	96	184	16	10	33	18
MIDDLE ATLANTIC-----	14	2	-----	-----	1	6	63	118	3	5	13	-----
New Jersey-----	5	1	-----	-----	-----	5	17	46	1	4	2	-----
Pennsylvania-----	9	1	-----	-----	1	1	46	72	2	1	11	-----
EAST NORTH CENTRAL-----	-----	-----	-----	1	-----	3	17	20	8	1	10	14
Ohio-----	-----	-----	-----	1	-----	2	7	1	-----	1	-----	-----
Michigan-----	-----	-----	-----	-----	-----	-----	1	6	5	-----	-----	-----
Wisconsin-----	-----	-----	-----	-----	-----	1	9	13	3	-----	10	14
WEST NORTH CENTRAL-----	1	-----	-----	-----	-----	1	16	25	1	3	7	-----
Iowa-----	-----	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	-----
Missouri-----	1	-----	-----	-----	-----	1	16	20	1	3	7	-----
SOUTH ATLANTIC-----	-----	-----	-----	-----	1	-----	-----	15	2	-----	2	1
Maryland-----	-----	-----	-----	-----	1	-----	-----	15	2	-----	2	1
EAST SOUTH CENTRAL-----	-----	-----	-----	-----	1	-----	-----	8	-----	-----	1	2
Tennessee-----	-----	-----	-----	-----	1	-----	-----	8	-----	-----	1	2
PACIFIC-----	2	-----	-----	-----	-----	-----	-----	-----	2	1	-----	1
California-----	2	-----	-----	-----	-----	-----	-----	-----	2	1	-----	1
United States (female)-----	30	15	3	-----	1	14	172	188	15	7	26	11
MIDDLE ATLANTIC-----	17	6	2	-----	-----	9	111	117	4	2	14	4
New Jersey-----	8	1	1	-----	-----	6	51	46	1	1	7	2
Pennsylvania-----	9	5	1	-----	-----	3	60	71	3	1	7	2
EAST NORTH CENTRAL-----	5	6	1	-----	-----	3	36	27	5	2	5	5
Ohio-----	2	-----	1	-----	-----	1	15	1	1	2	-----	-----
Michigan-----	1	-----	-----	-----	-----	-----	3	5	1	-----	-----	-----
Wisconsin-----	2	6	-----	-----	-----	2	18	21	3	-----	5	5
WEST NORTH CENTRAL-----	3	2	-----	-----	1	2	12	22	2	1	4	1
Iowa-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----
Missouri-----	3	2	-----	-----	1	2	12	22	2	1	3	1
SOUTH ATLANTIC-----	-----	-----	-----	-----	-----	-----	8	14	1	2	2	-----
Maryland-----	-----	-----	-----	-----	-----	-----	8	14	1	2	2	-----
EAST SOUTH CENTRAL-----	2	-----	-----	-----	-----	-----	5	8	-----	-----	1	1
Tennessee-----	2	-----	-----	-----	-----	-----	5	8	-----	-----	1	1
PACIFIC-----	3	1	-----	-----	-----	-----	-----	-----	1	-----	-----	-----
California-----	3	1	-----	-----	-----	-----	-----	-----	1	-----	-----	-----



MENTAL DISEASE

TABLE 102.—READMISSIONS TO COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States (male)	67	11	15	25	1	1	9	—	7
MIDDLE ATLANTIC	50	2	6	12	1	1	6	—	2
New Jersey	19	1	2	8	—	—	6	—	2
Pennsylvania	11	1	4	4	1	1	—	—	—
EAST NORTH CENTRAL	14	7	—	6	—	—	1	—	—
Ohio	1	—	—	1	—	—	—	—	—
Michigan	4	—	—	4	—	—	—	—	—
Wisconsin	9	7	—	1	—	—	1	—	—
WEST NORTH CENTRAL	11	—	6	5	—	—	1	—	1
Iowa	—	—	—	—	—	—	—	—	—
Missouri	11	—	6	5	—	—	1	—	1
SOUTH ATLANTIC	4	—	1	2	—	—	1	—	—
Maryland	4	—	1	2	—	—	1	—	—
EAST SOUTH CENTRAL	4	—	—	—	—	—	—	—	4
Tennessee	4	—	—	—	—	—	—	—	4
PACIFIC	4	2	2	—	—	—	—	—	—
California	4	2	2	—	—	—	—	—	—
United States (female)	51	6	10	7	5	—	2	—	5
MIDDLE ATLANTIC	6	—	5	1	—	—	1	—	1
New Jersey	2	—	1	1	—	—	—	—	1
Pennsylvania	4	—	2	—	—	—	1	—	1
EAST NORTH CENTRAL	11	4	5	2	2	—	—	—	—
Ohio	—	—	—	—	—	—	—	—	—
Michigan	1	—	—	—	1	—	—	—	—
Wisconsin	10	4	5	2	1	—	—	—	—
WEST NORTH CENTRAL	2	—	1	—	1	—	—	—	—
Iowa	—	—	—	—	—	—	—	—	—
Missouri	2	—	1	—	1	—	—	—	—
SOUTH ATLANTIC	8	2	1	2	—	—	1	—	2
Maryland	8	2	1	2	—	—	1	—	2
EAST SOUTH CENTRAL	—	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—	—
PACIFIC	4	—	2	2	—	—	—	—	—
California	4	—	2	2	—	—	—	—	—

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TABLE 103.—PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY CONDITION ON DISCHARGE AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL DISCHARGES			RECOVERED		IMPROVED		UNIMPROVED		UNCLASSIFIED	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
With psychosis—	5,721	2,215	1,506	511	285	774	755	176	151	952	519
General paresis—	155	108	47	11	4	62	56	12	5	5	4
With other forms of syphilis of the C.W.S.—	21	14	7	1	2	10	4	2	1	1	—
With epidemic encephalitis—	5	5	—	1	—	1	—	5	—	—	—
With other infectious diseases—	8	5	5	—	1	5	5	—	1	—	—
Alcoholic—	267	217	50	105	25	98	26	10	—	6	1
Due to drugs and other exogenous poisons—	27	4	25	2	2	2	18	—	5	—	—
Traumatic—	24	20	4	5	1	15	5	—	—	1	—
With cerebral arteriosclerosis—	114	69	45	5	5	41	26	18	10	7	6
With other disturbances of circula- tion—	15	7	6	1	—	5	5	1	1	—	—
With convulsive disorders—	38	18	20	1	2	14	14	5	5	—	1
Senile—	146	79	67	4	4	54	42	15	19	6	2
Involuntary psychoses—	96	18	78	2	17	12	41	5	17	1	5
Due to other metabolic, etc., diseases—	41	12	29	5	7	4	18	4	5	1	1
Due to new growth—	1	1	—	—	—	1	—	—	—	—	—
With organic changes of the nerv- ous system—	9	6	5	1	—	4	2	1	1	—	—
Psychoneuroses—	138	57	81	11	19	46	55	—	7	—	2
Manic-depressive—	555	197	356	81	138	90	180	20	20	6	18
Dementia praecox (schizophrenia)—	649	350	299	68	46	217	197	48	40	17	16
Paranoia and paranoid conditions—	55	25	26	5	5	16	18	6	6	—	1
With psychopathic personality—	55	26	29	5	4	16	19	5	6	2	—
With mental deficiency—	106	55	55	2	7	52	52	15	5	4	9
Other, undiagnosed, and unknown—	1,202	524	278	5	2	11	16	11	5	897	255
Without psychosis—	596	289	107	—	—	—	—	—	—	—	—
Epilepsy—	29	20	9	—	—	—	—	—	—	—	—
Mental deficiency—	62	55	29	—	—	—	—	—	—	—	—
Alcoholism—	165	140	25	—	—	—	—	—	—	—	—
Drug addiction—	17	8	9	—	—	—	—	—	—	—	—
Personality disorders due to epidemic encephalitis—	4	5	1	—	—	—	—	—	—	—	—
Psychopathic personality—	51	55	16	—	—	—	—	—	—	—	—
Primary behavior disorders—	5	5	2	—	—	—	—	—	—	—	—
Other, unclassified, and unknown—	65	47	16	—	—	—	—	—	—	—	—

TABLE 104.—PATIENTS WITH PSYCHOSIS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, PER 100 ADMISSIONS OF SAME PSYCHOSIS, BY CONDITION ON DISCHARGE: 1939

PSYCHOSIS	All discharges	CONDITION ON DISCHARGE		
		Recovered	Improved	Unimproved
Total—	50.4	8.1	20.7	4.4
General paresis—	55.5	3.2	25.5	5.2
With other forms of syphilis of the C.W.S.—	22.3	5.2	14.9	5.2
With epidemic encephalitis—	20.8	4.2	4.2	12.5
With other infectious diseases—	44.4	5.6	35.5	5.6
Alcoholic—	69.5	32.8	32.5	2.6
Due to drugs and other exogenous poisons—	56.3	8.5	41.7	6.5
Traumatic—	66.7	11.1	50.0	2.8
With cerebral arteriosclerosis—	17.2	0.9	10.1	4.2
With other disturbances of circulation—	24.5	1.9	18.9	3.8
With convulsive disorders—	27.5	2.2	20.1	4.3
Senile—	17.1	0.9	11.2	4.0
Involuntary psychoses—	54.2	10.7	29.9	11.5
Due to other metabolic, etc., diseases—	65.1	15.4	55.8	10.6
Due to new growth—	10.0	—	10.0	—
With organic changes of the nervous system—	20.0	2.2	15.5	4.4
Psychoneuroses—	78.9	17.1	56.6	4.0
Manic-depressive—	67.5	26.6	32.8	4.9
Dementia praecox (schizophrenia)—	46.6	8.2	29.7	6.5
Paranoia and paranoid conditions—	40.2	4.5	25.8	9.1
With psychopathic personality—	90.2	14.8	57.4	14.8
With mental deficiency—	44.2	3.8	26.7	6.3
Other, undiagnosed, and unknown—	80.8	0.5	1.8	1.1

MENTAL DISEASE

TABLE 105.—MALE PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of discharges is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All male patients	2,502	6	49	135	170	162	209	149
With psychosis	2,215	4	35	111	146	138	169	112
General paresis	108	1	1	1	5	7	30	20
With other forms of syphilis of the C.N.S.	14				1		5	5
With epidemic encephalitis	5				1	1	1	
With other infectious diseases	3			1	1			
Alcoholic	217			3	13	25	34	21
Due to drugs and other exogenous poisons	4				1			1
Traumatic	20		1	2		1	1	
With cerebral arteriosclerosis	69							
With other disturbances of circulation	7						1	1
With convulsive disorders	18			3	2	1	5	1
Senile	79							
Involutional psychoses	18							
Due to other metabolic, etc., diseases	12		1		1	1	1	
Due to new growth	1							
With organic changes of the nervous system	6			1	1			
Psychoneuroses	57	1	4	9	7	11	7	5
Manic-depressive	197		4	11	16	17	24	22
Dementia praecox (schizophrenia)	350		18	69	84	57	40	28
Paranoia and paranoid conditions	25					1	5	2
With psychopathic personality	26	1	3	2	2	4	5	1
With mental deficiency	53	1	5	7	9	5	8	4
Other, undiagnosed, and unknown	924			2	2	7	4	3
Without psychosis	289	2	14	24	24	24	40	37
Epilepsy	20	1	2	6	3	2		3
Mental deficiency	33	1	4	9	3	4	3	1
Alcoholism	140				7	14	24	19
Drug addiction	8				3		3	
Personality disorders due to epidemic encephalitis	3		1	1			1	
Psychopathic personality	55		2	4	5	1	4	9
Primary behavior disorders	3		2					
Other, unclassified, and unknown	47		3	4	3	3	5	5

MENTAL DISORDER	All ages	AGE (IN YEARS)—Continued							Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
All male patients	2,502	168	149	118	79	56	104	948	41.5
With psychosis	2,215	132	125	91	72	47	97	954	41.6
General paresis	108	16	10	9	5	3			42.3
With other forms of syphilis of the C.N.S.	14	5	1			1			
With epidemic encephalitis	5		1			1			
With other infectious diseases	3	1							
Alcoholic	217	29	32	29	9	6	6	10	46.3
Due to drugs and other exogenous poisons	4			2					
Traumatic	20	2	3	5	1	1	1	2	
With cerebral arteriosclerosis	69		6	8	16	14	24	1	
With other disturbances of circulation	7			2	1		1	1	
With convulsive disorders	18	1	1		1			3	
Senile	79				7	10	57	5	
Involutional psychoses	18	3	9	4	2				
Due to other metabolic, etc., diseases	12	1	1	1	1		2	2	
Due to new growth	1								
With organic changes of the nervous system	6		5	1					
Psychoneuroses	57	4	4	2	3				
Manic-depressive	197	31	31	16	12	7	3	3	45.5
Dementia praecox (schizophrenia)	350	25	10	3	5		2	9	30.0
Paranoia and paranoid conditions	25	4	4	3	1	2		3	
With psychopathic personality	26	3	2					3	
With mental deficiency	53	3	3	3	3	1		1	
Other, undiagnosed, and unknown	924	3	4	3	3	1	1	691	
Without psychosis	289	36	24	27	7	9	7	14	41.3
Epilepsy	20	1	1					1	
Mental deficiency	33	1		5	1			1	
Alcoholism	140	26	16	15	4	4	2	9	45.3
Drug addiction	8		1					1	
Personality disorders due to epidemic encephalitis	3								
Psychopathic personality	55	1	2	2		3		2	
Primary behavior disorders	3			1					
Other, unclassified, and unknown	47	7	4	4	2	2	5		

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TABLE 106.—FEMALE PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of discharges is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
All female patients	1,615	5	58	108	158	156	149	170
With psychosis	1,508	3	50	96	145	145	135	153
General paresis	47		1		2	3	11	16
With other forms of syphilis of the C.N.S.	7					1	1	1
With epidemic encephalitis								
With other infectious diseases	5			1			1	1
Alcoholic	50			1	4	4	10	9
Due to drugs and other exogenous poisons	23				2	4	3	2
Traumatic	4			1		1		
With cerebral arteriosclerosis	45		1					1
With other disturbances of circulation	6							2
With convulsive disorders	20		2		2	3	4	
Senile	67							
Involuntary psychoses	78						2	12
Due to other metabolic, etc., diseases	29		1	3	1	4	4	3
Due to new growth								
With organic changes of the nervous system	3							1
Psychoneuroses	81	1	8	5	8	14	12	12
Manic-depressive	356	1	7	24	56	41	39	49
Dementia praecox (schizophrenia)	299		20	42	53	52	39	29
Paranoia and paranoid conditions	28				2	3	2	5
With psychopathic personality	29		5	6	3	5	2	2
With mental deficiency	53	1	3	8	8	8	3	7
Other, undiagnosed, and unknown	278		2	5	4	2	2	1
Without psychosis	107	2	8	12	15	11	14	17
Epilepsy	9		2	2	1	2	1	
Mental deficiency	29	1	3	7	4	4	3	2
Alcoholism	25				2	1	4	7
Drug addiction	9				1	2	1	2
Personality disorders due to epidemic encephalitis	1				1			
Psychopathic personality	16	1	1	3	1	1	1	4
Primary behavior disorders	2		2					
Other, unclassified, and unknown	16				3	1	4	2
		AGE (IN YEARS)—Continued						Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known
All female patients	150	121	84	52	47	67	290	40.8
With psychosis	141	114	83	49	44	65	285	41.2
General paresis	9	4	1					
With other forms of syphilis of the C.N.S.		1	2		1			
With epidemic encephalitis								
With other infectious diseases		2						
Alcoholic	9	5	3	1		1	3	
Due to drugs and other exogenous poisons	5	1	2	3			1	
Traumatic	1						1	
With cerebral arteriosclerosis	1	4	6	16	9	7		
With other disturbances of circulation	1	1		1		1		
With convulsive disorders	4	1	2	2				
Senile	1	1	3	5	10	44	3	
Involuntary psychoses	23	20	12	6	1	2		
Due to other metabolic, etc., diseases	3	2	4		2		2	
Due to new growth								
With organic changes of the nervous system			1		1			
Psychoneuroses	5	7	6	1	1		1	
Manic-depressive	43	35	27	11	11	4	8	40.6
Dementia praecox (schizophrenia)	23	18	8		5	2	8	32.9
Paranoia and paranoid conditions	4	7	3			2		
With psychopathic personality	1				1	1	3	
With mental deficiency	6	4	1		1	1	2	
Other, undiagnosed, and unknown	2	1	2	3	1		253	
Without psychosis	9	7	1	3	3	2	5	36.8
Epilepsy		1						
Mental deficiency	3	1			1			
Alcoholism	3	3	1	2			2	
Drug addiction	1	1					1	
Personality disorders due to epidemic encephalitis								
Psychopathic personality	1	1					2	
Primary behavior disorders								
Other, unclassified, and unknown	1			1	2	2		

MENTAL DISEASE

TABLE 107.—PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All discharges	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. N. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States (male)	2,502	2,213	108	14	5	3	217	4	20	69	7	18
MIDDLE ATLANTIC	1,672	1,510	55	8	3	1	111	3	11	24	4	13
New Jersey	1,122	1,062	17	1	3	—	27	1	1	16	—	5
Pennsylvania	550	448	38	7	—	1	84	2	10	8	4	8
EAST NORTH CENTRAL	486	421	25	1	—	2	58	—	8	23	3	3
Ohio	199	192	8	1	—	2	33	—	4	5	2	—
Michigan	56	43	—	—	—	—	10	—	2	—	1	3
Wisconsin	231	186	17	—	—	—	15	—	2	16	—	—
WEST NORTH CENTRAL	178	148	22	3	1	—	10	—	—	6	—	—
Iowa	40	29	—	—	—	—	1	—	—	—	—	—
Missouri	138	119	22	3	1	—	9	—	—	6	—	—
SOUTH ATLANTIC	52	45	1	—	—	—	26	—	1	—	—	—
Maryland	52	45	1	—	—	—	26	—	1	—	—	—
EAST SOUTH CENTRAL	61	47	5	1	—	—	5	1	—	4	—	2
Tennessee	61	47	5	1	—	—	5	1	—	4	—	2
PACIFIC	53	42	—	1	1	—	7	—	—	12	—	—
California	53	42	—	1	1	—	7	—	—	12	—	—
United States (female)	1,615	1,508	47	7	—	5	50	23	4	45	6	20
MIDDLE ATLANTIC	889	852	21	5	—	3	24	10	2	15	3	10
New Jersey	443	429	3	3	—	1	4	—	—	12	1	2
Pennsylvania	446	423	18	2	—	2	20	10	2	3	2	8
EAST NORTH CENTRAL	438	412	17	—	—	2	8	10	2	20	1	3
Ohio	228	225	7	—	—	2	5	9	1	4	1	1
Michigan	39	34	—	—	—	—	3	1	1	—	—	—
Wisconsin	171	153	10	—	—	—	—	—	—	16	—	2
WEST NORTH CENTRAL	133	122	7	1	—	—	4	1	—	1	—	1
Iowa	9	7	—	1	—	—	—	—	—	—	—	—
Missouri	124	115	7	—	—	—	4	1	—	1	—	1
SOUTH ATLANTIC	57	44	1	—	—	—	10	2	—	2	—	1
Maryland	57	44	1	—	—	—	10	2	—	2	—	1
EAST SOUTH CENTRAL	48	44	1	—	—	—	2	—	—	2	—	1
Tennessee	48	44	1	—	—	—	2	—	—	2	—	1
PACIFIC	50	34	—	1	—	—	2	—	—	5	2	4
California	50	34	—	1	—	—	2	—	—	5	2	4

TABLE 107.—PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntal psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States (male)	79	18	12	1	6	57	197	350	25	26	53	924
MIDDLE ATLANTIC	51	6	5	1	4	20	113	205	4	10	23	857
New Jersey	5	2	2	—	2	10	38	75	—	2	3	852
Pennsylvania	26	4	3	1	2	10	75	128	4	8	20	5
EAST NORTH CENTRAL	30	11	5	—	2	54	45	92	11	11	17	40
Ohio	19	7	—	—	2	30	27	57	5	3	7	—
Michigan	5	—	2	—	—	—	2	8	3	3	—	4
Wisconsin	6	4	3	—	—	4	16	47	3	5	10	36
WEST NORTH CENTRAL	10	—	1	—	—	2	20	38	5	3	9	18
Iowa	4	—	—	—	—	—	1	3	2	—	—	18
Missouri	6	—	1	—	—	2	19	55	3	3	9	—
SOUTH ATLANTIC	—	—	—	—	—	1	12	3	—	—	1	—
Maryland	—	—	—	—	—	1	12	5	—	—	1	—
EAST SOUTH CENTRAL	—	—	—	—	—	—	7	15	—	1	—	8
Tennessee	—	—	—	—	—	—	7	15	—	1	—	8
PACIFIC	8	1	1	—	—	—	—	1	5	1	3	1
California	8	1	1	—	—	—	—	1	5	1	3	1
United States (female)	67	78	29	—	3	81	356	299	28	29	53	278
MIDDLE ATLANTIC	53	35	11	—	2	22	198	179	10	9	18	244
New Jersey	4	12	5	—	1	6	77	53	3	1	2	239
Pennsylvania	29	21	6	—	1	16	121	126	7	8	16	5
EAST NORTH CENTRAL	17	39	12	—	1	43	105	60	11	15	22	24
Ohio	10	32	7	—	1	31	66	25	5	12	8	—
Michigan	3	—	2	—	—	1	7	8	—	3	2	5
Wisconsin	4	7	3	—	—	11	32	29	6	—	12	21
WEST NORTH CENTRAL	8	5	3	—	—	9	34	38	2	—	8	2
Iowa	3	—	—	—	—	—	1	1	—	—	—	1
Missouri	5	5	3	—	—	9	33	27	2	—	8	1
SOUTH ATLANTIC	—	—	—	—	—	7	8	7	3	2	1	—
Maryland	—	—	—	—	—	7	8	7	3	2	1	—
EAST SOUTH CENTRAL	1	2	3	—	—	—	11	14	—	—	1	6
Tennessee	1	2	3	—	—	—	11	14	—	—	1	6
PACIFIC	8	1	—	—	—	—	—	1	2	3	3	2
California	8	1	—	—	—	—	—	1	2	3	3	2

MENTAL DISEASE

TABLE 107.—PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States (male)	289	20	53	140	8	3	35	3	47
MIDDLE ATLANTIC	162	7	20	85	6	3	21	2	20
New Jersey	60	5	3	27	—	2	11	1	11
Pennsylvania	102	2	17	56	6	1	10	1	9
EAST NORTH CENTRAL	65	10	6	32	1	—	6	1	9
Ohio	7	—	1	3	—	—	—	—	3
Michigan	13	1	1	9	1	—	1	—	—
Wisconsin	45	9	4	20	—	—	5	1	6
WEST NORTH CENTRAL	50	—	2	15	1	—	5	—	7
Iowa	11	—	—	8	—	—	2	—	1
Missouri	19	—	2	7	1	—	3	—	6
SOUTH ATLANTIC	7	1	—	4	—	—	—	—	2
Maryland	7	1	—	4	—	—	—	—	2
EAST SOUTH CENTRAL	14	—	1	4	—	—	—	—	9
Tennessee	14	—	1	4	—	—	—	—	9
PACIFIC	11	2	4	2	—	—	3	—	—
California	11	2	4	2	—	—	3	—	—
United States (female)	107	9	29	25	9	1	16	2	16
MIDDLE ATLANTIC	57	3	10	10	1	1	4	1	7
New Jersey	14	—	2	3	—	1	2	1	5
Pennsylvania	23	3	8	7	1	—	2	—	2
EAST NORTH CENTRAL	26	3	5	7	3	—	2	—	6
Ohio	3	—	—	—	—	—	—	—	3
Michigan	5	—	—	2	1	—	2	—	—
Wisconsin	18	3	5	5	2	—	—	—	3
WEST NORTH CENTRAL	11	—	—	3	5	—	3	—	—
Iowa	2	—	—	—	—	—	2	—	—
Missouri	9	—	—	3	5	—	1	—	—
SOUTH ATLANTIC	13	2	2	1	—	—	5	1	2
Maryland	13	2	2	1	—	—	5	1	2
EAST SOUTH CENTRAL	4	—	1	1	—	—	1	—	1
Tennessee	4	—	1	1	—	—	1	—	1
PACIFIC	16	1	11	3	—	—	1	—	—
California	16	1	11	3	—	—	1	—	—

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 108.—PATIENTS DISCHARGED FROM COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)													Un- known
		Un- der 15	15- 19	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70 and over	
United States (male)-----	2,502	6	49	155	170	162	209	149	168	149	118	79	56	104	948
MIDDLE ATLANTIC-----	1,672	2	25	79	89	86	117	87	95	77	61	42	25	41	850
New Jersey-----	1,122	1	7	50	29	32	58	55	29	22	21	15	7	12	848
Pennsylvania-----	550	1	18	49	60	54	79	54	64	55	40	29	18	29	2
EAST NORTH CENTRAL-----	486	3	15	27	51	44	48	41	45	59	50	15	15	57	76
Ohio-----	199	1	9	17	25	22	26	14	25	16	15	5	6	18	2
Michigan-----	56	---	---	---	---	---	---	---	---	---	---	---	---	---	56
Wisconsin-----	251	2	6	10	26	22	22	27	22	25	15	10	9	19	18
WEST NORTH CENTRAL-----	178	---	5	16	16	15	22	9	22	16	10	15	6	11	19
Iowa-----	40	---	---	---	1	---	---	1	4	4	3	1	1	6	19
Missouri-----	138	---	5	16	15	15	22	8	18	12	7	12	5	5	---
SOUTH ATLANTIC-----	52	---	2	4	8	12	10	5	4	2	4	---	---	1	---
Maryland-----	52	---	2	4	8	12	10	5	4	2	4	---	---	1	---
EAST SOUTH CENTRAL-----	61	---	3	7	6	5	6	5	3	8	7	2	2	4	3
Tennessee-----	61	---	3	7	6	5	6	5	3	8	7	2	2	4	3
PACIFIC-----	55	1	1	2	---	2	6	2	1	7	6	7	8	10	---
California-----	55	1	1	2	---	2	6	2	1	7	6	7	8	10	---
United States (female)-----	1,615	5	58	108	158	156	149	170	150	121	84	52	47	67	290
MIDDLE ATLANTIC-----	889	---	25	58	89	67	72	80	75	70	41	24	25	56	255
New Jersey-----	445	---	5	15	21	17	28	28	28	17	21	9	9	12	255
Pennsylvania-----	446	---	18	41	68	50	44	52	45	55	20	15	16	24	---
EAST NORTH CENTRAL-----	458	1	22	51	44	46	47	54	54	29	50	19	15	17	51
Ohio-----	228	1	12	27	29	26	55	51	17	17	14	7	4	10	---
Michigan-----	59	---	---	---	---	---	---	---	---	---	---	---	---	---	59
Wisconsin-----	171	---	10	4	15	20	14	25	17	12	16	12	9	7	12
WEST NORTH CENTRAL-----	155	---	2	9	12	25	10	25	24	11	6	1	4	5	1
Iowa-----	9	---	---	---	---	1	1	2	1	1	1	---	---	1	1
Missouri-----	124	---	2	9	12	22	9	25	25	10	5	1	4	4	---
SOUTH ATLANTIC-----	57	5	8	4	9	9	8	4	5	5	1	1	---	---	---
Maryland-----	57	5	8	4	9	9	8	4	5	5	1	1	---	---	---
EAST SOUTH CENTRAL-----	48	---	3	3	1	8	9	4	8	1	2	1	2	1	5
Tennessee-----	48	---	3	3	1	8	9	4	8	1	2	1	2	1	5
PACIFIC-----	50	1	---	5	5	5	5	5	6	5	4	6	5	8	---
California-----	50	1	---	5	5	5	5	5	6	5	4	6	5	8	---



MENTAL DISEASE

TABLE 109.—DEATHS OF PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All deaths	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. M. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States (male)	1,505	1,458	142	25	8	2	67	5	11	285	28	32
MIDDLE ATLANTIC	827	794	95	14	6	2	47	5	6	173	25	19
New Jersey	340	315	58	1	2	—	17	—	2	115	5	2
Pennsylvania	487	481	55	13	4	2	50	5	6	58	18	17
EAST NORTH CENTRAL	416	395	18	5	2	—	15	—	2	75	5	11
Ohio	51	49	3	—	1	—	6	—	—	12	2	—
Michigan	6	6	—	—	—	—	—	—	—	1	1	—
Wisconsin	359	340	15	5	1	—	9	—	2	62	—	11
WEST NORTH CENTRAL	155	145	22	5	—	—	5	—	—	15	1	2
Iowa	36	31	—	—	—	—	—	—	—	5	—	—
Missouri	117	112	22	5	—	—	5	—	—	10	1	2
SOUTH ATLANTIC	8	6	—	—	—	—	2	—	—	—	1	—
Maryland	8	6	—	—	—	—	2	—	—	—	1	—
EAST SOUTH CENTRAL	32	31	8	—	—	—	—	—	—	8	—	—
Tennessee	32	31	8	—	—	—	—	—	—	8	—	—
PACIFIC	69	69	1	1	—	—	—	—	1	14	—	—
California	69	69	1	1	—	—	—	—	1	14	—	—
United States (female)	1,089	1,047	46	9	6	1	7	2	1	206	20	24
MIDDLE ATLANTIC	587	587	27	9	2	—	4	2	1	131	17	17
New Jersey	307	295	11	6	1	—	5	—	—	109	9	5
Pennsylvania	280	274	16	3	1	—	1	2	1	22	8	14
EAST NORTH CENTRAL	298	286	4	—	4	1	3	—	—	52	3	6
Ohio	45	45	3	—	1	—	1	—	—	12	2	—
Michigan	8	8	—	—	—	—	—	—	—	1	1	—
Wisconsin	247	235	1	—	3	1	2	—	—	39	—	6
WEST NORTH CENTRAL	119	114	12	—	—	—	—	—	—	11	—	1
Iowa	39	36	1	—	—	—	—	—	—	5	—	—
Missouri	80	78	11	—	—	—	—	—	—	6	—	1
SOUTH ATLANTIC	—	—	—	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—	—	—	—	—
EAST SOUTH CENTRAL	26	26	5	—	—	—	—	—	—	6	—	—
Tennessee	26	26	5	—	—	—	—	—	—	6	—	—
PACIFIC	59	54	—	—	—	—	—	—	—	8	—	—
California	59	54	—	—	—	—	—	—	—	8	—	—

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## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 109.—DEATHS OF PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntional psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States (male)-----	579	21	15	2	15	5	75	204	19	4	48	54
MIDDLE ATLANTIC-----	174	12	7	1	10	4	50	110	8	1	18	11
New Jersey-----	52	5	5	1	5	2	16	55	4	---	2	8
Pennsylvania-----	122	9	2	---	5	2	34	77	4	1	16	3
EAST NORTH CENTRAL-----	106	9	---	---	5	1	19	75	4	2	23	24
Ohio-----	25	---	---	---	1	---	---	---	---	---	1	---
Michigan-----	1	---	---	---	---	---	---	---	---	---	---	5
Wisconsin-----	82	9	---	---	2	1	19	75	4	2	22	21
WEST NORTH CENTRAL-----	46	---	2	1	2	---	6	18	4	---	7	11
Iowa-----	8	---	---	1	---	---	3	2	1	---	2	11
Missouri-----	38	---	2	---	2	---	3	16	3	---	5	---
SOUTH ATLANTIC-----	2	---	---	---	---	---	---	1	---	---	---	---
Maryland-----	2	---	---	---	---	---	---	1	---	---	---	---
EAST SOUTH CENTRAL-----	7	---	---	---	---	---	---	---	---	---	---	8
Tennessee-----	7	---	---	---	---	---	---	---	---	---	---	8
PACIFIC-----	44	---	4	---	---	---	---	---	3	1	---	---
California-----	44	---	4	---	---	---	---	---	3	1	---	---
United States (female)-----	505	26	14	2	22	3	92	148	12	---	40	59
MIDDLE ATLANTIC-----	140	15	9	1	12	1	70	84	4	---	16	5
New Jersey-----	57	7	4	---	5	1	33	33	5	---	3	5
Pennsylvania-----	83	8	5	1	7	---	37	51	1	---	13	---
EAST NORTH CENTRAL-----	75	9	2	1	5	2	17	46	4	---	21	31
Ohio-----	14	1	---	1	1	1	1	---	---	---	3	2
Michigan-----	2	---	---	---	---	---	1	---	---	---	---	3
Wisconsin-----	59	8	2	---	4	1	15	46	4	---	18	26
WEST NORTH CENTRAL-----	42	2	2	---	1	---	3	14	3	---	3	20
Iowa-----	5	2	---	---	---	---	1	2	---	---	2	20
Missouri-----	37	---	2	---	1	---	2	12	3	---	1	---
SOUTH ATLANTIC-----	---	---	---	---	---	---	---	---	---	---	---	---
Maryland-----	---	---	---	---	---	---	---	---	---	---	---	---
EAST SOUTH CENTRAL-----	8	---	---	---	---	---	2	4	---	---	---	3
Tennessee-----	8	---	---	---	---	---	2	4	---	---	---	3
PACIFIC-----	40	---	1	---	4	---	---	---	1	---	---	---
California-----	40	---	1	---	4	---	---	---	1	---	---	---

MENTAL DISEASE

TABLE 109.—DEATHS OF PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY MENTAL DISORDER, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States (male)	67	7	18	4	2	1			55
MIDDLE ATLANTIC	55	5	5	5	1	1			20
New Jersey	27	1	3	2		1			20
Pennsylvania	6	2	2	1	1				
EAST NORTH CENTRAL	21	5	10		1				7
Ohio	2	1	1						
Michigan									
Wisconsin	19	2	9		1				7
WEST NORTH CENTRAL	10	1	5	1					5
Iowa	5		1						4
Missouri	5	1	2	1					1
SOUTH ATLANTIC	2								2
Maryland	2								2
EAST SOUTH CENTRAL	1								1
Tennessee	1								1
PACIFIC									
California									
United States (female)	42	2	14	2		1	1		22
MIDDLE ATLANTIC	20		6	2		1			11
New Jersey	14		1	2					11
Pennsylvania	6		5			1			
EAST NORTH CENTRAL	12	1	6						5
Ohio									
Michigan									
Wisconsin	12	1	6						5
WEST NORTH CENTRAL	5	1	1						3
Iowa	3	1							2
Missouri	2		1						1
SOUTH ATLANTIC									
Maryland									
EAST SOUTH CENTRAL									
Tennessee									
PACIFIC	5		1				1		3
California	5		1				1		3

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TABLE 110.—DEATHS OF MALE PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY DURATION OF HOSPITAL LIFE, BY MENTAL DISORDER: 1939

(Median not shown where number of deaths is less than 100)

MENTAL DISORDER	All deaths	DURATION OF HOSPITAL LIFE					
		Less than 1 month	1-5 months	4-6 months	7-11 months	1 year	2 years
Total	1,505	154	253	101	94	137	99
With psychosis	1,458	151	249	98	90	136	96
General paresis	142	18	56	6	11	21	12
With other forms of syphilis of the C.N.S.	23	1	4	3	3	3	2
With epidemic encephalitis	8	2	1			2	
With other infectious diseases	2	1			1		
Alcoholic	67	10	7	2	3	4	6
Due to drugs and other exogenous poisons	3	2		1			
Traumatic	11	2	2			1	1
With cerebral arteriosclerosis	285	50	71	50	28	29	19
With other disturbances of circulation	26	12	8	2		1	2
With convulsive disorders	32	1	4			4	3
Senile	579	51	81	44	37	51	22
Involuntional psychoses	21	2	2		1		1
Due to other metabolic, etc., diseases	13	5	4		1	1	1
Due to new growth	2		2				
With organic changes of the nervous system	15		1	3		3	1
Psychoneuroses	5		1			1	2
Manic-depressive	75		11	2	1	4	5
Dementia praecox (schizophrenia)	204	8	3	2	7	7	12
Paranoia and paranoid conditions	19		2				1
With psychopathic personality	4						
With mental deficiency	48		2	2		3	4
Other, undiagnosed, and unknown	54	10	7	1	2	1	2
Without psychosis	67	3	4	3	4	1	3
Epilepsy	7		1		1		1
Mental deficiency	18		1	1			1
Alcoholism	4				1		
Drug addiction	2						1
Personality disorders due to epidemic encephalitis	1						
Psychopathic personality							
Primary behavior disorders							
Other, unclassified, and unknown	35	3	2	2	2	1	

MENTAL DISORDER	DURATION OF HOSPITAL LIFE—Continued					Median duration of hospital life
	3-4 years	5-9 years	10-19 years	20 years and over	Un-known	
Total	138	168	135	155	71	1 yr. 10.1 mos.
With psychosis	129	165	132	145	49	1 yr. 9.4 mos.
General paresis	14	17	5	1	3	1 yr. 0.3 mos.
With other forms of syphilis of the C.N.S.		3	4			
With epidemic encephalitis	2	1				
With other infectious diseases						
Alcoholic	2	10	5	12	6	
Due to drugs and other exogenous poisons						
Traumatic		2	2	1		
With cerebral arteriosclerosis	33	28	10	2	8	8.4 mos.
With other disturbances of circulation	1	1			1	
With convulsive disorders	4	7	6	3		
Senile	57	28	13	7	8	8.3 mos.
Involuntional psychoses	3	1	2	8	1	
Due to other metabolic, etc., diseases		2			1	
Due to new growth						
With organic changes of the nervous system	1	2	1	1	2	
Psychoneuroses			1			
Manic-depressive	4	14	12	18	4	
Dementia praecox (schizophrenia)	21	50	46	65	3	12 yrs. 3.4 mos.
Paranoia and paranoid conditions	3	2	6	5		
With psychopathic personality		1	2	1		
With mental deficiency	2	14	11	10		
Other, undiagnosed, and unknown	2	2	6	9	12	
Without psychosis	9	3	3	12	22	
Epilepsy	1	1	1		1	
Mental deficiency	2	1	1	10	1	
Alcoholism	1				2	
Drug addiction				1		
Personality disorders due to epidemic encephalitis	1					
Psychopathic personality						
Primary behavior disorders						
Other, unclassified, and unknown	4	1	1	1	18	

TABLE 111.—DEATHS OF FEMALE PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY DURATION OF HOSPITAL LIFE, BY MENTAL DISORDER: 1939

(Median not shown where number of deaths is less than 100)

MENTAL DISORDER	All deaths	DURATION OF HOSPITAL LIFE					
		Less than 1 month	1-5 months	4-6 months	7-11 months	1 year	2 years
Total	1,089	91	156	64	72	114	99
With psychosis	1,047	90	155	65	72	112	94
General paresis	46	5	9	5	7	11	5
With other forms of syphilis of the C.N.S.	9		2			2	2
With epidemic encephalitis	6	1	2				1
With other infectious diseases	1						
Alcoholic	7	1	2		1		
Due to drugs and other exogenous poisons	2	1	1				
Traumatic	1				1		
With cerebral arteriosclerosis	208	24	41	14	19	50	25
With other disturbances of circulation	20	5	9	1			
With convulsive disorders	24	1	2	1	2	1	5
Senile	505	24	55	50	30	49	35
Involuntary psychoses	26	2	2	2		5	
Due to other metabolic, etc., diseases	14	4	1	2		2	1
Due to new growth	2		1		1		
With organic changes of the nervous system	22	1	5		2	1	5
Psychoneuroses	5		1				
Manic-depressive	92	8	12	1	5	4	6
Dementia praecox (schizophrenia)	148	4	5	7	1	5	12
Paranoia and paranoid conditions	12					1	
With psychopathic personality							
With mental deficiency	40		1		2	5	2
Other, undiagnosed, and unknown	59	11	4	2	5	2	1
Without psychosis	42	1	5	1		2	5
Epilepsy	2						1
Mental deficiency	14			1			1
Alcoholism	2						
Drug addiction							
Personality disorders due to epidemic encephalitis	1	1					
Psychopathic personality	1					1	
Primary behavior disorders							
Other, unclassified, and unknown	22		5			1	5

MENTAL DISORDER	DURATION OF HOSPITAL LIFE—Continued					Median duration of hospital life
	5-4 years	5-9 years	10-19 years	20 years and over	Un-known	
Total	92	122	119	127	55	2 yrs. 5.8 mos.
With psychosis	92	115	116	117	25	2 yrs. 2.8 mos.
General paresis	5	5	1		1	
With other forms of syphilis of the C.N.S.	1	2				
With epidemic encephalitis	1	1				
With other infectious diseases				1		
Alcoholic		1		2		
Due to drugs and other exogenous poisons						
Traumatic						
With cerebral arteriosclerosis	21	25	8		5	1 yr. 1.8 mos
With other disturbances of circulation	1	1	2		1	
With convulsive disorders	2	4	2	6		
Senile	54	26	15	7	4	1 yr. 5.3 mos.
Involuntary psychoses	5	5	5	6		
Due to other metabolic, etc., diseases	1				5	
Due to new growth						
With organic changes of the nervous system	1	4	2		5	
Psychoneuroses					2	
Manic-depressive	6	9	18	22	5	
Dementia praecox (schizophrenia)	11	25	41	58	1	11 yrs. 4.1 mos.
Paranoia and paranoid conditions	1	4	5	5		
With psychopathic personality						
With mental deficiency	5	5	11	15		
Other, undiagnosed, and unknown	5	4	10	15	4	
Without psychosis		7	5	10	10	
Epilepsy			1			
Mental deficiency		5	1	8		
Alcoholism			1		1	
Drug addiction						
Personality disorders due to epidemic encephalitis						
Psychopathic personality						
Primary behavior disorders						
Other, unclassified, and unknown		4		2	9	

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 112.—DEATHS OF MALE PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of deaths is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)									
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	
Total	1,505	1	4	13	28	57	50	65	66	118	
With psychosis	1,458	1	5	13	22	55	47	59	65	106	
General paresis	142			2	1	8	14	18	21	19	
With other forms of syphilis of the C.N.S.	25						5	1	4	4	
With epidemic encephalitis	8						1	2	1	1	
With other infectious diseases	2						1				
Alcoholic	67						3	6	7	14	
Due to drugs and other exogenous poisons	5								1	1	
Traumatic	11				1				1		
With cerebral arteriosclerosis	285						1	2	2	10	
With other disturbances of circulation	28							2		5	
With convulsive disorders	52			1	5	4		4	2	5	
Senile	379			1				2		2	
Involuntional psychoses	21							1		1	
Due to other metabolic, etc., diseases	15							1			
Due to new growth	2								1		
With organic changes of the nervous system	15	1						1	1	4	
Psychoneuroses	5					1				2	
Manic-depressive	75					3	4	3	7	4	
Dementia praecox (schizophrenia)	204		2	6	13	14	12	16	9	24	
Paranoia and paranoid conditions	19								1	2	
With psychopathic personality	4									1	
With mental deficiency	48			2	1	2	1	5	5	8	
Other, undiagnosed, and unknown	54		1	1	1	2	2		2	2	
Without psychosis	67		1		6	2	5	6	5	12	
Epilepsy	7				2		1	1		1	
Mental deficiency	18		1		2	1	1		1	5	
Alcoholism	4						1			1	
Drug addiction	2									1	
Personality disorders due to epidemic encephalitis	1							1			
Psychopathic personality											
Primary behavior disorders											
Other, unclassified, and unknown	55				2	1		4	2	6	

MENTAL DISORDER	AGE (IN YEARS)—Continued								Median age (in years)
	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Un-known	
Total	126	168	209	195	187	142	76	20	66.6
With psychosis	118	164	205	189	187	135	75	18	66.9
General paresis	18	20	14	2	3	1		1	51.7
With other forms of syphilis of the C.N.S.	2	5	4						
With epidemic encephalitis		1							
With other infectious diseases									
Alcoholic	6	7	7	7	6	1	1	2	
Due to drugs and other exogenous poisons			1						
Traumatic	4		2	1	2				
With cerebral arteriosclerosis	18	58	60	47	44	38	25		71.1
With other disturbances of circulation	5	6	7	3	1	1			
With convulsive disorders	1	3	1	4	3			1	
Senile	6	24	44	88	94	77	58	5	76.1
Involuntional psychoses	6	5	3	3	1	1			
Due to other metabolic, etc., diseases	2	2	5	1				1	
Due to new growth							1		
With organic changes of the nervous system	4	1	2				1		
Psychoneuroses		1	1						
Manic-depressive	11	18	10	9	4	2	2		
Dementia praecox (schizophrenia)	16	25	28	15	15	7	5	1	56.7
Paranoia and paranoid conditions	4	5	4	1	3	1			
With psychopathic personality	1				1		1		
With mental deficiency	10	5	3	4	2	2	3	1	
Other, undiagnosed, and unknown	4	4	7	6	8	4	2	8	
Without psychosis	8	4	6	6		7	1	2	
Epilepsy	1	1							
Mental deficiency	2	5	1			1		2	
Alcoholism	2								
Drug addiction						1			
Personality disorders due to epidemic encephalitis									
Psychopathic personality									
Primary behavior disorders									
Other, unclassified, and unknown	5		5	6		5	1		



## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 114.—DEATHS OF PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	
United States (male)-----	1,505	1	4	13	28	37	50	65	66	
MIDDLE ATLANTIC-----	827	---	4	9	16	29	50	49	44	
New Jersey-----	340	---	3	3	6	5	12	19	18	
Pennsylvania-----	487	---	1	6	10	24	18	30	26	
EAST NORTH CENTRAL-----	416	1	---	3	10	8	11	10	14	
Ohio-----	51	---	---	---	---	1	2	3	1	
Michigan-----	6	---	---	---	1	---	---	---	---	
Wisconsin-----	359	1	---	3	9	7	9	7	13	
WEST NORTH CENTRAL-----	153	---	---	1	2	---	6	5	5	
Iowa-----	36	---	---	---	---	---	---	---	---	
Missouri-----	117	---	---	1	2	---	6	5	5	
SOUTH ATLANTIC-----	8	---	---	---	---	---	---	---	---	
Maryland-----	8	---	---	---	---	---	---	---	---	
EAST SOUTH CENTRAL-----	32	---	---	---	---	---	2	---	3	
Tennessee-----	32	---	---	---	---	---	2	---	3	
PACIFIC-----	69	---	---	---	---	---	1	1	---	
California-----	69	---	---	---	---	---	1	1	---	
AGE (IN YEARS)—Continued										
		50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Un-known
United States (male)-----	118	126	168	209	195	187	142	76	20	
MIDDLE ATLANTIC-----	82	70	103	104	101	81	79	25	1	
New Jersey-----	34	25	38	43	40	37	43	14	---	
Pennsylvania-----	48	45	65	61	61	44	36	11	1	
EAST NORTH CENTRAL-----	13	31	34	65	60	69	46	32	11	
Ohio-----	1	4	7	8	6	6	6	4	2	
Michigan-----	1	---	---	1	1	2	---	---	---	
Wisconsin-----	11	27	27	54	53	61	40	28	9	
WEST NORTH CENTRAL-----	13	15	15	27	17	23	9	7	8	
Iowa-----	2	---	2	5	3	6	5	5	8	
Missouri-----	11	15	13	22	14	17	4	2	---	
SOUTH ATLANTIC-----	4	---	1	2	---	---	---	1	---	
Maryland-----	4	---	1	2	---	---	---	1	---	
EAST SOUTH CENTRAL-----	3	1	5	6	5	3	1	3	---	
Tennessee-----	3	1	5	6	5	3	1	3	---	
PACIFIC-----	3	9	10	7	12	11	7	8	---	
California-----	3	9	10	7	12	11	7	8	---	



MENTAL DISEASE

TABLE 114.—DEATHS OF PATIENTS IN COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY AGE, BY SEX, DIVISIONS, AND STATES: 1939—Continued

SEX, DIVISION, AND STATE	All ages	AGE (IN YEARS)							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
United States (female)-----	1,089	---	8	7	14	33	34	42	55
MIDDLE ATLANTIC-----	587	---	7	7	9	19	22	26	34
New Jersey-----	307	---	---	2	4	7	11	13	17
Pennsylvania-----	280	---	7	5	5	12	11	13	17
EAST NORTH CENTRAL-----	298	---	1	---	1	12	8	10	15
Ohio-----	43	---	1	---	---	2	1	5	2
Michigan-----	8	---	---	---	---	---	---	1	---
Wisconsin-----	247	---	---	---	1	10	7	6	11
WEST NORTH CENTRAL-----	119	---	---	---	3	2	3	4	5
Iowa-----	59	---	---	---	---	1	---	1	1
Missouri-----	60	---	---	---	3	1	3	3	4
SOUTH ATLANTIC-----	---	---	---	---	---	---	---	---	---
Maryland-----	---	---	---	---	---	---	---	---	---
EAST SOUTH CENTRAL-----	26	---	---	---	1	---	1	2	1
Tennessee-----	26	---	---	---	1	---	1	2	1
PACIFIC-----	59	---	---	---	---	---	---	---	2
California-----	59	---	---	---	---	---	---	---	2

AGE (IN YEARS)—Continued									
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Un-known
United States (female)-----	85	72	100	124	157	158	121	86	13
MIDDLE ATLANTIC-----	49	48	50	69	71	83	54	39	---
New Jersey-----	18	28	27	39	39	51	51	22	---
Pennsylvania-----	31	20	23	31	33	32	23	17	---
EAST NORTH CENTRAL-----	24	10	30	34	41	45	42	24	3
Ohio-----	8	1	6	4	4	7	2	2	---
Michigan-----	1	---	1	1	---	2	---	2	---
Wisconsin-----	15	9	23	29	37	36	40	20	3
WEST NORTH CENTRAL-----	7	11	9	13	11	16	14	11	10
Iowa-----	2	---	1	3	3	7	5	5	10
Missouri-----	5	11	8	10	8	9	9	6	---
SOUTH ATLANTIC-----	---	---	---	---	---	---	---	---	---
Maryland-----	---	---	---	---	---	---	---	---	---
EAST SOUTH CENTRAL-----	1	2	3	4	1	4	2	4	---
Tennessee-----	1	2	3	4	1	4	2	4	---
PACIFIC-----	4	1	8	4	13	10	9	8	---
California-----	4	1	8	4	13	10	9	8	---

Overcrowding has been computed on the basis of rated capacity and average daily population reported by each hospital. The percentage overcrowding was 9.6 percent for all county and city hospitals. Overcrowding was reported in Missouri (54.7 percent), Pennsylvania (17.7 percent), New Jersey (16.9 percent), and Tennessee (6.5 percent). The States reporting county and city hospitals not filled to capacity were Michigan (50.0 percent occupied), Maryland (73.7 percent), Iowa (81.7 percent), Ohio (95.0 percent), Wisconsin (96.4 percent), and California (98.5 percent).

Although data were collected dealing with administrative staff and expenditures of county and city hospitals, tables dealing with these factors have not been presented. Hospitals in some of the States, Iowa and Wisconsin for instance, are not entirely for mental patients. In some hospitals the personnel that care for the mental patient population also are employed in that part of the hospital which serves as the county home. Expenditures that have been reported in some hospitals have been appropriated not only for the care of the mental patients, but also for the care of those in the county home.

The data indicate that in the 10 States reporting county and city hospitals, there were 5,223 employees on a full-time basis and 177 on a part-time basis. Of these, 223 were full-time physicians and 68 were part-time. Nurses and attendants numbered 2,997 on a full-time basis, and 3 on a part-time basis.

The patient ratio per employee for all of the States was 6.0. Several of the hospitals of New Jersey, Pennsylvania, Wisconsin, and Iowa reported vacancies in the positions of physician or nurse and attendant. Vacancies have been defined as positions for which funds have been appropriated, but which, for one reason or another, have not been filled.

Total expenditures in county and city hospitals during 1939 were \$10,373,185. An amount of \$10,012,716, or 96.5 percent, was devoted to maintenance of the hospitals. The proportion of the total maintenance expenditures devoted to salaries and wages was not as high as in State hospitals (54.2 percent), but comprised 48.4 percent of all expenditures for maintenance.

The total per capita cost for maintenance was \$335.11. Because so many different types of hospitals were included in these data, the range in per capita expenditure was wide. The per capita amount was lowest in Tennessee (\$181.37) and highest in Ohio (\$1,146.08).

TABLE 115.—AVERAGE RESIDENT PATIENT POPULATION AND NORMAL CAPACITY OF COUNTY AND CITY HOSPITALS FOR MENTAL DISEASE, BY DIVISIONS AND STATES: 1939

(A minus sign (-) denotes excess of capacity over population)

DIVISION AND STATE	AVERAGE DAILY RESIDENT PATIENT POPULATION	NORMAL CAPACITY OF HOSPITALS	EXCESS OF POPULATION OVER CAPACITY	
			Number	Percent
United States	32,199	29,568	2,651	9.6
MIDDLE ATLANTIC	15,468	15,175	2,295	17.4
New Jersey	5,700	4,876	824	16.9
Pennsylvania	9,768	8,297	1,471	17.7
EAST NORTH CENTRAL	10,788	11,210	-422	-3.8
Ohio	452	478	-24	-5.0
Michigan	16	32	-16	-50.0
Wisconsin	10,320	10,702	-382	-3.6
WEST NORTH CENTRAL	4,880	5,930	950	24.4
Iowa	1,352	1,650	-298	-18.5
Missouri	5,557	2,500	1,257	54.7
SOUTH ATLANTIC	59	80	-21	-26.5
Maryland	59	80	-21	-26.5
EAST SOUTH CENTRAL	458	450	28	6.5
Tennessee	458	450	28	6.5
PACIFIC	557	545	-8	-1.5
California	557	545	-8	-1.5

## PRIVATE HOSPITALS

There was greater reporting from private hospitals for mental disease in 1939 than there had been the previous year. Data are reported in these tables for 198 private hospitals.

At the end of the year there were 12,115 patients on books, of which 11,252 were in the hospitals. The remainder (863) were on parole or otherwise absent, an increase of 56 over the beginning of the year. (See tables 1 and 2.) Parole or other absence status was employed frequently in certain of the private hospitals and not at all in others. Hospitals in Massachusetts (100 patients), New York (355), and Pennsylvania (271) most frequently used the practice. Of all incoming patients (25,239), 65 percent were first admissions (16,279), as compared with 75 percent in State hospitals. There were almost twice as many transfers from private hospitals (1,986) as there were transfers to private hospitals (1,024). It is probable that, when a patient's condition no longer appears to be acute and it is evident that his period of hospitalization will be of long standing, the matter of expense frequently dictates transfer to a public hospital.

Of the 11,252 patients resident in hospitals at the end of the year, 4,368 were male and 6,884, female. As in hospitals under State, veterans', county, and city control, the largest proportion of patients in private hospitals were those diagnosed as with dementia praecox. They comprised 30.2 percent (1,321) among male patients and 35.5 percent (2,447) among female patients. There were 780 patients diagnosed as without psychosis, 511 male and 269 female. More than half of the males (266) were hospitalized for alcoholism.

The data for age distribution tabulated by clinical diagnosis and sex of first admissions were not in every case complete. In a number of hospitals combined figures were reported for males and females. In those hospitals in which the sex distribution of first admissions was reported, there were 14,860 patients admitted, 7,122 male and 7,738 female. The numbers of male and female first admissions were more nearly equal than among resident patients (4,368 male and 6,884 female). This may be explained for the most part by the large number of male patients admitted for the first time with alcoholic psychosis and with alcoholism without psychosis. Their hospital stay is short, and they do not add considerably to the number of patients in residence.

Median ages have been computed for each clinical diagnosis among first admissions in which 100 patients or more were reported. Patients of unknown age were excluded in the computation of the medians. The median age for male first admissions was 42.7 years and for female, 42.4 years. (See tables 1, 2, 7, 8, 15, 16, 22, 24, and 25.)

TABLE 116.—MALE FIRST ADMISSIONS TO PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	7,122	75	227	453	521	691	855	787
With psychosis	4,917	16	190	356	391	412	452	408
General paresis	128	—	1	—	4	14	13	17
With other forms of syphilis of the C.N.S.	44	—	—	2	2	4	7	1
With epidemic encephalitis	11	—	2	—	1	1	2	1
With other infectious diseases	35	—	2	2	3	3	4	3
Alcoholic	488	—	2	11	21	56	86	80
Due to drugs and other exogenous poisons	96	—	—	1	5	13	9	11
Traumatic	43	—	—	4	1	6	2	4
With cerebral arteriosclerosis	513	—	—	—	—	—	1	—
With other disturbances of circulation	40	—	—	—	—	—	1	1
With convulsive disorders	36	1	3	2	—	5	4	5
Senile	369	—	—	—	—	—	—	—
Involuntional psychoses	247	—	—	2	1	1	2	22
Due to other metabolic, etc., diseases	46	—	1	7	1	—	4	5
Due to new growth	12	—	—	1	—	—	—	—
With organic changes of the nervous system	15	—	—	2	—	—	1	2
Psychoneuroses	469	2	11	28	46	56	70	60
Manic-depressive	778	1	25	44	65	86	107	98
Dementia praecox (schizophrenia)	698	5	126	222	194	119	91	45
Paranoia and paranoid conditions	121	—	—	8	13	9	19	22
With psychopathic personality	75	1	4	7	7	22	8	11
With mental deficiency	63	5	7	6	9	10	9	6
Other, undiagnosed, and unknown	590	1	6	7	18	7	12	14
Without psychosis	2,206	57	37	77	130	279	383	379
Epilepsy	39	5	1	4	4	5	6	3
Mental deficiency	26	1	5	4	1	2	4	2
Alcoholism	1,547	—	—	26	84	207	500	300
Drug addiction	177	—	1	3	8	25	29	38
Personality disorders due to epidemic encephalitis	4	1	1	—	—	1	1	—
Psychopathic personality	128	3	16	23	19	18	19	11
Primary behavior disorders	80	38	7	5	1	4	7	3
Other, unclassified, and unknown	204	9	6	12	13	17	17	22

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total <sup>1</sup>	677	605	428	364	298	482	701	42.7
With psychosis	407	401	300	270	251	443	620	44.1
General paresis	16	26	20	8	4	—	5	48.9
With other forms of syphilis of the C.N.S.	4	3	5	6	1	3	6	—
With epidemic encephalitis	1	—	1	—	1	—	1	—
With other infectious diseases	4	1	2	1	1	4	5	—
Alcoholic	90	61	25	19	10	6	21	45.6
Due to drugs and other exogenous poisons	12	13	12	5	5	4	6	—
Traumatic	9	4	1	6	5	1	2	—
With cerebral arteriosclerosis	3	19	40	63	60	114	15	67.0
With other disturbances of circulation	—	6	5	8	9	10	—	—
With convulsive disorders	—	2	3	3	3	3	2	—
Senile	—	1	9	19	79	250	11	70+
Involuntional psychoses	41	57	48	40	23	7	3	54.6
Due to other metabolic, etc., diseases	7	6	5	4	3	2	1	—
Due to new growth	1	2	4	2	—	2	—	—
With organic changes of the nervous system	1	2	1	3	—	3	—	—
Psychoneuroses	58	49	33	21	15	10	10	41.4
Manic-depressive	94	95	63	52	22	9	17	42.7
Dementia praecox (schizophrenia)	31	19	8	7	1	3	27	27.1
Paranoia and paranoid conditions	16	20	7	1	2	2	2	42.4
With psychopathic personality	3	2	1	—	3	2	4	—
With mental deficiency	2	3	3	—	1	—	2	—
Other, undiagnosed, and unknown	14	10	4	2	5	8	482	—
Without psychosis	270	204	128	94	47	39	61	41.3
Epilepsy	1	3	1	—	—	—	4	—
Mental deficiency	—	3	—	—	1	2	1	—
Alcoholism	206	157	94	68	35	16	54	42.2
Drug addiction	23	19	11	10	1	2	7	42.5
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—
Psychopathic personality	9	4	2	2	—	2	—	30.8
Primary behavior disorders	6	3	2	3	—	1	—	—
Other, unclassified, and unknown	25	15	18	11	8	16	15	—

<sup>1</sup>Excluding data for certain hospitals in Ohio, Maryland, Virginia, North Carolina, Georgia, Tennessee, Mississippi, Louisiana, and California, not reported by sex.

MENTAL DISEASE

TABLE 117.—FEMALE FIRST ADMISSIONS TO PRIVATE HOSPITALS FOR MENTAL DISEASE, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total <sup>1</sup>	7,758	35	209	506	766	917	876	775
With psychosis	6,900	17	194	468	698	782	726	661
General paresis	57	1			9	4	5	7
With other forms of syphilis of the C.N.S.	25			2	1	5	1	5
With epidemic encephalitis	15		1	2	4		1	
With other infectious diseases	51		3	5	3	4	9	7
Alcoholic	174				10	30	35	32
Due to drugs and other exogenous poisons	155	1		2	11	22	12	26
Traumatic	50		1		5		2	3
With cerebral arteriosclerosis	365							2
With other disturbances of circulation	44			1	1			6
With convulsive disorders	50		3	4		7	5	
Senile	505							
Involuntary psychoses	778		2	1	6	12	32	90
Due to other metabolic, etc., diseases	76			4	10	9	6	6
Due to new growth	12					1		5
With organic changes of the nervous system	50		2	1	7	3	3	5
Psychoneuroses	910	5	26	60	124	134	128	108
Manic-depressive	1,486		34	118	170	220	222	176
Dementia præcox (schizophrenia)	1,405	4	97	232	277	262	189	110
Paranoia and paranoid conditions	253	1		5	16	27	29	39
With psychopathic personality	95		7	10	19	17	14	7
With mental deficiency	65	3	8	5	7	7	8	5
Other, undiagnosed, and unknown	339	2	10	16	20	20	25	24
Without psychosis	858	18	15	38	68	135	150	114
Epilepsy	14	4	1	1		4	1	1
Mental deficiency	29	1	2	1	4	2	1	6
Alcoholism	290			3	24	61	68	52
Drug addiction	118			5	8	19	26	17
Personality disorders due to epidemic encephalitis	3				1	1		
Psychopathic personality	78		5	11	13	17	15	6
Primary behavior disorders	45	11	5	1	3	6	7	3
Other, unclassified, and unknown	261	2	2	16	15	25	30	29

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total <sup>1</sup>	709	718	499	392	359	595	382	42.4
With psychosis	634	655	464	364	339	554	346	45.0
General paresis	8	13	5		2	2	1	
With other forms of syphilis of the C.N.S.	2	5	2			2	2	
With epidemic encephalitis	4	2		1				
With other infectious diseases	6	6	3	3		2		
Alcoholic	24	17	10	7	4	1	4	41.6
Due to drugs and other exogenous poisons	17	17	8	7	7	3	2	43.6
Traumatic	2	7	5		2	3	2	
With cerebral arteriosclerosis	5	24	40	61	74	139	20	67.7
With other disturbances of circulation	2	5	7	7	4	8	3	
With convulsive disorders	4	1	2	2	1	1		
Senile		7	9	47	115	320	9	70+
Involuntary psychoses	169	198	137	76	32	11	12	51.8
Due to other metabolic, etc., diseases	9	6	10	4	6		6	
Due to new growth	1	1	2		1	2	1	
With organic changes of the nervous system	7	3	3	6	5	5		
Psychoneuroses	76	91	57	44	22	16	19	38.8
Manic-depressive	154	137	103	68	40	13	31	39.2
Dementia præcox (schizophrenia)	65	52	17	9	10	7	74	31.1
Paranoia and paranoid conditions	50	29	24	11	7	6	9	45.5
With psychopathic personality	4	5	3	2	1	1	5	
With mental deficiency	7	4	3	3	3	1	1	
Other, undiagnosed, and unknown	18	23	14	6	5	5	151	
Without psychosis	75	65	35	28	20	41	36	39.3
Epilepsy			2					
Mental deficiency		4		3	2	3		
Alcoholism	34	26	11	2	3		6	39.0
Drug addiction	17	9	4	3		2	6	39.3
Personality disorders due to epidemic encephalitis			1					
Psychopathic personality	4	4	1		2			
Primary behavior disorders	2	3	2	1	1			
Other, unclassified, and unknown	18	19	14	19	12	56	24	

<sup>1</sup>Excluding data for certain hospitals in Ohio, Maryland, Virginia, North Carolina, Georgia, Tennessee, Mississippi, Louisiana, and California, not reported by sex.

## PSYCHOPATHIC HOSPITALS

In the following tables data are recorded for seven psychopathic hospitals: Boston (Mass.), Syracuse (N. Y.), and Colorado Psychopathic Hospitals; New York State Psychiatric Institute and Hospital; Iowa and Galveston (Tex.) State Psychopathic Hospitals; and Cook County Psychopathic Hospital in Illinois. Patients given in this section have not been included in totals reported for all mental hospitals in the first part of this report. However, if it is desired that data in both sections be combined, the format of the tables has been arranged so that it can readily be done.

Several factors should be borne in mind if these data are combined with other mental hospital data. Various practices are observed in the statistical designation of an admitted patient in the psychopathic hospitals and in the State hospitals in the same States. In the New York State Psychiatric Institute and in Boston, Syracuse, and Colorado State psychopathic hospitals, a patient who has been designated as a first admission is a readmission upon each subsequent admission to a State hospital for mental disease. In Iowa and Galveston State psychopathic hospitals and in Cook County hospital, a patient upon admission is designated as a first admission on his first entry to that particular hospital for treatment. However, upon the first subsequent admission to a State hospital, he is again termed a first admission. This difference in usage of terminology does not make for ready combination of these data with State hospital data, since undoubtedly some patients recorded as first admissions in Iowa, Texas, and Illinois are duplicated in both sets of statistics.

It is believed by some that patients cared for in psychopathic hospitals in those States in which they are maintained, as well as in psychiatric wards of general hospitals where that type of treatment is available, are similar to those patients with transient mental disorders, in most cases not sufficiently disturbed for State hospital care. Many States reported neither psychopathic hospitals nor psychiatric wards in general hospitals. Whether in this eventuality the patient seeks admission to a State hospital or whether he remains unhospitalized is a moot question.

**Movement of patient population.**—At the end of the year 1939, there were 700 patients on the books of psychopathic hospitals, 574 in residence and 126 on parole or otherwise absent. The total number of admissions was 10,803. Obviously there was far greater turn-over in psychopathic hospitals than in other public hospitals for mental disease. Of all admissions, 82.7 percent were first admissions. The number of admissions by transfer was small (10); while the number of separations by transfer (5,304) constituted nearly half of all separations (10,867).

Dementia praecox was the largest single clinical diagnosis of resident patients at the end of 1939. There were 141 patients with this diagnosis. Comparatively large proportions of the total patients (589) were diagnosed with psychoneuroses (56) and manic-depressive psychosis (63). Each of the other clinical diagnoses had few patients. The large number of resident patients placed in the category "Other, undiagnosed, and unknown" with psychosis is due to the fact that one hospital did not have available the clinical distribution of patients in residence at the end of the year. The date of reporting of resident patients by age and clinical diagnosis differs from that of those resident patients reported earlier in the discussion as part of movement of patient population.

The median ages of total patients in residence in psychopathic hospitals were considerably younger than those of resident patients in State hospitals.

Dementia praecox was responsible for the largest number of first admissions to psychopathic hospitals (1,972). Alcoholic psychosis had the second largest frequency (1,234). This latter diagnosis was given to a characteristically large proportion of males. By far the largest part of first admissions with alcoholic psychosis were reported in Massachusetts and Illinois, 1,150 of a total of 1,234. Since the number of patients in residence with alcoholic psychosis were few, it is plain that the turn-over for this diagnosis was high.

The median ages of first admissions were higher than the median ages of resident patients. This may be accounted for by the fact that a larger proportion of patients in residence than of first admissions were diagnosed with dementia praecox, and dementia praecox is one of the psychoses of youth. The median age on first admission of dementia praecox patients was 29.4 years for males and 32.1 years for females.

Apparently, the clinical diagnoses with large numbers of first admissions were also responsible for large numbers of readmissions. Of psychotic patients discharged, 10.0 percent were indicated as with condition recovered, 31.1 percent improved, and 34.0 percent unimproved. The remainder were without psychosis. These proportions may be compared with the corresponding proportions in State hospitals for mental disease, 34.1 percent recovered, 54.0 percent improved, and 9.9 percent unimproved. The median age of patients discharged was less than that reported for first admissions, in spite of the fact that discharged patients include readmissions as well as first admissions, and the average age of readmissions is probably higher than that of first admissions. In the main this is due to the older patients, those with cerebral arteriosclerosis and senile psychosis, who are not likely to be discharged, but will either stay in that hospital until death or will be transferred to a State hospital. Patients with dementia praecox and manic-depressive psychosis have a larger turnover and more frequent hospital admissions.

There were 168 deaths in psychopathic hospitals during the year. Of these deaths, 157 were of psychotic patients. Of all deaths 155, or 92.3 percent, occurred within less than 1 month of hospital residence. No deaths took place after more than 6 months of hospital residence. This is an indication of the limited periods of time that psychopathic hospitals retain patients in residence, as well as of the less acutely serious condition of patients admitted.

The median age at death for all male patients was 56.3 years, as compared with 55.8 years for all females. These may be compared with the median ages at death in State hospitals (64.3 years for males and 64.6 years for females), which were older because they include a large proportion of patients with the psychoses of old age—senile psychosis and cerebral arteriosclerosis.

TABLE 118.—MOVEMENT OF PATIENT POPULATION IN PSYCHOPATHIC HOSPITALS, BY STATES: 1939

AREA	ON BOOKS AT BEGINNING OF YEAR			ADMISSIONS						
	Total	In hospital	On parole or otherwise absent	Total	First admissions	Readmissions	Transfers			
United States	764	619	145	10,805	8,929	1,884	10			
Massachusetts	121	77	44	2,114	1,575	534	7			
New York	278	194	84	940	769	168	5			
Illinois	150	150	—	6,141	5,172	969	—			
Iowa	55	38	17	355	310	45	—			
Texas	96	96	—	459	419	20	—			
Colorado	84	84	—	816	686	130	—			
	SEPARATIONS					ON BOOKS AT END OF YEAR				
	Total	Discharges			Transfers	Deaths		Total	In hospital	On parole or otherwise absent
		Total	Direct from hospital	While on parole		In hospital	While on parole			
United States	10,867	5,393	5,246	147	5,504	168	2	700	574	126
Massachusetts	2,110	2,027	1,986	41	58	24	1	125	75	50
New York	1,005	770	692	78	222	12	1	215	165	60
Illinois	6,134	1,242	1,242	—	4,780	112	—	137	157	—
Iowa	351	293	265	28	58	—	—	57	41	16
Texas	435	401	401	—	35	1	—	100	100	—
Colorado	832	660	660	—	153	19	—	68	68	—

TABLE 119.—RESIDENT PATIENTS AT THE END OF THE YEAR IN PSYCHOPATHIC HOSPITALS, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of patients is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total	589	27	47	57	64	49	61	40
With psychosis	512	10	36	51	57	43	49	34
General paresis	20	1			1		5	5
With other forms of syphilis of the C.N.S.	1				1			
With epidemic encephalitis	3	1						2
With other infectious diseases								
Alcoholic	9						4	1
Due to drugs and other exogenous poisons	4					1	1	1
Traumatic	1							1
With cerebral arteriosclerosis	12							
With other disturbances of circulation	3		1					
With convulsive disorders	3						2	
Senile	5							
Involuntary psychoses	16							2
Due to other metabolic, etc., diseases	5					1		1
Due to new growth								
With organic changes of the nervous system	4	1			1			1
Psychoneuroses	56	2	10	7	10	5	11	4
Manic-depressive	65	1	4	10	9	10	9	6
Dementia praecox (schizophrenia)	141	2	18	29	31	26	15	6
Paranoia and paranoid conditions	11			1	1		2	3
With psychopathic personality	4		2					1
With mental deficiency	1			1				
Other, undiagnosed, and unknown	152	2	1	3	3		2	
Without psychosis	77	17	11	6	7	6	12	6
Epilepsy	5	2				1		
Mental deficiency	14	2	3	4	2	2		
Alcoholism	10						4	2
Drug addiction								
Personality disorders due to epidemic encephalitis	1			1				
Psychopathic personality	20	1	5	1	4	2	3	2
Primary behavior disorders	20	12	3		1		2	
Other, unclassified, and unknown	9					1	3	2
		AGE (IN YEARS)—Continued						Median age (in years)
		45-49	50-54	55-59	60-64	65-69	70 and over	Un-known
Total		38	27	20	11	7	4	137
With psychosis		33	24	19	10	5	4	137
General paresis		3	5	2				
With other forms of syphilis of the C.N.S.								
With epidemic encephalitis								
With other infectious diseases								
Alcoholic		2	1	1				
Due to drugs and other exogenous poisons			1					
Traumatic								
With cerebral arteriosclerosis		2	1	1	2	4	2	
With other disturbances of circulation				2				
With convulsive disorders			1					
Senile					1		2	
Involuntary psychoses		3	5	2	4			
Due to other metabolic, etc., diseases		1	1	1				
Due to new growth								
With organic changes of the nervous system					1			
Psychoneuroses		5		1	1			
Manic-depressive		8	4	2				
Dementia praecox (schizophrenia)		5	4	4		1		28.5
Paranoia and paranoid conditions		2	1		1			
With psychopathic personality		1						
With mental deficiency								
Other, undiagnosed, and unknown		1		3				137
Without psychosis		5	3	1	1	2		
Epilepsy								
Mental deficiency			1					
Alcoholism		3		1				
Drug addiction								
Personality disorders due to epidemic encephalitis								
Psychopathic personality		1			1			
Primary behavior disorders			1			1		
Other, unclassified, and unknown		1	1			1		



TABLE 120.—RESIDENT PATIENTS AT THE END OF THE YEAR IN PSYCHOPATHIC HOSPITALS, BY MENTAL DISORDER, BY STATES: 1939

AREA	All resident patients	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C.N.S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders
United States	599	512	20	1	5	—	9	4	1	12	5	5
Massachusetts	75	67	6	1	—	—	4	1	—	—	1	2
New York	168	155	—	—	3	—	3	1	—	3	—	—
Illinois	157	157	—	—	—	—	—	—	—	—	—	—
Iowa	41	35	—	—	—	—	—	2	—	—	—	—
Texas	100	81	5	—	—	—	—	—	1	—	2	—
Colorado	68	59	11	—	—	—	2	—	—	4	—	1

WITH PSYCHOSIS—Continued												
	Senile	Involuntary psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States	5	16	5	—	4	56	65	141	11	4	1	152
Massachusetts	—	5	2	—	2	6	10	15	9	1	—	6
New York	—	5	2	—	1	19	25	58	—	3	—	6
Illinois	—	—	—	—	—	—	—	—	—	—	—	157
Iowa	1	2	—	—	1	8	8	9	—	—	—	5
Texas	—	6	—	—	—	13	12	35	1	—	1	—
Colorado	2	—	—	—	—	5	8	25	1	—	—	—

WITHOUT PSYCHOSIS									
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States	77	5	14	10	—	1	20	20	9
Massachusetts	8	—	1	5	—	—	1	2	1
New York	55	1	10	6	—	—	4	11	1
Illinois	—	—	—	—	—	—	—	—	—
Iowa	8	—	—	—	—	—	4	1	5
Texas	19	—	1	—	—	1	8	6	5
Colorado	9	2	2	1	—	—	5	6	1

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PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 121.—RESIDENT PATIENTS AT THE END OF THE YEAR IN PSYCHOPATHIC HOSPITALS, BY AGE, BY STATES: 1939

AREA	All resident patients	WITH PSYCHOSIS										
		All ages	AGE (IN YEARS)									
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49		
United States	589	512	10	56	51	57	45	49	34	55		
Massachusetts	75	67	1	4	7	10	7	10	7	7		
New York	168	155	6	15	20	22	19	17	10	8		
Illinois	157	157	—	—	—	—	—	—	—	—		
Iowa	41	35	2	7	6	4	4	2	—	2		
Texas	100	81	—	7	9	16	9	10	11	10		
Colorado	68	59	1	5	9	5	4	10	6	6		
		WITH PSYCHOSIS—Continued					WITHOUT PSYCHOSIS					
		AGE (IN YEARS)—Continued					All ages	AGE (IN YEARS)				
		50-54	55-59	60-64	65-69	70 and over		Unknown	Under 15	15-19	20-24	25-29
United States		24	19	10	5	4	157	77	17	11	6	7
Massachusetts		5	6	3	—	—	—	8	2	2	—	—
New York		7	5	—	4	2	—	55	15	6	4	3
Illinois		—	—	—	—	—	157	—	—	—	—	—
Iowa		1	4	1	—	—	—	8	1	1	1	—
Texas		2	3	4	—	—	—	19	—	2	1	—
Colorado		9	1	2	1	2	—	9	1	—	—	—
		WITHOUT PSYCHOSIS—Continued										
		AGE (IN YEARS)—Continued										
		30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Unknown	
United States		6	12	6	5	3	1	1	2	—	—	
Massachusetts		1	2	—	1	—	—	—	—	—	—	
New York		—	3	1	2	—	1	—	—	—	—	
Illinois		—	—	—	—	—	—	—	—	—	—	
Iowa		—	4	—	1	—	—	—	—	—	—	
Texas		2	2	2	1	2	—	1	2	—	—	
Colorado		3	1	3	—	1	—	—	—	—	—	

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MENTAL DISEASE

TABLE 122.—FIRST ADMISSIONS TO PSYCHOPATHIC HOSPITALS, BY AGE, BY MENTAL DISORDER: 1939

(Median not shown where number of admissions is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total	8,929	176	553	698	928	955	1,124	996
With psychosis	7,575	56	356	571	789	795	947	850
General paresis	399	4	5	3	11	29	71	79
With other forms of syphilis of the C.N.S.	99	3	1	3	7	13	16	4
With epidemic encephalitis	14	2	2	1	2	1	2	3
With other infectious diseases	21	—	1	1	3	5	2	2
Alcoholic	1,234	—	2	16	87	159	263	213
Due to drugs and other exogenous poisons	69	—	1	3	7	11	11	12
Traumatic	43	—	6	5	3	1	6	7
With cerebral arteriosclerosis	398	—	—	1	2	2	2	5
With other disturbances of circulation	29	—	1	1	1	—	1	3
With convulsive disorders	127	4	20	15	23	8	12	12
Senile	644	—	—	—	1	5	7	8
Involuntional psychoses	256	—	2	—	—	1	5	38
Due to other metabolic, etc., diseases	95	—	1	8	5	4	8	8
Due to new growth	16	—	—	1	2	1	1	3
With organic changes of the nervous system	257	13	4	6	10	19	14	32
Psychoneuroses	581	5	31	55	83	73	100	71
Manic-depressive	386	2	26	44	39	50	56	49
Dementia praecox (schizophrenia)	1,972	12	177	333	413	317	261	161
Paranoia and paranoid conditions	299	1	—	2	14	28	31	54
With psychopathic personality	56	1	6	11	6	11	8	8
With mental deficiency	156	4	23	21	23	28	18	14
Other, undiagnosed, and unknown	424	7	27	41	47	33	52	44
Without psychosis	1,354	120	197	127	139	160	177	146
Epilepsy	45	11	8	5	4	7	4	3
Mental deficiency	133	18	41	24	12	8	6	10
Alcoholism	413	1	6	14	39	73	86	70
Drug addiction	19	—	—	2	2	4	3	3
Personality disorders due to epidemic encephalitis	7	2	1	1	1	—	2	—
Psychopathic personality	260	4	49	38	41	35	35	25
Primary behavior disorders	222	75	71	19	9	13	7	11
Other, unclassified, and unknown	255	9	21	24	31	20	34	24

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total	870	751	580	394	290	545	89	40.3
With psychosis	754	669	551	381	274	537	85	41.5
General paresis	63	42	44	28	10	6	4	44.7
With other forms of syphilis of the C.N.S.	14	12	16	2	5	—	1	—
With epidemic encephalitis	—	1	—	—	—	—	—	—
With other infectious diseases	2	2	1	1	1	1	1	—
Alcoholic	183	140	83	49	19	10	10	42.0
Due to drugs and other exogenous poisons	4	12	5	2	—	—	1	—
Traumatic	5	2	1	2	—	—	5	—
With cerebral arteriosclerosis	17	36	66	79	72	112	2	64.1
With other disturbances of circulation	2	4	6	6	2	2	—	—
With convulsive disorders	16	8	4	—	—	—	3	30.0
Senile	5	13	39	77	111	357	23	70+
Involuntional psychoses	76	68	54	17	7	7	1	50.4
Due to other metabolic, etc., diseases	14	15	17	10	2	3	—	—
Due to new growth	2	2	2	1	—	1	—	—
With organic changes of the nervous system	34	44	37	21	17	5	1	49.4
Psychoneuroses	52	47	35	20	4	5	2	37.2
Manic-depressive	46	33	29	7	3	1	1	37.8
Dementia praecox (schizophrenia)	106	81	44	20	5	1	21	30.6
Paranoia and paranoid conditions	61	48	30	20	6	3	1	46.6
With psychopathic personality	2	—	2	—	—	—	1	—
With mental deficiency	9	11	2	1	—	—	2	31.1
Other, undiagnosed, and unknown	41	46	32	18	10	21	5	—
Without psychosis	116	82	49	13	16	8	4	32.8
Epilepsy	2	—	—	—	—	—	1	—
Mental deficiency	3	7	1	1	2	—	—	21.6
Alcoholism	54	36	23	4	2	2	3	39.2
Drug addiction	2	2	1	—	—	—	—	—
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—
Psychopathic personality	20	7	4	1	1	—	—	29.8
Primary behavior disorders	5	6	3	1	2	—	—	17.5
Other, unclassified, and unknown	30	24	17	6	9	6	—	—

TABLE 123.—FIRST ADMISSIONS TO PSYCHOPATHIC HOSPITALS, BY MENTAL DISORDER, BY STATES: 1939

AREA	All first admissions	WITH PSYCHOSIS											
		Total	General paresis	With other forms of syphilis of the C.N.S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With other disturbances of circulation	With convulsive disorders	
United States	8,929	7,575	399	99	14	21	1,234	69	43	398	29	127	
Massachusetts	1,573	1,159	56	3	2	1	177	26	3	7	8	26	
New York	769	593	25	3	5	5	53	8	6	68	5	8	
Illinois	5,172	4,808	252	87	6	11	973	22	22	290	5	78	
Iowa	310	195	2	1	—	—	5	4	3	2	—	2	
Texas	419	329	9	2	—	—	2	1	6	3	4	—	
Colorado	666	491	55	3	1	4	24	8	3	28	7	15	
WITH PSYCHOSIS—Continued													
		Senile	Involitional psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoneuroses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed and unknown
United States	644	256	98	18	257	581	386	1,972	299	56	158	424	
Massachusetts	19	38	18	3	27	133	122	247	64	19	36	124	
New York	5	44	12	3	8	80	64	155	4	5	6	21	
Illinois	559	144	57	5	208	175	75	1,247	212	25	96	259	
Iowa	4	14	3	1	7	50	45	34	6	2	—	10	
Texas	4	16	3	—	7	76	48	124	9	1	5	9	
Colorado	53	—	2	4	—	67	32	165	4	4	13	1	
WITHOUT PSYCHOSIS													
		Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown			
United States	1,354	45	133	413	19	7	280	222	255				
Massachusetts	414	11	43	143	5	—	80	106	28				
New York	176	7	38	39	—	—	33	40	17				
Illinois	364	5	23	168	12	1	55	8	112				
Iowa	115	—	2	1	3	2	38	40	29				
Texas	90	6	6	7	—	2	35	17	17				
Colorado	195	16	21	55	1	—	39	11	52				

TABLE 124.—FIRST ADMISSIONS TO PSYCHOPATHIC HOSPITALS, BY AGE, BY STATES: 1939

AREA	All first admissions	WITH PSYCHOSIS									
		All ages	AGE (IN YEARS)								
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	
United States	8,929	7,575	56	336	571	789	795	947	860	754	
Massachusetts	1,575	1,159	14	80	117	157	131	171	156	109	
New York	769	593	15	42	69	58	54	74	74	52	
Illinois	5,172	4,808	19	148	283	447	487	570	551	496	
Iowa	310	195	2	24	24	22	27	21	20	19	
Texas	419	329	1	24	33	55	50	47	33	34	
Colorado	686	491	5	18	45	50	46	64	56	44	
WITH PSYCHOSIS—Continued					WITHOUT PSYCHOSIS						
AGE (IN YEARS)—Continued					AGE (IN YEARS)						
	50-54	55-59	60-64	65-69	70 and over	Un-known	All ages	Under 15	15-19	20-24	25-29
United States	689	531	381	274	537	85	1,364	120	197	127	139
Massachusetts	117	87	23	6	11	—	414	45	75	39	47
New York	43	37	29	16	28	2	176	45	44	14	7
Illinois	427	345	284	250	467	76	364	5	18	36	38
Iowa	16	13	2	4	1	—	115	14	22	8	10
Texas	19	22	9	2	—	—	90	3	12	15	16
Colorado	47	29	34	16	30	7	195	12	26	15	21
WITHOUT PSYCHOSIS—Continued											
AGE (IN YEARS)—Continued											
	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
United States	160	177	146	116	82	49	15	16	8	4	
Massachusetts	42	51	38	31	21	21	2	1	1	—	
New York	16	12	16	10	10	2	2	—	—	—	
Illinois	49	64	52	44	26	11	4	11	4	4	
Iowa	14	14	9	11	6	5	1	1	—	—	
Texas	16	11	8	2	5	1	2	1	—	—	
Colorado	25	25	23	18	16	9	2	2	3	—	

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TABLE 125.—READMISSIONS TO PSYCHOPATHIC HOSPITALS, BY SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	Total	Male	Fe- male	MENTAL DISORDER	Total	Male	Fe- male
Total	1,864	1,086	778	With psychosis—Continued			
With psychosis	1,655	946	709	With organic changes of the nervous system	42	26	16
General paresis	56	28	8	Psychoneuroses	74	28	46
With other forms of syphilis of C.N.S.	10	4	6	Manic-depressive	181	71	110
With epidemic encephalitis	1	1	—	Dementia praecox (schizophrenia)	589	547	242
With other infectious diseases	1	1	—	Paranoia and paranoid conditions	57	14	43
Alcoholic	320	267	53	With psychopathic personality	31	14	17
Due to drugs and other exogenous poisons	9	4	5	With mental deficiency	39	19	20
Traumatic	6	4	2	Other, undiagnosed, and unknown	87	41	46
With cerebral arteriosclerosis	40	26	14	Without psychosis	209	140	69
With other disturbances of circulation	7	1	6	Epilepsy	9	2	7
With convulsive disorders	50	24	26	Mental deficiency	13	9	4
Senile	39	15	24	Alcoholism	87	66	21
Involuntional psychoses	26	3	23	Drug addiction	2	—	2
Due to other metabolic, etc., diseases	8	7	1	Personality disorders due to epidemic encephalitis	—	—	—
Due to new growth	2	1	1	Psychopathic personality	47	27	20
				Primary behavior disorders	14	9	5
				Other, unclassified, and unknown	37	27	10

TABLE 126.—PATIENTS DISCHARGED FROM PSYCHOPATHIC HOSPITALS, BY CONDITION ON DISCHARGE AND SEX, BY MENTAL DISORDER: 1939

MENTAL DISORDER	ALL DISCHARGES			CONDITION ON DISCHARGE							
	Total	Male	Fe- male	Recovered		Improved		Unimproved		Unclassified	
				Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
With psychosis	3,932	2,183	1,749	226	169	662	561	703	654	592	306
General paresis	117	67	30	1	—	48	14	32	15	6	1
With other forms of syphilis of C.N.S.	15	9	6	—	—	2	3	3	1	4	2
With epidemic encephalitis	6	4	2	—	1	1	—	2	1	1	—
With other infectious diseases	8	3	5	—	—	1	2	1	1	1	2
Alcoholic	648	523	125	121	21	85	25	59	12	258	67
Due to drugs and other exogenous poisons	57	26	31	9	11	8	15	1	2	8	3
Traumatic	26	18	8	2	1	7	2	6	3	3	2
With cerebral arteriosclerosis	102	63	39	2	—	23	9	17	17	21	13
With other disturbances of circulation	19	12	7	4	1	7	3	—	2	1	1
With convulsive disorders	84	47	37	5	4	13	15	23	11	6	7
Senile	112	49	63	—	—	7	8	17	21	25	34
Involuntional psychoses	108	25	83	—	6	11	25	13	54	1	18
Due to other metabolic, etc., diseases	44	20	24	3	9	4	4	7	7	6	4
Due to new growth	11	7	4	—	—	2	—	4	3	1	1
With organic changes of the nervous system	85	57	26	4	2	6	7	30	12	17	5
Psychoneuroses	551	257	294	24	18	165	186	33	50	35	40
Manic-depressive	448	179	269	24	55	75	86	79	115	3	13
Dementia praecox (schizophrenia)	896	484	412	17	31	154	115	227	188	86	80
Paranoia and paranoid conditions	139	58	81	—	—	9	9	30	45	19	27
With psychopathic personality	58	30	28	3	2	8	10	14	14	5	2
With mental deficiency	91	55	36	4	3	10	7	28	17	13	9
Other, undiagnosed, and unknown	309	170	139	3	4	18	16	77	65	72	54
Without psychosis	1,461	976	485								
Epilepsy	56	34	22								
Mental deficiency	143	101	42								
Alcoholism	447	349	98								
Drug addiction	20	6	14								
Personality disorders due to epidemic encephalitis	6	4	2								
Psychopathic personality	292	192	100								
Primary behavior disorders	253	143	110								
Other, unclassified, and unknown	244	147	97								

TABLE 127.—DISCHARGES FROM PSYCHOPATHIC HOSPITALS, BY AGE, BY MENTAL DISORDER: 1939  
(Median not shown where number of discharges is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
Total	5,395	191	458	510	664	671	695	630
With psychosis	5,932	48	237	376	504	478	529	468
General paresis	117	1	2	5	2	10	18	29
With other forms of syphilis of the C.N.S.	15	5	1	—	5	1	2	1
With epidemic encephalitis	6	—	1	—	1	—	—	2
With other infectious diseases	8	—	1	2	2	1	1	1
Alcoholic	648	—	2	13	55	88	140	114
Due to drugs and other exogenous poisons	57	—	1	3	5	11	7	9
Traumatic	26	—	7	5	1	1	4	3
With cerebral arteriosclerosis	102	—	—	—	—	—	1	—
With other disturbances of circulation	19	—	—	—	—	—	2	3
With convulsive disorders	94	2	10	16	12	8	10	6
Senile	112	—	—	—	—	—	1	3
Involuntary psychoses	108	—	—	—	—	—	2	15
Due to other metabolic, etc., diseases	44	—	—	5	3	5	5	7
Due to new growth	11	—	—	1	1	—	2	2
With organic changes of the nervous system	85	16	4	6	5	11	6	8
Psychoneuroses	551	3	27	65	99	89	84	67
Manic-depressive	448	2	28	43	50	60	57	65
Dementia præcox (schizophrenia)	896	9	101	171	202	125	115	59
Paranoia and paranoid conditions	159	—	1	2	7	16	14	31
With psychopathic personality	58	1	10	11	6	6	8	9
With mental deficiency	91	5	17	7	13	13	16	7
Other, undiagnosed, and unknown	309	6	24	27	39	36	37	27
Without psychosis	1,461	145	221	134	160	195	164	102
Epilepsy	56	13	11	6	6	8	3	4
Mental deficiency	145	22	41	26	15	9	4	13
Alcoholism	447	1	6	16	42	85	85	80
Drug addiction	20	—	—	2	3	4	3	4
Personality disorders due to epidemic encephalitis	6	2	1	—	—	—	—	—
Psychopathic personality	292	6	55	43	47	50	34	28
Primary behavior disorders	253	89	83	24	10	15	6	11
Other, unclassified, and unknown	244	10	26	17	38	24	28	22

MENTAL DISORDER	AGE (IN YEARS)—Continued							Median age (in years)
	45-49	50-54	55-59	60-64	65-69	70 and over	Un-known	
Total	521	459	284	154	77	98	25	36.4
With psychosis	404	348	237	124	68	91	20	38.0
General paresis	18	11	16	7	—	—	—	45.9
With other forms of syphilis of the C.N.S.	1	1	2	—	—	—	—	—
With epidemic encephalitis	—	1	—	—	—	—	—	—
With other infectious diseases	—	—	—	—	—	—	—	—
Alcoholic	104	65	42	18	9	2	3	41.4
Due to drugs and other exogenous poisons	3	10	3	2	1	2	—	—
Traumatic	1	2	1	—	1	—	—	—
With cerebral arteriosclerosis	7	14	19	25	17	21	—	62.2
With other disturbances of circulation	1	4	3	5	1	—	—	—
With convulsive disorders	14	3	2	—	—	—	1	—
Senile	—	3	12	18	19	52	4	69.5
Involuntary psychoses	31	30	18	7	2	2	1	50.9
Due to other metabolic, etc., diseases	10	6	3	2	—	—	—	—
Due to new growth	2	2	—	1	—	—	—	—
With organic changes of the nervous system	9	7	6	4	—	—	1	—
Psychoneuroses	40	37	29	10	2	—	1	34.7
Manic-depressive	54	44	31	10	2	2	—	38.6
Dementia præcox (schizophrenia)	51	39	15	4	2	—	5	29.1
Paranoia and paranoid conditions	22	24	12	3	5	1	1	44.7
With psychopathic personality	2	2	2	—	—	—	1	—
With mental deficiency	6	6	1	—	—	—	—	—
Other, undiagnosed, and unknown	28	37	20	10	7	9	2	—
Without psychosis	117	91	47	10	9	7	5	31.8
Epilepsy	2	3	—	—	—	—	—	—
Mental deficiency	4	8	1	1	1	—	—	21.6
Alcoholism	59	42	24	4	—	2	3	39.4
Drug addiction	3	—	1	—	—	—	—	—
Personality disorders due to epidemic encephalitis	—	—	1	—	—	—	—	—
Psychopathic personality	16	9	5	—	1	—	—	29.7
Primary behavior disorders	5	5	3	1	1	—	—	17.3
Other, unclassified, and unknown	28	24	12	4	6	5	—	—

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TABLE 128.—DEATHS OF PATIENTS IN PSYCHOPATHIC HOSPITALS, BY DURATION OF HOSPITAL LIFE, BY MENTAL DISORDER: 1939

MENTAL DISORDER	All deaths	DURATION OF HOSPITAL LIFE			
		Less than 1 month	1-5 months	4-6 months	Over 6 months and unknown
Total	168	155	10	3	
With psychosis	157	144	10	3	
General paresis	8	5	2	1	
With other forms of syphilis of the C.N.S.	4	3	1		
With epidemic encephalitis					
With other infectious diseases	7	7			
Alcoholic	16	16			
Due to drugs and other exogenous poisons	1	1			
Traumatic					
With cerebral arteriosclerosis	19	18		1	
With other disturbances of circulation	8	7	1		
With convulsive disorders	1	1			
Senile	25	21	2		
Involutional psychoses	4	4			
Due to other metabolic, etc., diseases	9	8	1		
Due to new growth	1		1		
With organic changes of the nervous system	14	15	1		
Psychoneuroses					
Manic-depressive	5	4		1	
Dementia praecox (schizophrenia)	2	2			
Paranoia and paranoid conditions					
With psychopathic personality					
With mental deficiency					
Other, undiagnosed, and unknown	35	34	1		
Without psychosis	11	11			
Epilepsy					
Mental deficiency					
Alcoholism	2	2			
Drug addiction					
Personality disorders due to epidemic encephalitis					
Psychopathic personality					
Primary behavior disorders					
Other, unclassified, and unknown	9	9			



TABLE 129.—DEATHS OF PATIENTS IN PSYCHOPATHIC HOSPITALS, BY AGE, BY MENTAL DISORDER:  
1939

(Median not shown where number of deaths is less than 100)

MENTAL DISORDER	All ages	AGE (IN YEARS)							
		Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54
Total	168	—	2	8	7	11	11	13	24
With psychosis	157	—	2	7	6	11	10	10	24
General paresis	8	—	—	—	1	1	—	—	4
With other forms of syphilis of the C.N.S.	4	—	—	—	—	—	—	—	1
With epidemic encephalitis	—	—	—	—	—	—	—	—	—
With other infectious diseases	7	—	—	—	—	1	2	—	—
Alcoholic	16	—	1	—	4	5	8	1	1
Due to drugs and other exogenous poisons	1	—	—	—	—	—	—	—	—
Traumatic	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	19	—	—	—	—	—	—	—	5
With other disturbances of circulation	8	—	—	—	—	—	2	1	2
With convulsive disorders	1	—	—	—	—	—	—	1	—
Senile	25	—	—	—	—	—	—	—	—
Involuntary psychoses	4	—	—	—	—	—	—	2	1
Due to other metabolic, etc., diseases	9	—	—	—	—	—	—	—	4
Due to new growth	1	—	—	—	—	—	—	—	—
With organic changes of the nervous system	14	—	1	1	—	1	1	1	1
Psychoneuroses	—	—	—	—	—	—	—	—	—
Manic-depressive	5	—	—	1	1	2	—	—	—
Dementia praecox (schizophrenia)	2	—	—	1	—	1	—	—	—
Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—
With psychopathic personality	—	—	—	—	—	—	—	—	—
With mental deficiency	—	—	—	—	—	—	—	—	—
Other, undiagnosed, and unknown	55	—	—	4	—	—	2	4	5
Without psychosis	11	—	—	1	1	—	1	3	—
Epilepsy	—	—	—	—	—	—	—	—	—
Mental deficiency	—	—	—	—	—	—	—	—	—
Alcoholism	2	—	—	1	—	—	—	1	—
Drug addiction	—	—	—	—	—	—	—	—	—
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—	—
Psychopathic personality	—	—	—	—	—	—	—	—	—
Primary behavior disorders	—	—	—	—	—	—	—	—	—
Other, unclassified, and unknown	9	—	—	—	1	—	1	2	—

MENTAL DISORDER	All ages	AGE (IN YEARS)—Continued							Median age (in years)
		55-59	60-64	65-69	70-74	75-79	80-84	85 and over	
Total	21	12	14	19	8	8	3	7	56.1
With psychosis	21	11	12	17	8	8	3	7	56.2
General paresis	1	—	—	—	—	—	—	—	1
With other forms of syphilis of the C.N.S.	3	—	—	—	—	—	—	—	—
With epidemic encephalitis	—	—	—	—	—	—	—	—	—
With other infectious diseases	—	1	2	—	—	1	—	—	—
Alcoholic	1	—	—	—	—	—	—	—	—
Due to drugs and other exogenous poisons	—	—	—	1	—	—	—	—	—
Traumatic	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	3	2	—	3	3	2	—	—	1
With other disturbances of circulation	1	—	1	1	—	—	—	—	—
With convulsive disorders	—	—	—	—	—	—	—	—	—
Senile	2	3	3	7	3	3	1	1	—
Involuntary psychoses	—	—	—	1	—	—	—	—	—
Due to other metabolic, etc., diseases	2	2	—	—	1	—	—	—	—
Due to new growth	1	—	—	—	—	—	—	—	—
With organic changes of the nervous system	3	1	2	—	—	1	—	—	1
Psychoneuroses	—	—	—	—	—	—	—	—	—
Manic-depressive	—	—	1	—	—	—	—	—	—
Dementia praecox (schizophrenia)	—	—	—	—	—	—	—	—	—
Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—
With psychopathic personality	—	—	—	—	—	—	—	—	—
With mental deficiency	—	—	—	—	—	—	—	—	—
Other, undiagnosed, and unknown	4	2	3	4	1	1	2	3	—
Without psychosis	—	1	2	2	—	—	—	—	—
Epilepsy	—	—	—	—	—	—	—	—	—
Mental deficiency	—	—	—	—	—	—	—	—	—
Alcoholism	—	—	—	—	—	—	—	—	—
Drug addiction	—	—	—	—	—	—	—	—	—
Personality disorders due to epidemic encephalitis	—	—	—	—	—	—	—	—	—
Psychopathic personality	—	—	—	—	—	—	—	—	—
Primary behavior disorders	—	—	—	—	—	—	—	—	—
Other, unclassified, and unknown	—	1	2	2	—	—	—	—	—

**Overcrowding.**—In all of the psychopathic hospitals combined, the bed capacity was 78.0 percent occupied. The percentage of occupancy of hospitals in Massachusetts (78.0 percent), New York (73.5 percent), Illinois (73.1 percent), and Iowa (66.7 percent) did not differ considerably from the national average, but the hospitals in Texas (92.0 percent) and Colorado (94.9 percent) were much more nearly filled to capacity.

It is customary for a psychopathic hospital to be **undercapacity**. A certain proportion of the patients are probably emergency admissions, the number varying from time to time for each hospital. It is likely, however, that most admissions are of voluntary patients, or of patients whose type of mental disorder will advance study in some specialized phase of research activity. Effective research would be difficult in a hospital harassed by problems of overcrowding.

TABLE 130.—AVERAGE DAILY RESIDENT PATIENT POPULATION AND NORMAL CAPACITY OF PSYCHOPATHIC HOSPITALS, BY STATES: 1939

AREA	Average daily resident population	Normal capacity of hospitals	EXCESS OF POPULATION OVER CAPACITY	
			Number	Percent
United States-----	610	782	-172	-22.0
Massachusetts-----	85	109	-24	-22.0
New York-----	191	260	-69	-26.5
Illinois-----	128	175	-47	-26.9
Iowa-----	40	60	-20	-33.3
Texas-----	92	100	-8	-8.0
Colorado-----	74	78	-4	-5.1

**Administrative staff.**—There were 69 physicians, including 17 internes, in psychopathic hospitals at the end of 1939, 6 more than had been reported the previous year. There were 9 psychologists and psychometrists, 4 in Massachusetts and 3 in New York. Of the total nursing personnel, 436 employees, 212 were graduate nurses and constituted 48.6 percent of the total. This proportion may be compared with the 10.2 percent found in State hospitals for mental disease. Many of the hospitals did not have a full-time dentist on the staff. The number of resident patients per employee was 0.7, as compared with 5.7, the proportion in State hospitals for mental disease.

TABLE 131.—ADMINISTRATIVE STAFF OF PSYCHOPATHIC HOSPITALS, AND NUMBER OF PATIENTS PER EMPLOYEE, BY STATES: 1939

AREA	OFFICERS AND EMPLOYEES							
	Total	Superintendents	Assistant physicians	Medical internes	Psychologists and psychometrists	Dentists	Pharmacists	Graduate nurses
United States-----	896	7	45	17	9	2	2	212
Massachusetts-----	145	1	8	3	4	1	-----	15
New York-----	332	2	8	6	3	1	1	88
Illinois-----	187	1	8	5	-----	-----	-----	54
Iowa-----	63	1	6	2	1	-----	1	12
Texas-----	70	1	5	1	-----	-----	-----	10
Colorado-----	99	1	10	-----	1	-----	-----	53
AREA	OFFICERS AND EMPLOYEES—Continued						Average daily resident population	Number of patients per employee
	Other nurses and attendants	Occupational therapists	Social workers	Stewards	Clerical employees	All other employees		
United States-----	224	19	26	5	93	255	610	0.7
Massachusetts-----	37	2	6	-----	26	42	85	0.6
New York-----	49	10	4	2	35	123	191	0.6
Illinois-----	75	1	9	-----	12	22	128	0.7
Iowa-----	16	1	3	1	6	13	40	0.6
Texas-----	20	2	1	2	5	23	92	1.3
Colorado-----	27	3	3	-----	9	12	74	0.7

Expenditures.—Per capita expenditure for maintenance was available for six of the hospitals reporting. The average for the country was \$2,805.39. By State, the expenditures ranged from \$1,375.18 in Texas to \$3,584.91 in the New York State psychopathic hospitals. Of the total amount spent for maintenance, a larger proportion (70.9 percent) was devoted to salaries and wages than is customary in State hospitals for mental disease (54.2 percent in 1939).

TABLE 132.—EXPENDITURES OF PSYCHOPATHIC HOSPITALS, AND PER CAPITA EXPENDITURE FOR MAINTENANCE, BY STATES: 1939

AREA	Total expenditures	MAINTENANCE				
		Total	Salaries and wages	Purchased provisions		
United States-----	\$1,579,450	\$1,352,197	\$958,140	\$165,217		
Massachusetts-----	246,144	246,144	179,508	26,016		
New York-----	686,569	680,898	530,168	55,562		
Illinois <sup>1</sup> -----	-----	-----	-----	-----		
Iowa-----	123,862	119,966	78,392	19,594		
Texas-----	141,556	126,515	65,887	29,450		
Colorado-----	181,319	178,674	106,185	54,995		
		MAINTENANCE—Continued				
		Fuel, light, and water	Other maintenance	Additions, improvements, and other expenditures	Average daily resident patient population	Per capita expenditure for maintenance
United States-----	\$64,770	\$164,070	\$27,253	482	\$2,805.39	
Massachusetts-----	12,023	28,597	-----	85	2,895.81	
New York-----	35,387	59,961	5,671	191	3,584.91	
Illinois <sup>1</sup> -----	-----	-----	-----	-----	-----	
Iowa-----	4,806	17,574	3,896	40	2,999.15	
Texas-----	6,757	26,441	15,041	92	1,375.16	
Colorado-----	6,017	31,477	2,645	74	2,414.51	

<sup>1</sup>Not reported.

## PSYCHIATRIC WARDS OF GENERAL HOSPITALS

Data on the patient population in psychiatric wards of general hospitals have not been collected since 1933. At the end of that year there were reported to be 1,608 such patients. At the end of 1939 there were 4,340 patients reported in psychiatric wards of general hospitals. Of the total number of hospitals addressed, 75 reported, and they comprised 96.2 percent of all. It may be that there are other general hospitals that maintain psychiatric wards, which were not included in this enumeration. In these data we have endeavored to include all general hospitals that give treatment for mental disorders, and not those that only retain a mental patient in custody until he may be transferred elsewhere.

The patient turn-over is even larger than in psychopathic hospitals. Total admissions during the year numbered 71,292. It was deemed advisable to combine all admissions and report only total figures, because the definitions of first admissions and readmissions as employed in mental hospitals are unknown in general hospitals.

Of separations from the hospitals during the year (71,486), 65.7 percent, or 46,937, were discharges; 30.3 percent, or 21,636, were transferred to hospitals for mental disease; and 4.1 percent, or 2,913, died.

The number of admissions reported on table 134 (71,236) does not agree with the number reported on table 133 (71,292). It is customary for some hospitals to diagnose a patient on discharge rather than on admission. In these instances the number of patients for whom clinical diagnoses were reported agreed with the number of discharges rather than the number of admissions. In general, the number of admissions and of discharges in one hospital do not vary widely.

Of all admissions to hospitals during the year (71,236), 42,504 were diagnosed as with psychosis. The largest proportion of those without psychosis (28,732) were diagnosed with alcoholism (16,648).

TABLE 133.—MOVEMENT OF PATIENT POPULATION IN PSYCHIATRIC WARDS OF GENERAL HOSPITALS, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	In hospital at beginning of year	Total admissions <sup>1</sup>	SEPARATIONS				In hospital at end of year
			Total	Discharges	Transfers to State or other mental hospitals	Deaths	
United States—	4,554	71,292	71,486	46,937	21,636	2,915	4,340
NEW ENGLAND—	123	1,954	1,954	1,451	461	62	123
Massachusetts—	7	78	80	66	14	—	5
Rhode Island—	50	588	587	422	140	25	51
Connecticut—	66	1,288	1,287	943	307	37	67
MIDDLE ATLANTIC—	1,657	44,596	44,644	28,716	14,110	1,818	1,609
New York—	1,057	37,687	37,674	23,985	12,276	1,413	1,050
New Jersey—	18	1,186	1,187	724	457	26	17
Pennsylvania—	602	5,723	5,785	4,007	1,597	379	542
EAST NORTH CENTRAL—	544	4,566	4,629	3,493	944	192	481
Ohio—	79	876	895	658	214	43	80
Indiana—	25	444	452	273	166	13	17
Illinois—	191	976	1,042	737	208	97	125
Michigan—	116	1,175	1,177	952	222	23	114
Wisconsin—	133	1,095	1,065	913	154	16	165
WEST NORTH CENTRAL—	565	5,489	5,339	3,928	1,006	405	713
Minnesota—	66	1,755	1,698	1,212	316	170	103
Iowa—	145	144	145	120	—	23	146
Missouri—	116	2,599	2,304	1,618	535	151	211
Nebraska—	208	887	880	742	93	45	215
Kansas—	28	324	314	256	62	16	58

<sup>1</sup> Total admissions do not agree with those reported on table 134, since in some hospitals, admission diagnosis is first reported upon discharge, and a diagnosis break-down of admissions is not available. In those hospitals discharge diagnoses have been presented.

TABLE 133.—MOVEMENT OF PATIENT POPULATION IN PSYCHIATRIC WARDS OF GENERAL HOSPITALS, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	In hospital at beginning of year	Total admissions <sup>1</sup>	SEPARATIONS—Continued				In hospital at end of year
			Total	Discharges	Transfers to State or other mental hospitals	Deaths	
SOUTH ATLANTIC-----	662	5,203	5,448	3,912	1,375	161	417
Dist. of Col.-----	307	4,055	4,057	2,849	1,069	139	305
Virginia-----	305	572	810	507	294	9	67
Florida-----	50	576	581	556	12	13	45
EAST SOUTH CENTRAL-----	52	746	731	466	238	27	67
Kentucky-----	30	478	463	275	169	19	45
Tennessee-----	22	268	268	191	69	8	22
WEST SOUTH CENTRAL-----	99	1,709	1,707	1,341	354	32	101
Arkansas-----	-----	41	41	39	2	1	-----
Texas-----	99	1,668	1,666	1,303	332	31	101
MOUNTAIN-----	47	454	453	409	34	10	48
Colorado-----	47	454	453	409	34	10	48
PACIFIC-----	787	6,575	6,581	3,241	3,134	206	781
Washington-----	23	1,303	1,301	511	745	47	25
California-----	764	5,272	5,280	2,730	2,391	159	756

<sup>1</sup> Total admissions do not agree with those reported on table 134, since in some hospitals, admission diagnosis is first reported upon discharge, and a diagnosis break-down of admissions is not available. In those hospitals discharge diagnoses have been presented.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 134.—ADMISSIONS TO PSYCHIATRIC WARDS OF GENERAL HOSPITALS, BY MENTAL DISORDER, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All admissions	WITH PSYCHOSIS										
		Total	General paresis	With other forms of syphilis of the C. N. S.	With epidemic encephalitis	With other infectious diseases	Alcoholic	Due to drugs and other exogenous poisons	Traumatic	With cerebral arteriosclerosis	With disturbances of circulation	With convulsive disorders
United States	71,256	42,504	1,687	590	115	540	5,850	392	442	5,546	475	654
NEW ENGLAND	1,954	1,190	59	2	2	11	132	25	6	97	17	19
Massachusetts	78	54	—	—	—	1	1	1	—	1	—	5
Rhode Island	588	408	26	—	—	—	58	4	5	46	14	16
Connecticut	1,288	728	13	2	2	10	73	20	5	50	5	—
MIDDLE ATLANTIC	44,555	24,281	760	275	59	206	2,208	178	279	2,552	510	454
New York	37,626	20,065	592	256	57	198	2,092	158	262	2,427	297	595
New Jersey	1,186	763	37	32	1	2	85	15	9	69	10	14
Pennsylvania	5,723	3,453	131	7	1	6	31	25	8	56	5	25
EAST NORTH CENTRAL	4,566	3,135	190	101	20	17	267	52	29	114	12	56
Ohio	876	656	55	19	1	12	61	26	14	47	8	10
Indiana	444	302	18	52	—	3	18	1	2	12	—	5
Illinois	976	687	65	10	4	—	141	4	7	31	1	13
Michigan	1,175	901	32	16	3	2	10	21	6	21	—	9
Wisconsin	1,095	609	20	4	12	—	37	—	—	5	5	1
WEST NORTH CENTRAL	5,529	3,455	196	54	10	12	259	21	21	119	76	16
Minnesota	1,775	1,083	58	4	—	9	77	5	7	25	4	7
Iowa	144	144	—	—	—	—	55	—	—	—	—	—
Missouri	2,399	1,505	129	13	5	1	70	15	7	67	67	7
Nebraska	887	685	27	4	2	2	27	2	7	5	—	2
Kansas	524	220	2	35	3	—	10	1	—	24	5	—
SOUTH ATLANTIC	5,203	3,010	175	47	8	25	507	18	65	224	29	70
Dist. of Col.	4,055	2,323	148	31	4	19	437	5	47	204	17	56
Virginia	572	325	15	7	2	6	45	9	7	10	7	10
Florida	576	362	12	9	2	—	27	6	11	10	5	4
EAST SOUTH CENTRAL	731	475	58	5	3	2	27	18	7	51	12	18
Kentucky	463	346	42	5	3	1	25	15	6	36	12	8
Tennessee	268	129	16	—	—	1	2	3	1	15	—	10
WEST SOUTH CENTRAL	1,709	1,251	111	37	5	12	50	37	9	22	5	13
Arkansas	41	4	—	—	—	—	—	—	—	1	—	—
Texas	1,668	1,227	111	37	5	12	50	37	9	21	5	13
MOUNTAIN	454	129	14	1	—	—	9	—	8	8	—	2
Colorado	454	129	14	1	—	—	9	—	8	8	—	2
PACIFIC	6,555	5,618	144	68	8	55	591	43	18	159	14	46
Washington	1,305	1,051	55	15	—	10	57	23	5	18	6	6
California	5,252	4,587	89	53	8	45	534	20	15	141	8	40

TABLE 134.—ADMISSIONS TO PSYCHIATRIC WARDS OF GENERAL HOSPITALS, BY MENTAL DISORDER, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	WITH PSYCHOSIS—Continued											
	Senile	Involuntal psychoses	Due to other metabolic, etc., diseases	Due to new growth	With organic changes of the nervous system	Psychoses	Manic-depressive	Dementia praecox (schizophrenia)	Paranoia and paranoid conditions	With psychopathic personality	With mental deficiency	Other, undiagnosed, and unknown
United States	2,905	965	532	146	546	4,268	5,582	6,411	787	878	520	7,095
NEW ENGLAND	100	25	11	9	7	61	187	322	40	18	10	52
Massachusetts	—	5	—	—	1	56	1	5	—	—	—	5
Rhode Island	19	15	2	7	2	—	17	156	12	—	2	29
Connecticut	81	5	9	2	4	25	169	185	28	18	8	20
MIDDLE ATLANTIC	1,712	551	441	52	327	2,578	1,991	5,096	472	595	216	3,015
New York	1,596	428	394	48	315	2,325	1,805	4,524	411	580	196	771
New Jersey	62	54	6	4	7	75	98	109	44	4	15	31
Pennsylvania	64	69	51	—	5	176	90	463	17	9	5	2,211
EAST NORTH CENTRAL	104	60	13	48	45	560	256	439	60	31	51	652
Ohio	21	18	—	—	12	32	46	111	5	9	14	117
Indiana	47	12	1	—	2	17	31	48	14	5	4	14
Illinois	4	9	1	44	7	116	60	112	4	12	16	26
Michigan	26	18	11	4	22	594	85	142	29	4	7	49
Wisconsin	4	5	—	—	—	11	16	26	10	5	10	446
WEST NORTH CENTRAL	378	115	22	14	35	407	304	730	64	54	114	456
Minnesota	144	67	6	7	7	185	95	197	32	4	9	158
Iowa	72	—	—	—	—	—	15	2	2	—	—	—
Missouri	115	26	18	2	24	158	116	332	7	29	84	36
Nebraska	45	22	3	3	2	55	75	176	9	8	2	281
Kansas	2	—	—	2	—	49	9	25	14	13	19	11
SOUTH ATLANTIC	107	78	26	8	52	518	268	767	87	64	40	75
Dist. of Col.	98	36	25	5	49	207	165	651	19	52	16	59
Virginia	5	22	2	1	—	14	58	55	11	10	17	14
Florida	9	18	1	2	5	97	47	61	7	2	7	22
EAST SOUTH CENTRAL	26	16	3	3	7	46	27	113	2	10	14	5
Kentucky	23	8	3	3	6	40	25	65	2	6	11	3
Tennessee	5	8	—	—	1	6	2	50	—	4	3	2
WEST SOUTH CENTRAL	79	57	7	2	44	164	245	257	17	22	14	22
Arkansas	—	—	—	—	—	—	—	3	—	—	—	—
Texas	79	57	7	2	44	164	245	254	17	22	14	22
MOUNTAIN	5	6	—	7	—	19	12	34	—	2	—	4
Colorado	5	6	—	7	—	19	12	34	—	2	—	4
PACIFIC	592	77	7	3	35	117	312	653	95	64	61	2,636
Washington	221	34	5	—	23	9	148	291	37	15	17	38
California	171	43	2	3	12	108	164	362	58	49	44	2,798

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 134.—ADMISSIONS TO PSYCHIATRIC WARDS OF GENERAL HOSPITALS, BY MENTAL DISORDER, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	WITHOUT PSYCHOSIS								
	Total	Epilepsy	Mental deficiency	Alcoholism	Drug addiction	Personality disorders due to epidemic encephalitis	Psychopathic personality	Primary behavior disorders	Other, unclassified, and unknown
United States	28,732	847	1,143	16,648	505	41	1,961	1,561	6,208
<b>NEW ENGLAND</b>	764	59	25	582	19	4	80	26	171
Massachusetts	24	12	—	—	—	2	5	—	7
Rhode Island	180	7	11	49	—	2	21	18	72
Connecticut	560	40	12	533	19	—	56	8	92
<b>MIDDLE ATLANTIC</b>	20,254	275	785	15,691	170	17	1,275	1,175	2,966
New York	17,561	199	741	12,128	157	14	1,218	1,151	1,955
New Jersey	425	41	9	126	9	3	15	20	202
Pennsylvania	2,270	35	35	1,437	4	—	44	4	711
<b>EAST NORTH CENTRAL</b>	1,431	115	67	495	64	—	160	52	478
Ohio	240	12	5	85	28	—	52	2	76
Indiana	142	16	6	85	3	—	27	3	2
Illinois	289	26	40	165	12	—	54	3	9
Michigan	274	12	12	72	10	—	60	52	76
Wisconsin	486	49	4	86	11	—	7	12	315
<b>WEST NORTH CENTRAL</b>	2,094	49	50	589	65	4	59	12	1,468
Minnesota	692	21	25	145	12	4	41	4	442
Iowa	—	—	—	—	—	—	—	—	—
Missouri	1,096	8	1	97	—	—	5	1	966
Nebraska	202	9	11	111	16	—	11	7	57
Kansas	104	11	15	36	35	—	4	—	3
<b>SOUTH ATLANTIC</b>	2,195	152	105	1,023	155	7	125	11	655
District of Columbia	1,752	74	78	918	112	4	105	—	441
Virginia	247	27	25	25	14	1	15	11	151
Florida	214	51	4	80	9	2	5	—	85
<b>EAST SOUTH CENTRAL</b>	256	9	22	95	11	2	60	27	52
Kentucky	117	8	19	35	2	2	14	25	12
Tennessee	139	1	3	58	9	—	46	2	20
<b>WEST SOUTH CENTRAL</b>	478	77	41	152	19	1	96	34	58
Arkansas	87	—	—	15	1	—	25	—	—
Texas	441	77	41	139	18	1	75	34	58
<b>MOUNTAIN</b>	325	34	11	51	2	1	15	—	251
Colorado	325	34	11	51	2	1	15	—	251
<b>PACIFIC</b>	957	97	59	592	22	5	111	24	247
Washington	272	21	18	76	4	3	7	5	138
California	665	76	21	516	18	2	104	19	109



## PART II. PATIENTS IN INSTITUTIONS FOR MENTAL DEFECT AND EPILEPSY

### INTRODUCTION

**Scope of the data.**—Part II of this report is devoted to patients in State and private institutions for mental deficiency and epilepsy. The two city institutions for this type of patient did not report for the year 1939. These data show patients in 76 State institutions, of which there were 83, and in 59 private institutions.

In three of the West South Central and Mountain States (Arkansas, Arizona, and Nevada) no separate institutions are maintained for mental defectives and epileptics, but special provision is made for them in a designated section of the State hospitals for mental disease. While the number of private institutions reporting is only 71.1 percent of total private institutions addressed, the percentage of privately institutionalized patients included in these data is undoubtedly much greater, since more complete cooperation is received from larger institutions whose statistical departments are more developed.

Consistent with the procedure followed in part I, two maps are presented indicating the geographic distribution of institutions for mental deficiency and epilepsy. The first of these shows the locations of State and city institutions, indicating as well, those State institutions that did not report in this enumeration. Neither of the city institutions reported. The second map indicates the locations of the private institutions from which 1939 data were received.

**Significance of the data.**—As in the case for hospitalized patients with mental disease, the data, presenting information concerning institutionalized mental defectives and epileptics, do not show the true prevalence and incidence of persons with these deficiencies in the whole population. Only a small proportion of the mentally deficient receive institutional training. Not all individuals recognized as mentally deficient or epileptic require institutionalization. Adequate social adjustment to a simple routine may be attained by some mentally deficient individuals more satisfactorily outside than inside an institution. The following tables present data only for those mental defectives and epileptics in institutions established specifically for their care. In the preceding section, it was pointed out that hospitals for mental disease care for mentally defective and epileptic patients in varying proportions throughout the States. Some are also found in prisons, reformatories, almshouses, and in homes for the aged.

The provision of facilities in institutions for mental defect and epilepsy shows wider interstate variation than in hospitals for mental disease. The bed capacity made available for these patients, particularly in the South, is meager. It has been found that as the proportion of Negroes in the general population increases, the rate of hospitalization of Negro mental defectives and epileptics decreases. Frequently a Negro mental patient may secure admission to a hospital for mental disease, but not to an institution for mental defectives and epileptics. For uniform interstate presentation of data relating to these institutionalized patients, statistics for patients in institutions for mental defectives and epileptics have been combined in part III with those for patients of this type in hospitals for mental disease.

**Treatment of the data.**—In the first section of part II the data treat of patients in institutions under all types of control. They indicate movement of patient population, resident patient population, and first admissions during the year. Following this summary presentation, more detailed information is given for State institutions. In conclusion, separate data are reported for private institutions.

CHART 7.—STATE AND CITY INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS: 1939



CHART 8.—REPORTING PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS: 1939



Throughout the report totals have been presented for geographic divisions, since this total may be considered, for the most part, to be indicative of conditions in the States that go to make up each division.

In most instances, statistics for mental defectives and epileptics have been presented separately. This has been difficult of accomplishment insofar as capacity, administrative personnel, and financial expenditures are concerned. Nevertheless, an attempt has been made to segregate institutions caring solely for mental defectives, and those caring solely for epileptics, from those that maintain a combined patient population. More complete explanation of the method of separation will be included with the discussion of these data.

Institution officials were requested as heretofore to classify patients according to the primary cause of admission. The rules for such classification are set forth below:

1. If the case history shows that the patient was primarily mentally defective and that epilepsy developed at a later period, the patient should be reported on the schedules for mental defectives.
2. If the case history shows that the patient was primarily epileptic and that mental deterioration developed at a later period, the patient should be reported on the schedules for epileptics.
3. In all cases where epilepsy is definitely present, and where insufficient data are available to determine the patient's previous mental status, even though mental deficiency is not established, the patient should be reported on the schedules for epileptics.

#### ALL INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS

**Movement of patient population.**—The presentation of data for all institutions for mental deficiency and epilepsy must necessarily be abbreviated, since the entire set of nine schedules was not forwarded to private institutions. In 1939, 59 private institutions reported as against 52 in the previous year. Seven of the State institutions, comprising approximately 5 percent of the patient population in State institutions, failed to send in schedules reporting these data. They were State School and Colony, Idaho; Muscatatuck Colony, Indiana; Village for Epileptics, Indiana; Rosewood Training School, Maryland; Department for Defective Delinquents, Massachusetts; Austin State School, Texas; and Training School, West Virginia. The data for the Northern Oklahoma Hospital at Enid, Oklahoma, were received after the completion of some tabulations, and have been included as footnotes in those instances. As a result the number of patients reported in this enumeration is less than that reported for 1938. However, among those institutions included in the report, the consistent increase in patient population that has been evident during the past years has been demonstrated.

At the end of 1939 there were 115,633 patients on books of all institutions, a slightly larger proportion of male patients than of female. This was an increase of 3,195 patients over the number of patients on books reported at the beginning of the year. Of the total, 103,653, or 89.6 percent, were in the institutions. There were 11,980, or 10.4 percent, absent, of which 854, or 0.7 percent, of total patients on books were in family care, and 11,126, or 9.6 percent, were on parole or otherwise absent. Each year family care is used as treatment for a greater number of individuals. There were 854 patients reported in this category at the end of 1939 as compared with 761 on January 1, 1939. The number of admissions (12,432) is smaller than that (13,290) reported the previous year, because the number of institutions represented in the data is smaller. There was a similar decrease in separations; there were 9,237 during 1939, whereas there had been 10,023 during 1938. Notwithstanding the expected decrease due to decline in the number of institutions reporting, admissions and separations, which necessarily depend to a large extent on the facilities that are available, may be expected to vary from year to year.

There was an increase in both the mentally defective and the epileptic institutionalized patient population during the course of the year, the proportionate increase in the former diagnosis being more than four times the proportionate increase in the latter.

At the end of 1939, 95.2 percent of all patients in mental defective and epileptic institutions were in institutions under State control, and 4.8 percent were in institutions under private control. Private institutions had a small number of patients (166) on parole or visit. Of admissions, 89.1 percent came to State institutions, but only 85.6 percent of all patients separated from institutions were released from those under State control. Patient-stay is longer in public than in private institutions. Patients transferred to a State institution or admitted there for the first time are more likely to be in need of prolonged hospitalization.

For mental defectives alone, the proportion of resident patients in State institutions was 95.4 percent. The proportions of total mental defective admissions and separations in State institutions alone were 93.8 percent and 92.0 percent, respectively. In both cases the proportions were larger than those for the total patient population. For epileptics, the proportion of resident patients in State institutions was 96.8 percent, and the proportions of all admissions to and separations from State institutions were 94.7 percent and 92.4 percent, respectively. Apparently the large turn-over of patients in private institutions is due to those patients who are diagnosed as neither mentally defective nor epileptic. These patients are probably classified under the clinical diagnoses, postencephalitis, psychopathic personality, or with primary behavior disorders. Patients of this type who cannot afford treatment in a private institution may be excluded from institutions under State control because of lack of facilities. Severe overcrowding of State institutions has necessitated the maintenance of waiting lists from which patients most acutely in need of care are admitted when there is a vacancy.

Some institutions have adopted the plan of placing patients, who have not recovered sufficiently to be paroled or discharged, in private homes in the community, other than their own, with the object of giving the patient whatever benefit may be derived from the intimate association and closer contacts and relationships possible in a family unit. This practice is called family care. Since only State institutions had patients in family care in 1939, the plan will be more fully discussed in the section dealing exclusively with State institutions.

TABLE 135.—MOVEMENT OF PATIENT POPULATION IN STATE AND PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY MENTAL DISORDER AND SEX: 1939

MOVEMENT OF PATIENTS	ALL PATIENTS			MENTAL DEFECTIVES		EPILEPTICS		Neither mental defectives nor epileptics
	Total	Male	Female	Male	Female	Male	Female	
Patients on books at beginning of year—	112,438	57,669	54,769	46,955	45,092	9,752	8,780	1,879
In institution—	100,903	51,863	49,240	42,024	40,568	8,760	8,134	1,617
Absent—	11,535	6,006	5,529	4,911	4,724	992	646	262
In family care—	761	266	495	285	494	1	—	1
On parole or otherwise absent—	10,774	5,740	5,034	4,646	4,250	991	646	261
Admissions during year—	12,432	7,020	5,412	5,400	4,196	1,117	812	907
First admissions—	10,896	5,954	4,962	4,518	3,874	979	725	800
Readmissions—	891	555	356	374	253	126	75	85
Transfers from other institutions for mental defectives and epileptics—	645	551	114	508	89	12	14	22
Separations during year—	9,237	5,171	4,066	3,585	2,917	1,044	740	953
Discharges—	5,573	3,061	2,512	2,102	1,788	554	582	747
Direct from institution—	2,482	1,514	1,168	750	723	201	161	667
While on parole—	3,091	1,747	1,344	1,372	1,065	353	221	80
Transfers to other institutions for mental defectives and epileptics—	994	619	375	539	334	19	29	75
Deaths in institution—	2,610	1,460	1,150	921	771	461	326	131
Deaths while on parole—	60	51	29	21	24	10	5	2
Patients on books at end of year—	115,653	59,518	56,115	48,752	46,371	9,825	8,852	1,833
In institution—	105,653	53,240	50,413	43,562	41,494	8,845	8,199	1,553
Absent—	11,980	6,278	5,702	5,190	4,877	980	653	280
In family care—	854	310	544	307	541	2	—	4
On parole or otherwise absent—	11,126	5,968	5,158	4,883	4,336	978	653	276

**Trend in institutionalization.**—There has been a steady increase in the number of patients in institutions for mental defectives and epileptics during the past 18 years. Comparable data do not extend over a longer period of time for the country as a whole. In this interval the number of patients has more than doubled, while the crude institutionalization rate, expressed per 100,000 of the estimated population, has increased by more than two-thirds. By far the largest proportion of increase has been in State institutions. The number in city institutions had decreased in 1938 to about one-third of the total in 1923 and slightly more than one-fourth of the total in 1933. This is due to the discontinuance of some city institutions. Care of the mentally deficient and epileptic is now essentially a State problem. In private institutions, the number of patients increased by almost one-third since 1923.

The rates presented in this report differ slightly for the interval 1930 to 1939 from those given in previous annual publications, because of the re-estimation of the annual intercensal population figures that have been used in computing these rates.

**Rates of institutionalization.**—Rates of hospitalization of all institutionalized mental defectives showed wide interstate variation in 1939. In the country as a whole, the rate per 100,000 of the total estimated population was 63.2. By State, the highest rate, 145.2, was in Delaware, and the lowest, 10.7, in Georgia.

Rates have not been computed for those geographic divisions for which institutional data were not reported by States in those divisions. Each State in which there was an unreported State institution is indicated by reference to an explanatory footnote. For epileptics, the rate was 13.0 per 100,000 in the country as a whole. In some States there were no epileptics hospitalized in institutions for mental deficiency and epilepsy. This does not mean that there were no hospitalized epileptics in these States. Some patients may have been both mentally defective and epileptic, and, in conformity with the definitions previously stated, may have been classified as mentally defective. Some epileptic patients are treated in State hospitals for mental disease.

The highest rate for hospitalized epilepsy, 47.4, was in Kansas. It should be pointed out that the classification of a patient as mentally deficient or as epileptic is likely to be a difficult one. There may be a tendency to give preference to one or the other diagnosis.

**First admissions.**—First admissions to institutions for mental defectives and epileptics include all patients admitted for the first time for treatment to an institution of this type, whether that institution be under State, city, or private control.

Rates of first admission based on the total population constitute one available measure of determination of the incidence of the mental deficiency and epilepsy that requires institutionalization. The measure in this case has a somewhat different meaning from that presented with regard to mental disease. When a patient is mentally ill, it may become urgently necessary to hospitalize him immediately. Mental deficiency is a less variable condition and there is seldom an imperative need for immediate institutionalization. Consequently, the practice has arisen of maintaining waiting lists for these institutions, and, as beds are made available, patients may be admitted. In presenting rates of first admission for a series of years it is probable that the comparisons are more indicative of the number of beds made available for new patients in each of these years than of the actual number of mentally deficient patients or of epileptic patients in need of institutionalization.

In 1939 the rate of first admission to all institutions was 8.3 per 100,000 of the estimated population, as compared with 9.0 in the previous year. The highest rates were in Delaware, 25.0, and in Utah, 20.9, whose rates the previous year were also highest (Delaware, 25.6 and Utah, 31.2). The rates for 1938 that are included in this report are slightly different from those reported in the 1938 annual report "Patients in Mental Institutions, 1938." This is due to the fact that the present rates are based on population estimates re-computed after the figures for the population census of 1940 became available.

## PATIENTS IN MENTAL INSTITUTIONS, 1930

TABLE 136.—MOVEMENT OF PATIENT POPULATION IN STATE AND PRIVATE INSTITUTIONS

DIVISION AND STATE	ON BOOKS AT BEGINNING OF YEAR				ADMISSIONS			
	Total	In institution	In family care	On parole or otherwise absent	Total	First admissions	Readmissions	Transfers
1 United States <sup>1</sup>	112,458	100,908	761	10,774	12,432	10,896	891	645
2 NEW ENGLAND <sup>1</sup>	11,859	10,175	85	1,099	761	695	51	15
3 Maine	1,090	1,065	—	27	55	55	2	—
4 New Hampshire	685	581	65	39	78	71	7	—
5 Vermont	328	309	—	17	52	51	1	—
6 Massachusetts <sup>1</sup>	6,899	6,590	20	289	423	377	32	14
7 Rhode Island	984	711	—	253	97	87	9	1
8 Connecticut	1,558	1,121	—	234	86	56	—	—
9 MIDDLE ATLANTIC	36,381	32,258	316	3,812	4,566	3,750	355	261
10 New York	21,735	19,084	316	2,325	3,086	2,559	307	220
11 New Jersey	6,740	5,681	—	1,059	631	557	36	38
12 Pennsylvania	7,906	7,478	—	428	649	634	12	3
13 EAST NORTH CENTRAL <sup>1</sup>	29,087	26,065	548	2,674	3,338	2,927	245	168
14 Ohio	8,808	7,418	—	1,390	706	602	52	52
15 Indiana <sup>1</sup>	2,298	1,850	335	33	220	217	—	3
16 Illinois	8,099	7,962	—	407	1,562	1,237	86	87
17 Michigan	6,626	6,057	—	569	858	465	97	8
18 Wisconsin	5,258	2,968	13	277	482	408	6	68
19 WEST NORTH CENTRAL	14,267	13,701	—	566	1,336	1,228	91	17
20 Minnesota	5,576	5,368	—	28	428	374	47	5
21 Iowa	3,898	3,281	—	145	237	215	18	6
22 Missouri	1,742	1,722	—	20	221	219	2	—
23 North Dakota	1,008	985	—	21	94	87	4	3
24 South Dakota	698	641	—	47	54	49	5	—
25 Nebraska	1,618	1,480	—	158	111	108	5	—
26 Kansas	2,841	2,074	—	167	195	178	12	5
27 SOUTH ATLANTIC <sup>1</sup>	5,491	4,684	—	807	794	598	55	161
28 Delaware	490	442	—	48	72	66	4	2
29 Maryland <sup>1</sup>	18	—	—	—	2	2	—	—
30 Dist. of Columbia	776	600	—	176	90	88	7	—
31 Virginia	1,818	1,590	—	428	437	264	16	157
32 West Virginia <sup>1</sup>	—	—	—	—	—	—	—	—
33 North Carolina	699	632	—	67	63	63	—	—
34 South Carolina	761	721	—	40	61	58	3	—
35 Georgia	551	531	—	—	34	31	3	—
36 Florida	600	520	—	80	35	31	2	2
37 EAST SOUTH CENTRAL	2,523	2,463	—	60	244	232	9	3
38 Kentucky	896	845	—	51	45	41	2	2
39 Tennessee	623	623	—	—	61	57	4	—
40 Alabama	647	638	—	9	92	88	3	1
41 Mississippi	557	557	—	—	46	46	—	—
42 WEST SOUTH CENTRAL <sup>1</sup>	3,445	3,096	—	347	441	398	36	7
43 Louisiana	970	842	—	128	37	33	4	—
44 Oklahoma	1,028	1,028	—	—	145	135	3	7
45 Texas <sup>1</sup>	1,445	1,226	—	219	261	232	29	—
46 MOUNTAIN <sup>1</sup>	2,354	2,204	2	128	278	261	16	1
47 Montana	495	495	—	—	19	18	1	—
48 Idaho <sup>1</sup>	—	—	—	—	—	—	—	—
49 Wyoming	455	368	—	87	45	45	—	—
50 Colorado	649	630	—	19	81	75	5	1
51 New Mexico	71	68	2	1	11	11	—	—
52 Utah	664	645	—	21	124	114	10	—
53 PACIFIC	7,583	6,522	10	1,251	874	807	55	12
54 Washington	1,678	1,520	—	158	158	155	3	—
55 Oregon	1,064	942	10	112	144	127	17	—
56 California	4,821	3,960	—	861	592	545	35	12

<sup>1</sup> Reports were not received from Department for Defective Delinquents, Massachusetts; Mescatauck Colony, and Village for Epileptics, Indiana; Rosewood Training School, Maryland; Training School, West Virginia; Austin State School, Texas; and State School and Colony, Idaho.

MENTAL DEFECT AND EPILEPSY

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FOR MENTAL DEFECTIVES AND EPILEPTICS, BY DIVISIONS AND STATES: 1939

SEPARATIONS							ON BOOKS AT END OF YEAR				
Total	Discharges			Transfers	Deaths		Total	In institution	In family care	On parole or otherwise absent	
	Total	Direct from institution	While on parole		In institution	While on parole					
9,237	5,573	2,482	3,091	994	2,610	60	115,633	105,653	854	11,126	1
616	414	145	269	21	175	6	11,594	10,292	138	1,074	2
43	10	1	9	-----	33	-----	1,102	1,076	-----	26	3
54	46	13	33	-----	8	-----	709	588	84	37	4
23	11	11	-----	2	10	-----	355	337	-----	18	5
384	270	93	177	19	91	4	6,978	6,413	54	511	6
69	59	19	40	-----	9	1	992	745	-----	247	7
43	18	8	10	-----	24	1	1,368	1,133	-----	235	8
3,463	2,359	1,118	1,241	351	737	16	37,284	33,171	315	3,798	9
2,501	1,654	777	877	214	427	6	22,520	19,781	315	2,424	10
647	405	193	212	94	141	7	6,724	5,702	-----	1,022	11
515	300	148	152	43	169	3	8,040	7,688	-----	352	12
2,280	1,009	220	789	478	779	14	30,115	26,843	386	2,886	13
610	305	25	280	42	257	6	8,902	7,506	-----	1,396	14
169	14	-----	14	100	55	-----	2,349	1,965	356	28	15
544	265	116	149	42	235	2	8,887	8,321	-----	566	16
507	360	26	334	11	153	3	6,687	6,131	-----	556	17
450	65	53	12	283	99	3	3,290	2,920	30	340	18
1,144	688	359	329	56	390	10	14,459	13,868	-----	591	19
381	269	168	101	27	85	-----	3,621	3,593	-----	28	20
213	131	49	82	13	67	2	3,420	3,269	-----	151	21
155	94	76	18	1	40	-----	1,828	1,808	-----	20	22
67	34	24	10	-----	31	2	1,033	998	-----	35	23
62	44	20	24	-----	18	-----	680	656	-----	44	24
115	53	7	46	6	52	4	1,614	1,492	-----	122	25
171	63	15	48	9	97	2	2,263	2,072	-----	191	26
407	270	177	93	18	117	2	5,878	5,039	-----	839	27
46	42	25	17	-----	4	-----	516	469	-----	47	28
5	-----	-----	-----	5	-----	-----	15	15	-----	-----	29
44	34	16	18	5	7	-----	822	636	-----	186	30
142	79	79	-----	7	56	-----	2,111	1,664	-----	447	31
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	32
17	-----	-----	-----	-----	17	-----	745	678	-----	67	33
44	32	15	19	-----	12	-----	778	730	-----	48	34
52	44	44	-----	-----	8	-----	313	313	-----	-----	35
57	39	-----	39	3	13	2	578	534	-----	44	36
146	87	54	33	7	52	-----	2,621	2,564	-----	57	37
51	35	15	20	2	14	-----	890	839	-----	51	38
49	22	-----	-----	-----	27	-----	635	635	-----	-----	39
25	17	4	13	1	7	-----	714	708	-----	6	40
21	13	13	-----	4	4	-----	382	382	-----	-----	41
293	187	182	5	3	103	-----	3,591	3,230	-----	361	42
36	9	4	5	-----	27	-----	971	835	-----	136	43
81	55	55	-----	3	23	-----	1,090	1,090	-----	-----	44
176	123	123	-----	-----	53	-----	1,530	1,305	-----	225	45
207	174	115	59	2	30	1	2,405	2,221	-----	184	46
65	62	62	-----	-----	5	-----	449	449	-----	-----	47
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	48
35	29	5	24	-----	5	1	463	381	-----	82	49
32	14	11	3	1	17	-----	698	673	-----	25	50
8	7	4	3	1	-----	-----	74	74	-----	-----	51
67	62	53	29	-----	5	-----	721	644	-----	77	52
681	385	112	273	58	227	11	7,776	6,425	15	1,336	53
109	8	5	3	25	74	2	1,707	1,473	-----	234	54
96	57	2	55	5	33	1	1,132	983	15	134	55
476	320	105	215	28	120	8	4,937	3,969	-----	968	56

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 137.—PATIENTS IN ALL INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS AT THE BEGINNING OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION, BY TYPE OF CONTROL OF INSTITUTION: 1923, 1926-1940

YEAR	Total	Rate per 100,000 estimated population <sup>1</sup>	State	City	Private
1940 <sup>2</sup>	105,655	78.8	98,727	( <sup>3</sup> )	4,928
1939	100,905	77.4	95,996	( <sup>3</sup> )	4,907
1938	102,528	79.1	97,209	538	4,581
1937	98,765	76.9	95,772	558	4,455
1936	96,995	75.9	91,754	818	4,425
1935	95,101	75.0	89,760	1,105	4,236
1934	95,458	74.2	87,582	1,605	4,455
1933	90,440	72.2	84,151	1,959	4,370
1932	76,726	61.6	76,726	( <sup>3</sup> )	( <sup>3</sup> )
1931	72,565	58.7	72,565	( <sup>3</sup> )	( <sup>3</sup> )
1930	68,055	55.5	68,055	( <sup>3</sup> )	( <sup>3</sup> )
1929	64,417	55.4	64,417	( <sup>3</sup> )	( <sup>3</sup> )
1928	60,412	50.8	60,412	( <sup>3</sup> )	( <sup>3</sup> )
1927	58,567	49.7	58,567	( <sup>3</sup> )	( <sup>3</sup> )
1926	55,201	47.7	55,201	( <sup>3</sup> )	( <sup>3</sup> )
1925	51,751	46.7	46,580	1,565	3,766

<sup>1</sup> Population as of January 1 of corresponding year. <sup>2</sup> Number of patients reported at the end of the year 1939. <sup>3</sup> Data not reported.

TABLE 138.—PATIENTS IN STATE AND PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS AT THE BEGINNING OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	MENTAL DEFECTIVES		EPILEPTICS		NEITHER MENTAL DEFECTIVES NOR EPILEPTICS
	Number	Rate per 100,000 estimated population <sup>1</sup>	Number	Rate per 100,000 estimated population <sup>1</sup>	Number
United States <sup>2</sup>	82,592	65.2	16,894	15.0	1,617
NEW ENGLAND <sup>2</sup>	8,755	—	1,265	—	157
Maine	1,062	126.5	—	—	1
New Hampshire	550	112.7	51	6.4	—
Vermont	294	81.9	—	—	15
Massachusetts <sup>2</sup>	5,220	120.7	1,029	25.8	141
Rhode Island	695	96.7	15	2.5	—
Connecticut	934	55.1	187	11.0	—
MIDDLE ATLANTIC	25,866	94.5	5,260	19.2	1,127
New York	16,060	120.2	2,512	17.5	722
New Jersey	5,856	92.6	1,538	37.1	507
Pennsylvania	5,970	60.6	1,410	14.5	98
EAST NORTH CENTRAL <sup>2</sup>	22,047	—	5,877	—	111
Ohio	5,558	78.0	2,080	50.0	—
Indiana <sup>2</sup>	1,930	56.7	—	—	—
Illinois	6,862	87.5	768	9.8	52
Michigan	5,105	99.7	952	18.6	—
Wisconsin	2,792	89.7	97	5.1	79
WEST NORTH CENTRAL	10,685	—	2,924	—	92
Minnesota	2,662	97.1	858	51.1	8
Iowa	2,797	110.6	454	18.0	—
Missouri	1,547	35.8	570	9.8	5
North Dakota	771	119.4	165	25.5	49
South Dakota	528	82.6	99	15.2	4
Nebraska	1,541	101.4	121	9.2	18
Kansas	1,209	66.9	857	47.4	8
SOUTH ATLANTIC <sup>2</sup>	5,664	—	892	—	98
Delaware	582	145.2	60	22.8	—
Maryland <sup>2</sup>	—	—	18	1.0	—
District of Columbia	511	79.7	86	15.4	5
Virginia	944	55.7	445	16.8	1
West Virginia <sup>2</sup>	—	—	—	—	—
North Carolina	577	16.4	55	1.6	—
South Carolina	527	28.0	100	5.5	94
Georgia	551	10.7	—	—	—
Florida	592	21.5	128	7.0	—

<sup>1</sup> Estimated population as of January 1, 1939. <sup>2</sup> Incomplete reporting, see footnotes to table 136.



TABLE 138.—PATIENTS IN STATE AND PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS AT THE BEGINNING OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	MENTAL DEFECTIVES		EPILEPTICS		NEITHER MENTAL DEFECTIVES NOR EPILEPTICS
	Number	Rate per 100,000 estimated population <sup>1</sup>	Number	Rate per 100,000 estimated population <sup>1</sup>	
EAST SOUTH CENTRAL	2,460	23.1	-----	-----	3
Kentucky	842	29.9	-----	-----	3
Tennessee	623	21.7	-----	-----	-----
Alabama	638	22.7	-----	-----	-----
Mississippi	357	16.5	-----	-----	-----
WEST SOUTH CENTRAL <sup>2</sup>	1,523	-----	1,564	-----	9
Louisiana	664	28.5	169	7.3	9
Oklahoma	859	36.7	169	7.2	-----
Texas <sup>2</sup>	-----	-----	1,226	19.3	-----
MOUNTAIN <sup>2</sup>	1,923	-----	278	-----	3
Montana	450	80.9	45	8.1	-----
Idaho <sup>2</sup>	-----	-----	-----	-----	-----
Wyoming	314	126.6	51	20.6	5
Colorado	510	45.9	120	10.8	-----
New Mexico	63	12.2	5	1.0	-----
Utah	586	107.5	57	10.5	-----
PACIFIC	5,469	57.3	836	8.8	17
Washington	1,255	73.2	265	15.5	-----
Oregon	942	87.9	-----	-----	-----
California	3,272	48.4	571	8.5	17

<sup>1</sup>Estimated population as of January 1, 1939. <sup>2</sup>Incomplete reporting, see footnote to table 136.

TABLE 139.—FIRST ADMISSIONS TO STATE AND PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, AND RATE PER 100,000 ESTIMATED POPULATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Number	Rate per 100,000 estimated population <sup>1</sup>	DIVISION AND STATE	Number	Rate per 100,000 estimated population <sup>1</sup>
United States <sup>2</sup>	10,896	8.3	SOUTH ATLANTIC <sup>2</sup>	598	-----
NEW ENGLAND <sup>2</sup>	695	-----	Delaware	66	25.0
Maine	55	6.3	Maryland <sup>2</sup>	2	0.1
New Hampshire	71	14.6	Dist. of Col.	83	12.8
Vermont	51	14.3	Virginia	264	10.0
Massachusetts <sup>2</sup>	377	8.7	West Virginia <sup>2</sup>	-----	-----
Rhode Island	87	12.3	North Carolina	63	1.8
Connecticut	56	5.3	South Carolina	58	5.1
MIDDLE ATLANTIC	3,750	13.7	Georgia	51	1.0
New York	2,559	19.2	Florida	31	1.7
New Jersey	557	13.5	EAST SOUTH CENTRAL	232	2.2
Pennsylvania	634	6.4	Kentucky	41	1.5
EAST NORTH CENTRAL <sup>2</sup>	2,927	-----	Tennessee	57	2.0
Ohio	602	8.8	Alabama	68	3.1
Indiana <sup>2</sup>	217	6.4	Mississippi	46	2.1
Illinois	1,237	15.7	WEST SOUTH CENTRAL <sup>2</sup>	598	-----
Michigan	463	9.0	Louisiana	35	1.4
Wisconsin	408	13.1	Oklahoma	133	5.7
WEST NORTH CENTRAL	1,228	9.1	Texas <sup>2</sup>	232	3.6
Minnesota	374	13.5	MOUNTAIN <sup>2</sup>	261	-----
Iowa	215	8.5	Montana	18	5.3
Missouri	219	5.8	Idaho <sup>2</sup>	-----	-----
North Dakota	87	13.5	Wyoming	43	17.5
South Dakota	49	7.6	Colorado	75	6.7
Nebraska	106	8.0	New Mexico	11	2.1
Kansas	178	9.9	Utah	114	20.9
			PACIFIC	807	8.4
			Washington	135	7.9
			Oregon	127	11.8
			California	545	8.0

<sup>1</sup>Estimated population as of July 1, 1939. <sup>2</sup>Incomplete reporting, see footnote to table 136.

## STATE INSTITUTIONS

In the following tables data are presented for patients maintained only in State institutions. They comprised 95.6 percent of the total number of patients on books of all institutions at the end of the year.

In addition to the factors covered in the preceding section, namely, movement of patient population, resident patients, and first admissions during the year, consideration will also be given to readmissions, discharges, deaths, rated capacity, administrative personnel, and expenditures.

**Movement of patient population.**—At the end of 1939 there were 56,927 male patients and 53,614 female patients on the books of State institutions reporting. There was a majority of males in each category considered in the presentation of movement of patient population, with the exception of the number of patients placed in family care.

**Family care.**—It is more practicable to place female mentally defective patients in family care, since a woman may be more easily occupied at home. There is a tendency to retain men in institutions until it is deemed advisable to place them on parole or to discharge them. Only a few epileptic patients have been placed in family care. There were only 2 such patients at the end of 1939 as compared with 848 mental defectives. If an epileptic patient is not seriously mentally defective and his convulsions are mild, he may learn to cope with them without seeking institutional aid. Epileptics who come to an institution are usually seriously handicapped and cannot be cared for any more satisfactorily in a strange family than in their own.

At the end of 1939, six States made use of the practice of family care for mentally defective or epileptic patients. They were New Hampshire, Massachusetts, New York, Indiana, Wisconsin, and Oregon. Six States had no patients absent or on parole at the end of the year. They were Georgia, Tennessee, Mississippi, Oklahoma, Montana, and New Mexico. Placing a patient in family care or on parole is one means of determining whether or not he is able to get along in the community while the institution still has more or less supervision over his activities. After a patient has been discharged, the institution can no longer be intimately concerned with his welfare, and should an adjustment be impossible, readmission is the only recourse. States that do not maintain a parole system are more than likely to be those in which no social workers are employed, or where there are so few that they cannot be spared for follow-up parole work.

**Colony care.**—A report on mental defectives would hardly be complete without mention of the practice of colony care. Data were not collected separately for patients in colony care, but in many institutions of the country a large proportion of the number reported as resident in the institution did not reside in the institution proper, but in employment colonies of the institution.

Colony care was adopted because it went a long way toward solving two problems still urgent to many institution superintendents. At a time when no funds were available from State appropriations for the provision of additional bed capacity, it released a certain number of institution beds to which defective patients in the community in acute need of institutionalization might be admitted. Colony care also served a more significant purpose. It provided the means for training a large number of the less defective patients socially and occupationally so that they were capable either of self-support or of partial self-support in their own communities.

Colony care provides training in occupations more likely to prove economically profitable than the activities taught in institutional occupational therapy. There are farm colonies in which the training given may eventually lead toward employment of boys as helpers on neighborhood farms. There are industrial colonies for boys as well as for girls. These are usually maintained in a city not far from the institution where there are mills or factories to provide employment. There are domestic colonies for girls who work by the day in the homes of families in the community.

Colony care, by developing responsibility in the individual for the job that he performs, establishes his confidence in his ability to do something worth while. He has an opportunity to prove to himself that he is able to get along quite well outside the institution, and to prove to the institution authorities that he is ready to be placed on parole.

Interstate comparison.—In table 141 the movement of patient population, by State, is given separately for mental defectives and for epileptics. Patients diagnosed as neither mentally defective nor epileptic are not included in this State distribution. In a few States the number reported as neither mentally defective nor epileptic was large, either because they were freely admitted, or because the reporting was done on the basis of the present clinical condition of the patient. Some patients committed as mentally defective have been found to be mentally normal but emotionally maladjusted.

Some States reported no patients institutionalized with epilepsy. In these States it may be customary to diagnose epileptic patients as with mental deficiency, or to send these patients to a public hospital for mental disease.

Although there were more male (40,041) than female (38,469) mental defective patients institutionalized in the country as a whole, the New England (4,192 male, 4,453 female), South Atlantic (1,753 male, 1,799 female), and West South Central (686 male, 770 female) States reported more female than male patients. The New England States also had more institutionalized epileptic female (637) than male (592) patients. A larger proportion of patients diagnosed as "Neither mental defectives nor epileptics" were institutionalized in the Middle Atlantic States than in all other States combined; the vast majority was in the State of New York.

Of 78,510 mental defective and 16,276 epileptic patients in State institutions at the beginning of 1939, the largest proportions were in the Middle Atlantic and East North Central States. In the previous year the proportions for each diagnosis in both geographic divisions were slightly more than 25 percent.

TABLE 140.—MOVEMENT OF PATIENT POPULATION IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY MENTAL DISORDER AND SEX: 1939

MOVEMENT OF PATIENTS	ALL PATIENTS			MENTAL DEFECTIVES		EPILEPTICS		Neither mental defectives nor epileptics
	Total	Male	Female	Male	Female	Male	Female	
Patients on books at beginning of year—	107,577	55,112	52,285	44,828	43,177	9,526	8,886	1,462
In institution—	95,996	49,258	46,758	40,041	38,469	8,535	7,742	1,211
Absent—	11,581	5,874	5,507	4,787	4,708	992	643	251
In family care—	781	266	495	265	494	1	—	1
On parole or otherwise absent—	10,620	5,608	5,012	4,522	4,214	991	643	250
Admissions during year—	11,072	6,285	4,787	5,094	3,906	1,088	758	246
First admissions—	9,872	5,279	4,393	4,256	3,804	932	681	219
Readmissions—	776	469	286	862	216	126	65	7
Transfers from other institutions for mental defectives and epileptics—	626	517	108	496	86	11	12	20
Separations during year—	7,906	4,470	3,436	3,314	2,669	986	662	277
Discharges—	4,622	2,567	2,055	1,940	1,625	522	359	196
Direct from institution—	1,539	827	712	575	561	189	118	116
While on parole—	3,085	1,740	1,343	1,365	1,064	353	221	80
Transfers to other institutions for mental defectives and epileptics—	844	557	307	472	286	7	10	67
Deaths in institution—	2,582	1,355	1,047	885	750	447	310	12
Deaths while on parole—	60	31	29	19	26	10	3	2
Patients on books at end of year—	110,541	56,927	53,614	46,608	44,414	9,607	8,481	1,431
In institution—	98,727	50,789	47,938	41,551	39,558	8,628	7,828	1,162
Absent—	11,814	6,138	5,676	5,057	4,856	979	653	269
In family care—	854	310	544	307	541	2	—	4
On parole or otherwise absent—	10,960	5,828	5,132	4,750	4,315	977	653	265

TABLE 141.—MOVEMENT OF MENTAL DEFECTIVE AND EPILEPTIC PATIENTS IN

	MENTAL DISORDER, DIVISION, AND STATE	ON BOOKS AT BEGINNING OF YEAR			ADMISSIONS				
		Total	In instituti- on	In family care	On parole or other- wise absent	Total	First admis- sions	Read- mis- sions	Trans- fers
1	United States, <sup>1 2</sup>								
2	Mental defect-----	88,006	78,510	759	8,736	9,000	7,840	578	582
	Epilepsy-----	17,910	16,275	1	1,634	1,826	1,613	190	25
3	NEW ENGLAND: <sup>1</sup>								
4	Mental defect-----	9,670	8,645	84	941	595	553	32	10
	Epilepsy-----	1,551	1,229	1	121	102	84	17	1
5	Maine--								
	Mental defect-----	1,068	1,062	---	28	55	53	2	---
6	New Hampshire--								
7	Mental defect-----	653	550	64	39	74	67	7	---
	Epilepsy-----	32	31	1	---	4	4	---	---
8	Vermont--								
	Mental defect-----	310	294	---	16	42	41	1	---
9	Massachusetts <sup>1</sup> --								
10	Mental defect-----	5,566	5,118	20	428	292	268	14	10
	Epilepsy-----	1,061	995	---	66	80	65	16	1
11	Rhode Island--								
12	Mental defect-----	952	687	---	245	88	80	8	---
	Epilepsy-----	24	16	---	8	6	5	1	---
13	Connecticut--								
14	Mental defect-----	1,121	954	---	187	44	44	---	---
	Epilepsy-----	254	187	---	47	12	12	---	---
15	MIDDLE ATLANTIC:								
16	Mental defect-----	27,013	25,610	318	3,087	2,802	2,352	208	242
	Epilepsy-----	5,359	4,957	---	402	491	441	50	---
17	New York--								
18	Mental defect-----	18,159	15,778	316	2,045	2,215	1,806	193	216
	Epilepsy-----	2,536	2,276	---	260	315	280	35	---
19	New Jersey--								
20	Mental defect-----	3,917	3,251	---	686	243	203	14	26
	Epilepsy-----	1,618	1,531	---	87	107	96	11	---
21	Pennsylvania--								
22	Mental defect-----	4,957	4,601	---	356	344	343	1	---
	Epilepsy-----	1,206	1,160	---	55	69	65	4	---
23	EAST NORTH CENTRAL: <sup>1 2</sup>								
24	Mental defect-----	25,871	21,280	347	2,244	2,728	2,397	185	148
	Epilepsy-----	4,175	3,789	---	406	425	362	54	9
25	Ohio--								
26	Mental defect-----	6,511	5,327	---	1,184	455	397	13	45
	Epilepsy-----	2,264	2,060	---	204	242	196	39	7
27	Indiana <sup>1</sup> --								
	Mental defect-----	2,298	1,930	355	33	220	217	---	3
28	Illinois <sup>2</sup> --								
29	Mental defect-----	7,041	6,696	---	345	1,181	1,071	74	36
	Epilepsy-----	795	739	---	56	118	106	10	---
30	Michigan--								
31	Mental defect-----	5,527	5,096	---	441	519	419	92	8
	Epilepsy-----	1,078	950	---	128	49	44	5	---
32	Wisconsin--								
33	Mental defect-----	2,494	2,241	12	241	353	293	6	54
	Epilepsy-----	38	20	---	18	18	16	---	2

<sup>1</sup> Incomplete reporting, see footnote to table 136.<sup>2</sup> See p. 282.

MENTAL DEFECT AND EPILEPSY

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STATE INSTITUTIONS, BY MENTAL DISORDER, DIVISIONS, AND STATES: 1939

SEPARATIONS							ON BOOKS AT END OF YEAR				
Total	Discharges			Transfers	Deaths		Total	In institution	In family care	On parole or otherwise absent	
	Total	Direct from institution	While on parole		In institution	While on parole					
5,988 1,648	5,565 861	1,156 287	2,429 574	760 17	1,615 757	45 13	91,022 18,088	81,109 16,456	848 2	9,065 1,630	1 2
471 88	551 57	101 9	250 28	15 1	122 50	5 ---	9,794 1,565	8,705 1,275	185 2	956 90	3 4
42	9	1	8	---	35	---	1,101	1,075	---	26	5
50 4	45 3	11 2	32 1	---	7 1	---	677 32	558 30	82 2	37	6 7
21	9	9	---	2	10	---	351	314	---	17	8
261 70	200 28	59 2	141 26	11 1	47 41	3 ---	5,597 1,071	5,127 1,004	55 ---	417 67	9 10
65 3	55 3	16 2	39 1	---	9	1	955 27	714 21	---	241 6	11 12
32 11	15 3	5 3	10 ---	---	16 8	1 ---	1,135 235	915 218	---	218 17	15 14
1,858 490	1,285 278	552 30	951 248	195 ---	566 211	14 1	27,957 5,580	24,591 4,945	515 ---	5,051 417	15 16
1,598 274	1,018 195	524 15	694 178	158 ---	256 81	6 ---	18,956 2,577	16,537 2,281	515 ---	2,104 286	17 18
252 110	157 47	11 15	126 32	57 ---	52 65	6 ---	5,908 1,615	5,271 1,521	---	637 94	19 20
208 106	128 38	17 ---	111 38	---	78 67	2 1	5,093 1,188	4,785 1,141	---	510 27	21 22
1,715 435	707 215	95 48	614 167	451 2	547 212	10 4	24,884 4,167	22,059 3,770	583 ---	2,462 397	23 24
547 265	169 136	1 24	168 112	41 1	151 126	6 ---	6,619 2,245	5,401 2,066	---	1,218 178	25 26
189	14	---	14	100	55	---	2,349	1,965	356	28	27
397 100	174 57	70 17	104 40	56 ---	186 42	1 1	7,825 811	7,555 721	---	470 90	28 29
458 64	340 20	21 5	319 15	6 ---	91 42	1 2	5,608 1,065	5,165 950	---	443 115	30 31
364 6	10 2	1 2	9 ---	268 1	84 2	2 1	2,483 50	2,155 54	27 ---	505 16	32 33

TABLE 141.—MOVEMENT OF MENTAL DEFECTIVE AND EPILEPTIC PATIENTS IN STATE

	MENTAL DISORDER, DIVISION, AND STATE	ON BOOKS AT BEGINNING OF YEAR				ADMISSIONS			
		Total	In institu- tion	In family care	On parole or other- wise absent	Total	First admis- sions	Read- mis- sions	Trans- fers
1	WEST NORTH CENTRAL:								
2	Mental defect	10,680	10,515	—	567	955	862	62	11
	Epilepsy	2,980	2,785	—	197	269	26	—	5
3	Minnesota—								
4	Mental defect	2,704	2,682	—	22	521	278	40	5
	Epilepsy	864	858	—	6	74	65	7	2
5	Iowa—								
6	Mental defect	2,965	2,746	—	119	185	170	10	5
	Epilepsy	480	454	—	26	42	56	5	1
7	Missouri—								
8	Mental defect	1,179	1,164	—	15	141	141	—	—
	Epilepsy	302	297	—	5	53	52	1	—
9	North Dakota—								
10	Mental defect	756	716	—	20	54	52	2	—
	Epilepsy	162	152	—	—	25	25	2	—
11	South Dakota—								
12	Mental defect	576	559	—	38	45	41	4	—
	Epilepsy	107	99	—	8	9	8	1	—
13	Nebraska—								
14	Mental defect	1,400	1,284	—	136	95	88	5	—
	Epilepsy	69	67	—	2	—	—	—	—
15	Kansas—								
16	Mental defect	1,220	1,205	—	17	96	92	1	5
	Epilepsy	1,008	856	—	150	86	76	10	—
17	SOUTH ATLANTIC: <sup>1</sup>								
18	Mental defect	4,201	3,552	—	649	622	449	22	151
	Epilepsy	1,044	871	—	173	125	106	7	10
19	Delaware—								
20	Mental defect	429	382	—	47	65	59	4	2
	Epilepsy	61	60	—	1	7	7	—	—
21	District of Columbia—								
22	Mental defect	662	486	—	176	62	57	5	—
	Epilepsy	85	85	—	—	10	10	—	—
23	Virginia—								
24	Mental defect	1,125	857	—	268	344	188	7	149
	Epilepsy	601	445	—	158	61	66	7	8
25	North Carolina—								
26	Mental defect	644	577	—	67	60	60	—	—
	Epilepsy	55	55	—	—	5	5	—	—
27	South Carolina—								
28	Mental defect	552	527	—	25	35	34	1	—
	Epilepsy	100	100	—	—	9	9	—	—
29	Georgia—								
	Mental defect	351	351	—	—	54	51	5	—
30	Florida—								
31	Mental defect	458	392	—	66	22	20	2	—
	Epilepsy	142	128	—	14	15	11	—	2
32	EAST SOUTH CENTRAL:								
	Mental defect	2,405	2,345	—	60	224	215	6	5
33	Kentucky—								
	Mental defect	776	725	—	51	25	22	1	2
34	Tennessee—								
	Mental defect	625	625	—	—	61	57	4	—
35	Alabama—								
	Mental defect	647	638	—	9	92	88	5	1
36	Mississippi—								
	Mental defect	357	357	—	—	46	46	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 136.

MENTAL DEFECT AND EPILEPSY

INSTITUTIONS, BY MENTAL DISORDER, DIVISIONS, AND STATES: 1939—Continued

SEPARATIONS							ON BOOKS AT END OF YEAR				
Total	Discharges			Transfers	Deaths		Total	In institution	In family care	On parole or otherwise absent	
	Total	Direct from institution	While on parole		In institution	While on parole					
740 265	450 144	229 57	221 107	42 10	242 107	6 4	10,875 8,004	10,464 2,825	— —	411 179	1 2
289 61	205 34	150 9	75 25	25 2	59 25	— —	2,756 877	2,714 871	— —	22 6	3 4
149 55	94 30	57 5	57 25	4 8	50 16	1 1	2,901 467	2,767 450	— —	154 17	5 6
65 52	51 20	38 15	15 5	— —	14 12	— —	1,255 525	1,241 517	— —	14 6	7 8
51 10	18 4	8 4	10 —	— —	12 5	1 1	759 167	729 162	— —	50 5	9 10
46 15	34 7	14 5	20 4	— —	12 6	— —	575 105	538 97	— —	37 6	11 12
92 7	48 —	2 —	46 —	6 —	34 7	4 —	1,401 62	1,281 60	— —	120 2	13 14
68 87	— 49	— 1	— 48	7 —	61 56	— 2	1,248 1,005	1,194 868	— —	54 157	15 16
286 75	214 25	155 16	79 9	8 1	65 48	1 1	4,557 1,092	3,898 912	— —	659 180	17 18
44 2	40 2	24 1	16 1	— —	4 —	— —	450 66	404 65	— —	46 1	19 20
25 4	18 1	— 1	18 —	1 —	4 3	— —	701 91	515 91	— —	188 —	21 22
85 46	61 15	61 15	— —	5 —	17 33	— —	1,586 656	1,109 466	— —	277 170	25 24
16 1	— —	— —	— —	— —	16 1	— —	688 57	621 57	— —	67 —	25 26
24 9	20 1	6 1	14 —	— —	4 8	— —	565 100	535 100	— —	28 —	27 28
52	44	44	—	—	8	—	315	315	—	—	29
44 15	31 8	— —	31 8	2 1	10 5	1 1	436 142	401 155	— —	35 9	30 31
129	72	39	35	7	50	—	2,496	2,460	—	38	32
54	20	—	20	2	12	—	767	735	—	32	33
49	22	22	—	—	27	—	635	635	—	—	34
25	17	4	15	1	7	—	714	708	—	6	35
21	15	15	—	—	4	—	382	382	—	—	36

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TABLE 141.—MOVEMENT OF MENTAL DEFECTIVE AND EPILEPTIC PATIENTS IN STATE

	MENTAL DISORDER, DIVISION, AND STATE	ON BOOKS AT BEGINNING OF YEAR				ADMISSIONS			
		Total	In instituti- on	In family care	On parole or other- wise absent	Total	First admis- sions	Read- mis- sions	Trans- fers
	<b>WEST SOUTH CENTRAL:<sup>1</sup></b>								
1	Mental defect-----	1,541	1,456	-----	85	143	130	6	7
2	Epilepsy-----	1,828	1,564	-----	262	291	262	29	-----
	<b>Louisiana--</b>								
3	Mental defect-----	682	597	-----	85	24	21	5	-----
4	Epilepsy-----	212	189	-----	43	6	6	-----	-----
	<b>Oklahoma--</b>								
5	Mental defect-----	859	859	-----	-----	119	109	5	7
6	Epilepsy-----	169	169	-----	-----	24	24	-----	-----
	<b>Texas<sup>1</sup> --</b>								
7	Mental defect-----	-----	-----	-----	-----	-----	-----	-----	-----
8	Epilepsy-----	1,445	1,226	-----	219	261	232	29	-----
	<b>MOUNTAIN:<sup>1</sup></b>								
9	Mental defect-----	2,039	1,923	2	114	234	220	13	1
10	Epilepsy-----	291	278	-----	13	41	38	3	-----
	<b>Montana--</b>								
11	Mental defect-----	450	450	-----	-----	17	16	1	-----
12	Epilepsy-----	45	45	-----	-----	2	2	-----	-----
	<b>Wyoming--</b>								
13	Mental defect-----	389	314	-----	75	53	33	-----	-----
14	Epilepsy-----	62	51	-----	11	8	8	-----	-----
	<b>Colorado--</b>								
15	Mental defect-----	527	510	-----	17	67	63	3	1
16	Epilepsy-----	122	120	-----	2	14	12	2	-----
	<b>New Mexico--</b>								
17	Mental defect-----	66	63	2	1	9	9	-----	-----
18	Epilepsy-----	5	5	-----	-----	1	1	-----	-----
	<b>Utah--</b>								
19	Mental defect-----	607	586	-----	21	108	99	9	-----
20	Epilepsy-----	57	57	-----	-----	16	15	1	-----
	<b>PACIFIC:</b>								
21	Mental defect-----	6,587	5,388	10	1,189	717	664	42	11
22	Epilepsy-----	884	824	-----	60	64	60	4	-----
	<b>Washington--</b>								
23	Mental defect-----	1,413	1,255	-----	158	119	116	3	-----
24	Epilepsy-----	265	265	-----	-----	19	19	-----	-----
	<b>Oregon--</b>								
25	Mental defect-----	1,084	942	10	132	144	127	17	-----
	<b>California--</b>								
26	Mental defect-----	4,090	3,191	-----	899	454	421	22	11
27	Epilepsy-----	619	559	-----	60	45	41	4	-----

<sup>1</sup>Incomplete reporting, see footnote to table 136.

<sup>2</sup>Illinois reported patients on a legal basis for the movement of patient population and on a clinical diagnosis basis for resident patients, first admissions, readmissions, discharges, and deaths. Consequently, there are discrepancies between the figures presented on movement tables and subsequent tables.



MENTAL DEFECT AND EPILEPSY

INSTITUTIONS, BY MENTAL DISORDER, DIVISIONS, AND STATES: 1939—Continued

SEPARATIONS							ON BOOKS AT END OF YEAR				
Total	Discharges			Transfers	Deaths		Total	In institution	In family care	On parole or otherwise absent	
	Total	Direct from institution	While on parole		In institution	While on parole					
86	45	41	4	3	38	---	1,508	1,508	---	92	1
208	158	157	1	---	65	---	1,914	1,845	---	289	2
28	4	---	4	---	24	---	678	586	---	92	3
4	1	---	1	---	5	---	214	170	---	44	4
58	41	41	---	3	14	---	920	920	---	---	5
25	14	14	---	---	9	---	170	170	---	---	6
176	125	125	---	---	55	---	1,550	1,506	---	225	7
177	158	104	54	1	18	---	2,096	1,936	---	180	9
27	15	9	4	1	12	1	305	282	---	25	10
59	57	57	---	---	2	---	408	408	---	---	11
6	5	5	---	---	1	---	41	41	---	---	12
27	25	3	20	---	4	---	595	528	---	67	13
5	3	---	3	---	1	1	65	51	---	14	14
25	14	11	3	1	8	---	571	549	---	22	15
9	---	---	---	---	9	---	127	124	---	5	16
6	6	4	2	---	---	---	69	69	---	---	17
2	1	---	1	1	---	---	4	4	---	---	18
62	58	29	29	---	4	---	655	582	---	71	19
5	4	4	---	---	1	---	66	62	---	6	20
521	305	42	263	40	167	9	6,785	5,612	15	1,258	21
67	11	1	10	2	52	2	661	806	---	75	22
80	8	5	3	24	46	2	1,452	1,225	---	229	25
29	---	---	---	1	28	---	255	250	---	5	24
96	57	2	55	5	35	1	1,192	985	15	154	26
345	240	35	205	11	88	6	4,199	3,506	---	693	26
58	11	1	10	1	24	2	626	556	---	70	27

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TABLE 142.—PATIENTS IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS AT THE BEGINNING OF THE YEAR, BY MENTAL DISORDER AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	MENTAL DEFECTIVES			EPILEPTICS			Neither mental defectives nor epileptics
	Total	Male	Female	Total	Male	Female	
United States <sup>1</sup> .....	78,510	40,041	38,469	16,275	8,535	7,742	1,211
<b>NEW ENGLAND <sup>1</sup>.....</b>	<b>8,645</b>	<b>4,192</b>	<b>4,453</b>	<b>1,229</b>	<b>592</b>	<b>637</b>	<b>128</b>
Maine.....	1,062	557	525	—	—	—	1
New Hampshire.....	550	284	266	51	7	24	—
Vermont.....	294	100	194	—	—	—	15
Massachusetts <sup>1</sup> .....	5,118	2,491	2,627	995	489	506	107
Rhode Island.....	687	320	367	16	8	8	—
Connecticut.....	954	480	474	187	86	99	—
<b>MIDDLE ATLANTIC.....</b>	<b>28,610</b>	<b>12,082</b>	<b>11,558</b>	<b>4,957</b>	<b>2,722</b>	<b>2,235</b>	<b>845</b>
New York.....	15,778	8,539	7,239	2,276	1,132	1,144	522
New Jersey.....	5,281	1,400	1,851	1,531	778	753	299
Pennsylvania.....	4,601	2,113	2,488	1,150	612	538	22
<b>EAST NORTH CENTRAL <sup>1</sup>.....</b>	<b>21,280</b>	<b>10,887</b>	<b>10,393</b>	<b>5,769</b>	<b>2,004</b>	<b>1,765</b>	<b>111</b>
Ohio.....	5,327	2,564	2,763	2,060	1,067	995	—
Indiana <sup>1</sup> .....	1,950	855	1,075	—	—	—	—
Illinois.....	6,696	3,554	3,142	739	450	289	32
Michigan.....	5,086	2,742	2,344	950	482	468	—
Wisconsin.....	2,241	1,172	1,069	20	5	15	79
<b>WEST NORTH CENTRAL.....</b>	<b>10,313</b>	<b>5,308</b>	<b>5,010</b>	<b>2,783</b>	<b>1,393</b>	<b>1,390</b>	<b>12</b>
Minnesota.....	2,682	1,366	1,316	658	437	421	8
Iowa.....	2,746	1,345	1,401	454	204	250	—
Missouri.....	1,164	681	583	297	145	152	—
North Dakota.....	716	391	325	152	87	65	—
South Dakota.....	536	300	236	99	61	38	4
Nebraska.....	1,264	667	597	67	31	36	—
Kansas.....	1,205	605	600	656	428	428	—
<b>SOUTH ATLANTIC <sup>1</sup>.....</b>	<b>5,552</b>	<b>1,753</b>	<b>1,799</b>	<b>871</b>	<b>440</b>	<b>431</b>	<b>94</b>
Delaware.....	582	213	169	60	32	28	—
District of Columbia.....	486	257	229	85	51	34	—
Virginia.....	857	418	439	443	215	228	—
North Carolina.....	577	262	315	55	25	30	—
South Carolina.....	527	265	262	100	52	48	94
Georgia.....	531	158	195	—	—	—	—
Florida.....	592	200	192	128	65	63	—
<b>EAST SOUTH CENTRAL.....</b>	<b>2,343</b>	<b>1,254</b>	<b>1,109</b>	—	—	—	<b>3</b>
Kentucky.....	725	381	344	—	—	—	3
Tennessee.....	625	277	348	—	—	—	—
Alabama.....	636	367	251	—	—	—	—
Mississippi.....	357	189	168	—	—	—	—
<b>WEST SOUTH CENTRAL <sup>1</sup>.....</b>	<b>1,456</b>	<b>686</b>	<b>770</b>	<b>1,564</b>	<b>816</b>	<b>748</b>	<b>9</b>
Louisiana.....	597	315	282	169	85	84	9
Oklahoma.....	659	371	488	169	74	95	—
Texas <sup>1</sup> .....	—	—	—	1,226	657	569	—
<b>MOUNTAIN <sup>1</sup>.....</b>	<b>1,925</b>	<b>1,022</b>	<b>901</b>	<b>278</b>	<b>145</b>	<b>133</b>	<b>3</b>
Montana.....	450	257	193	45	28	17	—
Wyoming.....	314	161	153	51	24	27	3
Colorado.....	510	261	249	120	63	57	—
New Mexico.....	65	18	45	5	1	4	—
Utah.....	586	325	261	57	29	28	—
<b>PACIFIC.....</b>	<b>5,388</b>	<b>2,912</b>	<b>2,476</b>	<b>824</b>	<b>421</b>	<b>403</b>	<b>13</b>
Washington.....	1,255	697	558	265	140	125	—
Oregon.....	942	491	451	—	—	—	—
California.....	3,191	1,724	1,467	559	281	278	13

<sup>1</sup> Incomplete reporting, see footnote to table 136.

Trend in institutionalization.—From 1923 to 1940 the rate for patients resident in State institutions for mental defect and epilepsy increased from 42.1 to 75.1 per 100,000 of the total population. The number of patients on parole or otherwise absent rose steadily to 1936, from 4,060, 8.0 percent of the total on books in 1923, to 14,463, 13.6 percent of the total in 1936. The most recent data show fewer patients on parole or otherwise absent, probably because fewer institutions have reported. The number of patients in family care has increased from 479 in 1937, the first year for which these data were collected, to 854 at the end of 1939 (designated as 1940 in the table).

TABLE 143.—PATIENTS IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY STATUS ON BOOKS AT THE BEGINNING OF THE YEAR, AND INSTITUTIONAL RATE PER 100,000 ESTIMATED POPULATION: 1923, 1926-1940

YEAR	Total on books	IN INSTITUTION		IN FAMILY CARE <sup>1</sup>		ON PAROLE OR OTHERWISE ABSENT	
		Number	Rate per 100,000 estimated population <sup>2</sup>	Number	Percent	Number	Percent
1940 <sup>3</sup>	110,541	98,727	75.1	854	0.8	10,960	9.9
1939	107,577	95,996	75.6	761	0.7	10,820	9.9
1938	111,564	97,209	75.2	769	0.7	13,586	12.0
1937	108,616	93,772	73.0	479	0.4	14,365	15.2
1936	106,217	91,754	71.8	—	—	14,463	13.6
1935	105,227	89,760	70.8	—	—	15,467	13.0
1934	100,605	87,582	69.5	—	—	13,223	13.1
1933	96,127	84,151	67.2	—	—	11,976	12.5
1932	87,555	76,726	61.6	—	—	10,827	12.4
1931	82,919	72,565	59.7	—	—	10,354	12.5
1930	77,592	68,055	55.5	—	—	9,537	12.5
1929	75,035	64,417	53.4	—	—	8,618	11.8
1928	68,269	60,412	50.8	—	—	7,857	11.5
1927	66,444	58,567	49.7	—	—	8,077	12.2
1926	62,549	55,201	47.7	—	—	7,148	11.5
1923	50,640	46,590	42.1	—	—	4,060	8.0

<sup>1</sup> Prior to 1937, data on patients "In family care" were not requested.

<sup>2</sup> Population as of January 1 of corresponding year.

<sup>3</sup> Number of patients reported at the end of the year 1939.

Rates of institutionalization.—The total number of patients in State institutions has shown consistent increase, not only in the country as a whole, but, generally speaking, in each of the States and geographic divisions as well. Rates for geographic divisions for which any 1939 institutional data were lacking were not computed. The rate for the country as a whole, 73.6 per 100,000 of the total population, is based on the entire United States population. The States with highest rates are Delaware (168.1), Wyoming (148.4), Massachusetts (143.8), New York (139.0), and North Dakota (134.4).

When separate rates of institutionalization for mental defect and for epilepsy were computed, the rate per 100,000 of the population for the country as a whole was 60.2 for the former and 12.5 for the latter. The States with highest rates reported for mental defect were Delaware (145.2) and Wyoming (126.6). Of those States reporting hospitalized epileptics, the rates were highest in Kansas (47.4), New Jersey (37.0), Minnesota (31.1), Ohio (30.0), and North Dakota (23.5).

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 144.—PATIENTS IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS AT THE BEGINNING OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION, BY MENTAL DISORDER, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL PATIENTS <sup>1</sup>		MENTAL DEFECTIVES		EPILEPTICS	
	Number	Rate per 100,000 estimated population <sup>2</sup>	Number	Rate per 100,000 estimated population <sup>2</sup>	Number	Rate per 100,000 estimated population <sup>2</sup>
United States <sup>3</sup>	95,996	75.6	78,510	60.2	16,275	12.5
<b>NEW ENGLAND<sup>3</sup></b>	9,997	—	8,645	102.8	1,229	14.6
Maine	1,065	126.4	1,062	126.5	—	—
New Hampshire	581	119.1	550	112.7	51	6.4
Vermont	509	86.1	294	61.9	—	—
Massachusetts <sup>3</sup>	6,220	145.8	5,118	118.5	995	25.0
Rhode Island	705	99.9	687	97.6	16	2.3
Connecticut	1,121	66.1	954	55.1	187	11.0
<b>MIDDLE ATLANTIC</b>	29,410	107.5	23,610	86.5	4,957	18.1
New York	18,576	189.0	15,778	118.1	2,276	17.0
New Jersey	5,061	122.2	5,261	78.0	1,551	37.0
Pennsylvania	5,775	58.6	4,601	46.7	1,150	11.7
<b>EAST NORTH CENTRAL<sup>3</sup></b>	25,160	—	21,280	80.7	3,769	14.3
Ohio	7,387	107.5	5,527	77.5	2,060	50.0
Indiana <sup>3</sup>	1,950	56.7	1,950	56.7	—	—
Illinois	7,467	95.0	6,696	85.2	739	9.4
Michigan	6,036	117.9	5,086	99.4	950	18.6
Wisconsin	2,340	75.2	2,241	72.0	20	0.6
<b>WEST NORTH CENTRAL</b>	15,108	97.2	10,513	76.5	2,785	20.6
Minnesota	5,848	128.4	2,682	97.1	668	31.1
Iowa	5,200	126.6	2,746	108.6	454	18.0
Missouri	1,461	38.8	1,164	30.9	297	7.9
North Dakota	868	154.4	716	110.8	152	25.5
South Dakota	641	98.5	558	82.6	99	15.2
Nebraska	1,551	100.7	1,264	95.6	67	5.1
Kansas	2,059	115.9	1,203	66.6	856	47.4
<b>SOUTH ATLANTIC<sup>3</sup></b>	4,517	—	3,552	20.2	871	5.0
Delaware	442	168.1	382	145.2	60	22.8
District of Columbia	571	89.1	486	75.8	85	15.3
Virginia	1,500	49.1	857	32.4	443	16.7
North Carolina	632	18.0	577	16.4	55	1.6
South Carolina	721	58.4	527	28.0	100	5.5
Georgia	551	10.7	351	10.7	—	—
Florida	520	28.5	392	21.5	128	7.0
<b>EAST SOUTH CENTRAL</b>	2,546	22.0	2,545	22.0	—	—
Kentucky	728	25.9	725	25.7	—	—
Tennessee	625	21.7	625	21.7	—	—
Alabama	658	22.7	658	22.7	—	—
Mississippi	557	16.5	557	16.5	—	—
<b>WEST SOUTH CENTRAL<sup>3</sup></b>	3,029	—	1,456	11.2	1,564	12.1
Louisiana	775	33.3	597	25.6	169	7.3
Oklahoma	1,028	43.9	859	36.7	169	7.2
Texas <sup>3</sup>	1,226	19.3	—	—	1,226	19.3
<b>MOUNTAIN<sup>3</sup></b>	2,204	—	1,925	47.0	278	6.8
Montana	495	89.0	450	80.9	45	8.1
Wyoming	568	148.4	514	126.6	51	20.6
Colorado	650	58.7	510	45.9	120	10.8
New Mexico	68	15.1	65	12.2	5	1.0
Utah	645	118.0	586	107.5	57	10.5
<b>PACIFIC</b>	6,225	65.3	5,388	56.5	824	8.6
Washington	1,520	88.7	1,255	73.2	265	15.5
Oregon	942	87.9	942	87.9	—	—
California	3,765	55.7	3,191	47.2	559	8.5

<sup>1</sup> Including patients reported as neither mental defectives nor epileptics.<sup>2</sup> Estimated population as of January 1, 1939.<sup>3</sup> Incomplete reporting, see footnote to table 136.

**Resident patients.**—These tabulations, by mental status of mental defectives and clinical diagnosis of epileptics resident in State institutions of the country, are the first that have been made available by the Bureau of the Census since the enumeration of 1933. The age distributions within each mental status of mental defectives and clinical diagnosis of epileptics for males and females resident in State institutions have never been made available.

The data reporting resident patients are as of December 31, 1939, and will not necessarily agree with data reported in the previous section on movement of population. Movement of population is reported for the fiscal year of the institution, which in many instances does not coincide with the calendar year.

**Mental defect.**—The American Association on Mental Deficiency has adopted a classification of mental status of mentally defective patients that defines the terms idiot, imbecile, and moron as follows:

An **idiot** is a mentally defective person usually having a mental age of less than 3 years, or, if a child, an intelligence quotient of less than 20.

An **imbecile** is a mentally defective person usually having a mental age of 3 years to 7 years, inclusive, or, if a child, an intelligence quotient of from 20 to 49, inclusive.

A **moron** is a mentally defective person usually having a mental age of 8 to 11 years, inclusive, or, if a child, an intelligence quotient of 50 or more. As a rule, the upper limit for a diagnosis of mental deficiency should be an intelligence quotient of 69.

At the end of 1939 there were reported 79,868 mental defective resident patients in State institutions, 40,834 male and 39,034 female. The number of males was larger among both idiots (6,463 as compared with 5,882 females) and imbeciles (15,675 as compared with 14,924 females), but in the moron classification there were more female patients (14,682) than male (14,255). In all there were 12,345 idiots, 30,599 imbeciles, and 28,937 morons, while 7,987 patients were classified as with unknown mental status. It is interesting to observe that the number of imbeciles was slightly higher (5.7 percent) than the number of morons among resident patients, while among first admissions there were 62.5 percent more morons (3,834) than imbeciles (2,359). The discharge rate among patients classified as moron was high, and as a result they do not tend to accumulate in the institution, whereas patients graded as imbeciles are less likely to be discharged, and probably those of lower mental statuses, at least, remain in the institution for their entire lifetime.

Of the 40,834 male mental defectives resident in State institutions, the largest number were from 15 to 19 years of age. The median age of males was 21.2 years. Of the 39,034 female mental defectives, the median age was 24.4 years. Of mental defectives over 25 years of age, the numbers of males and females were nearly equal. More male patients were admitted at younger ages than female.

**Epilepsy.**—A classification of clinical diagnoses of epilepsy has been adopted by the National Association for the Study of Epilepsy (now amalgamated with the American Psychiatric Association). Most patients may be classified as having either symptomatic or idiopathic epilepsy. The remainder must be designated as with epilepsy of unknown cause. The terms are defined as follows:

Under the heading **symptomatic** are to be included only those cases in which it is decided that the seizures are symptoms of a definite disease.

Under the heading **idiopathic** are to be included those cases in which the condition is apparently not associated with a disease process, toxic condition, or structural defect.

Under the heading **unknown** are to be included those cases in which it is undetermined whether the condition is associated with a disease process, toxic condition, or structural defect.

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 145.—MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total	Male	Female	IDIOT		IMBECILE		MORON		UNKNOWN	
				Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1,2</sup>	79,868	40,854	59,084	6,465	5,982	15,675	14,924	14,255	14,682	4,441	5,546
NEW ENGLAND <sup>1</sup>	8,705	4,225	4,480	744	649	1,824	1,755	1,564	1,796	291	280
Maine	1,075	555	522	89	86	255	219	209	217	—	—
New Hampshire	558	288	270	—	—	—	—	—	—	288	270
Vermont	514	122	192	20	16	58	101	44	75	—	—
Massachusetts <sup>1</sup>	5,127	2,486	2,641	428	370	1,129	1,079	929	1,192	—	—
Rhode Island	714	351	383	75	72	189	185	64	118	3	10
Connecticut	915	445	472	152	105	195	173	118	194	—	—
MIDDLE ATLANTIC	24,695	12,672	12,021	1,470	1,389	4,087	3,881	4,672	4,852	2,295	1,899
New York	16,659	9,061	7,578	1,104	966	3,474	3,118	4,480	5,426	33	46
New Jersey	3,271	1,552	1,919	366	385	563	625	422	891	1	20
Pennsylvania	4,785	2,259	2,524	—	20	—	158	—	555	2,259	1,851
EAST NORTH CENTRAL <sup>1</sup>	21,682	11,078	10,604	2,058	1,672	4,501	4,006	4,519	4,480	400	246
Ohio	5,401	2,595	2,816	476	395	1,102	996	917	1,406	90	21
Indiana <sup>1</sup>	1,965	874	1,091	206	255	371	458	295	375	2	3
Illinois	6,900	3,640	3,260	527	506	1,460	1,302	1,564	1,426	69	24
Michigan	5,165	2,791	2,374	539	472	854	845	1,126	910	192	147
Wisconsin	2,251	1,188	1,063	310	244	434	405	397	365	47	51
WEST NORTH CENTRAL	10,454	5,376	5,078	1,072	908	2,692	2,496	1,556	1,656	56	18
Minnesota	2,714	1,357	1,357	300	258	549	539	505	500	3	—
Iowa	2,766	1,567	1,899	164	128	887	863	518	408	—	—
Missouri	1,241	671	570	145	137	272	258	205	160	49	15
North Dakota	720	398	322	97	76	176	146	121	97	4	3
South Dakota	538	295	243	40	32	156	125	99	86	—	—
Nebraska	1,281	687	594	190	156	352	265	165	195	—	—
Kansas	1,194	601	593	156	141	320	300	145	152	—	—
SOUTH ATLANTIC <sup>1</sup>	3,951	2,046	1,905	261	225	625	751	514	480	646	469
Delaware	414	222	192	24	39	67	68	129	85	2	2
Dist. of Columbia	515	272	243	43	29	99	105	180	109	—	—
Virginia	1,109	645	466	—	—	—	—	—	—	645	466
North Carolina	664	312	352	97	78	172	210	42	63	1	1
South Carolina	535	270	265	41	33	144	159	85	75	—	—
Georgia	515	122	191	9	4	79	118	34	69	—	—
Florida	401	205	196	47	42	64	71	94	83	—	—
EAST SOUTH CENTRAL	2,485	1,271	1,212	225	237	652	662	565	270	49	45
Kentucky	755	389	346	65	52	238	222	86	72	—	—
Tennessee	655	274	361	86	86	181	215	57	60	—	—
Alabama	751	408	325	45	62	207	181	156	80	—	—
Mississippi	324	200	182	31	37	56	44	64	58	49	45
WEST SOUTH CENTRAL <sup>1,2</sup>	586	514	272	—	—	—	—	—	—	514	272
Louisiana	586	514	272	—	—	—	—	—	—	514	272
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	1,956	1,000	956	165	140	284	295	241	217	510	286
Montana	408	251	177	47	35	72	52	105	86	7	4
Wyoming	328	165	165	51	22	64	51	68	62	—	—
Colorado	549	288	266	87	78	156	139	58	48	2	1
New Mexico	69	22	47	—	5	12	21	10	21	—	—
Utah	582	301	281	—	—	—	—	—	—	301	281
PACIFIC	5,380	2,854	2,526	468	462	1,280	1,100	1,024	951	82	33
Washington	1,225	671	552	115	117	307	240	170	166	81	29
Oregon	985	506	477	60	73	227	205	218	195	1	4
California	3,174	1,677	1,497	293	272	746	655	636	570	—	—

<sup>1</sup> Incomplete reporting, see footnotes to table 136.

<sup>2</sup> Excluding 409 male and 511 female patients in Oklahoma (information received after completion of tabulations).

There were 16,295 epileptic resident patients in State institutions at the end of the year; 8,524 were male and 7,771 were female. The proportion of idiopathic epileptics was smaller among resident patients (52.3 percent) than it was among first admissions (61.5 percent). By far the largest portion of symptomatic epileptics institutionalized (2,196) were diagnosed as with epilepsy due to definite brain diseases (1,619).

The median ages of male and female epileptic resident patients in State institutions at the end of the year were higher than the median ages reported for mental defectives. The median age of the 8,524 male epileptics was 27.0 years, while for the 7,771 female epileptics the median age was 29.4 years. Of both male and female epileptics 5.2 percent were 60 years and over, while among mental defectives the proportion older than 60 years was only 1.9 percent in both sexes.

TABLE 146.—MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY AGE: 1939

AGE (IN YEARS)	Total	Male	Female	IDIOT		IMBECILE		MORON		UNKNOWN	
				Male	Female	Male	Female	Male	Female	Male	Female
All ages <sup>1</sup>	79,868	40,834	39,034	6,465	5,862	15,675	14,824	14,255	14,662	4,441	3,546
Under 5	718	392	326	145	135	165	114	64	48	22	29
5 to 9	4,187	2,478	1,709	742	592	952	620	738	477	46	20
10 to 14	9,849	5,814	4,135	1,153	820	2,000	1,465	2,575	1,681	88	69
15 to 19	14,844	8,295	6,549	1,257	1,018	2,880	2,256	4,013	3,181	145	94
20 to 24	11,858	5,868	5,750	994	851	2,257	2,178	2,513	2,683	124	88
25 to 29	8,783	4,200	4,583	710	660	2,007	1,902	1,428	1,982	55	39
30 to 39	10,911	4,837	6,074	759	852	2,558	2,771	1,468	2,428	52	45
40 to 49	6,581	2,754	3,827	415	485	1,500	1,954	795	1,365	44	25
50 to 59	3,501	1,460	1,841	210	256	850	992	394	579	26	14
60 and over	1,492	666	826	48	117	392	487	207	216	19	6
Unknown	7,464	4,050	3,414	32	38	156	185	62	42	3,820	3,149
Median age	22.8	21.2	24.4	19.7	21.5	25.9	26.9	19.6	23.6	—	—

<sup>1</sup> Excluding 409 male and 511 female patients in Oklahoma (information received after completion of tabulations).

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 147.—MALE MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										
		Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 39	40 to 49	50 to 59	60 and over	Un-known
United States <sup>1</sup> <sup>2</sup>	40,854	592	2,478	5,814	8,295	5,888	4,200	4,837	2,754	1,480	666	4,050
NEW ENGLAND <sup>1</sup>	4,225	58	226	665	878	625	438	582	298	154	55	291
Maine	553	—	23	55	128	95	55	97	59	28	13	2
New Hampshire	288	—	—	—	—	—	—	—	—	—	—	288
Vermont	122	—	9	59	46	18	—	6	4	—	—	—
Massachusetts <sup>1</sup>	2,486	50	179	466	562	354	266	350	170	80	29	—
Rhode Island	331	3	10	72	66	55	34	44	25	13	8	1
Connecticut	443	—	5	31	76	105	85	85	40	13	5	—
MIDDLE ATLANTIC	12,672	49	618	1,478	2,457	1,711	1,215	1,400	771	374	144	2,455
New York	9,061	47	552	1,285	2,155	1,459	1,045	1,167	683	341	131	196
New Jersey	1,352	2	66	193	302	252	170	255	88	35	13	—
Pennsylvania	2,259	—	—	—	—	—	—	—	—	—	—	2,259
EAST NORTH CENTRAL <sup>1</sup>	11,078	191	1,061	1,989	2,377	1,650	1,177	1,261	758	408	202	24
Ohio	2,585	—	23	182	515	441	355	489	309	191	94	6
Indiana <sup>1</sup>	874	—	48	95	272	148	117	76	60	41	19	—
Illinois	3,640	62	215	438	733	654	490	507	306	148	87	2
Michigan	2,781	104	680	1,027	551	210	96	80	32	14	1	16
Wisconsin	1,188	25	97	249	326	197	139	109	31	14	1	—
WEST NORTH CENTRAL	5,376	64	261	755	1,113	779	636	746	496	365	179	2
Minnesota	1,557	7	44	179	297	208	159	193	132	96	42	—
Iowa	1,367	27	91	193	258	177	140	187	115	116	61	2
Missouri	871	1	38	153	181	127	61	84	33	9	4	—
North Dakota	398	10	18	55	82	58	65	51	32	15	12	—
South Dakota	295	1	14	51	55	27	25	55	37	38	14	—
Nebraska	687	6	34	71	119	90	96	109	79	55	26	—
Kansas	601	12	22	73	123	92	90	67	68	36	18	—
SOUTH ATLANTIC <sup>1</sup>	2,046	10	66	223	404	293	164	140	63	28	11	644
Delaware	222	7	10	40	68	55	18	15	11	11	6	1
Dist. of Columbia	272	5	16	39	83	59	33	23	12	3	1	—
Virginia	643	—	—	—	—	—	—	—	—	—	—	643
North Carolina	312	—	18	53	86	67	40	33	14	1	—	—
South Carolina	270	—	7	33	76	50	34	35	18	13	4	—
Georgia	122	—	5	21	40	32	14	9	1	—	—	—
Florida	205	—	10	37	51	50	25	25	7	—	—	—
EAST SOUTH CENTRAL	1,271	5	40	149	308	284	159	197	101	32	12	6
Kentucky	389	—	13	33	103	69	42	68	36	15	6	4
Tennessee	274	2	18	33	44	64	32	49	25	5	2	—
Alabama	408	—	3	63	119	92	63	53	8	5	2	—
Mississippi	200	1	6	20	42	39	22	27	32	7	2	2
WEST SOUTH CENTRAL <sup>1</sup> <sup>2</sup>	514	—	—	—	—	—	—	—	—	—	—	514
Louisiana	514	—	—	—	—	—	—	—	—	—	—	514
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	1,000	9	47	154	135	106	88	91	43	15	9	303
Montana	231	—	14	50	55	43	25	28	13	1	1	1
Wyoming	163	2	11	46	31	17	15	19	9	10	3	—
Colorado	283	7	22	51	45	41	44	42	21	4	5	1
New Mexico	22	—	—	7	4	5	4	2	—	—	—	—
Utah	301	—	—	—	—	—	—	—	—	—	—	301
PACIFIC	2,854	33	159	423	623	460	323	420	244	104	54	11
Washington	671	9	34	94	128	122	103	100	70	10	1	—
Oregon	506	8	37	86	101	64	57	75	38	18	12	10
California	1,677	16	88	243	394	274	163	245	136	76	41	1

<sup>1</sup> Incomplete reporting, see footnote to table 136.

<sup>2</sup> Excluding 408 patients in Oklahoma (information received after completion of tabulations).



MENTAL DEFECT AND EPILEPSY

TABLE 148.—FEMALE MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										Un-known
		Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 39	40 to 49	50 to 59	60 and over	
United States <sup>1 2</sup>	39,054	326	1,709	4,135	6,549	5,750	4,583	6,074	3,827	1,841	826	3,414
NEW ENGLAND <sup>1</sup>	4,480	23	173	455	707	763	563	810	467	178	70	271
Maine	522	---	9	41	82	96	65	107	72	35	15	---
New Hampshire	270	---	---	---	---	---	---	---	---	---	---	270
Vermont	192	---	10	37	50	37	12	38	7	---	---	1
Massachusetts <sup>1</sup>	2,641	21	145	323	444	468	331	488	277	107	37	---
Rhode Island	383	2	7	38	68	75	55	68	51	15	4	---
Connecticut	472	---	2	16	63	87	100	109	60	21	14	---
MIDDLE ATLANTIC	12,021	31	382	1,052	1,835	1,717	1,463	1,853	1,061	422	144	2,061
New York	7,578	50	326	881	1,496	1,222	950	1,243	810	306	84	230
New Jersey	1,919	1	56	171	305	339	293	367	215	113	59	---
Pennsylvania	2,524	---	---	---	34	156	220	243	36	3	1	1,831
EAST NORTH CENTRAL <sup>1</sup>	10,604	177	760	1,494	1,832	1,559	1,198	1,634	1,066	576	282	26
Ohio	2,816	---	30	156	418	400	402	605	425	258	119	3
Indiana <sup>1</sup>	1,091	---	51	125	166	192	149	171	142	73	22	---
Illinois	3,260	44	135	293	522	512	406	577	399	226	140	6
Michigan	2,374	110	460	757	480	230	111	146	52	11	---	17
Wisconsin	1,063	23	84	163	246	225	130	135	48	8	1	---
WEST NORTH CENTRAL	5,078	50	181	501	907	730	584	809	662	416	234	4
Minnesota	1,357	3	19	136	266	212	140	228	200	96	56	1
Iowa	1,599	20	61	125	229	176	149	233	162	158	105	1
Missouri	570	---	21	92	121	96	90	85	50	9	6	---
North Dakota	322	2	14	38	71	47	34	51	34	21	10	---
South Dakota	243	1	10	19	35	30	23	36	44	28	15	2
Nebraska	594	7	21	45	89	102	74	107	65	58	26	---
Kansas	593	17	35	46	96	67	74	69	107	66	16	---
SOUTH ATLANTIC <sup>1</sup>	1,905	4	56	192	380	258	204	221	88	28	5	469
Delaware	192	2	9	29	57	25	21	20	19	7	1	2
Dist. of Columbia	243	1	13	15	66	45	38	39	21	5	---	---
Virginia	466	---	---	---	---	---	---	---	---	---	---	466
North Carolina	352	---	10	50	86	65	44	72	20	2	2	1
South Carolina	265	---	6	26	61	45	37	52	23	13	2	---
Georgia	191	1	9	40	65	36	27	13	---	---	---	---
Florida	196	---	9	32	45	42	37	25	5	1	---	---
EAST SOUTH CENTRAL	1,212	1	22	105	247	237	176	236	112	39	15	22
Kentucky	346	---	6	25	42	60	38	97	43	21	10	4
Tennessee	361	---	7	22	60	74	62	76	38	17	5	---
Alabama	323	---	5	42	85	63	58	49	21	---	---	---
Mississippi	182	1	4	16	60	40	18	14	10	1	---	18
WEST SOUTH CENTRAL <sup>1 2</sup>	272	---	---	---	---	---	---	---	---	---	---	272
Louisiana	272	---	---	---	---	---	---	---	---	---	---	272
Oklahoma <sup>2</sup>	---	---	---	---	---	---	---	---	---	---	---	---
MOUNTAIN <sup>1</sup>	956	2	34	83	130	114	88	107	64	24	7	283
Montana	177	---	5	29	34	27	24	30	19	4	3	2
Wyoming	165	---	16	15	27	32	12	27	24	8	4	---
Colorado	266	2	13	36	55	43	40	46	19	12	---	---
New Mexico	47	---	---	5	14	12	12	4	2	---	---	---
Utah	281	---	---	---	---	---	---	---	---	---	---	281
PACIFIC	2,526	38	101	253	511	372	307	404	307	158	69	6
Washington	552	11	25	47	96	78	81	104	79	29	2	---
Oregon	477	8	31	49	82	59	63	77	58	35	9	6
California	1,497	19	45	157	333	235	163	223	170	94	58	---

<sup>1</sup> Incomplete reporting, see footnote to table 136.

<sup>2</sup> Excluding 511 patients in Oklahoma (information received after completion of tabulations).

TABLE 149.—EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total	Male	Female	SYMPTOMATIC			
				Toxic			
				Exogenous		Endogenous	
				Male	Female	Male	Female
United States <sup>1</sup> <sup>a</sup>	16,295	8,524	7,771	69	37	205	215
NEW ENGLAND <sup>2</sup>	1,273	617	656	5	—	126	125
New Hampshire	50	9	21	—	—	—	—
Massachusetts <sup>1</sup>	1,004	495	509	4	—	126	125
Rhode Island	21	7	14	—	—	—	—
Connecticut	218	106	112	1	—	—	—
MIDDLE ATLANTIC	4,953	2,711	2,242	16	—	—	5
New York	2,281	1,156	1,145	—	—	—	1
New Jersey	1,551	770	761	16	—	—	2
Pennsylvania	1,141	805	336	—	—	—	—
EAST NORTH CENTRAL <sup>1</sup>	3,755	1,995	1,760	9	1	5	15
Ohio	2,065	1,072	993	6	1	—	9
Illinois	706	421	285	5	—	2	5
Michigan	950	488	462	—	—	—	—
Wisconsin	34	14	20	—	—	1	1
WEST NORTH CENTRAL	2,854	1,432	1,422	17	16	21	16
Minnesota	871	459	432	5	—	2	—
Iowa	450	206	244	—	—	—	1
Missouri	317	161	156	—	—	—	—
North Dakota	191	102	89	—	—	—	—
South Dakota	97	55	42	—	—	—	—
Nebraska	60	27	33	—	—	—	—
Kansas	668	442	426	14	16	19	15
SOUTH ATLANTIC <sup>1</sup>	901	470	431	1	1	1	2
Delaware	55	28	27	1	1	1	2
District of Columbia	91	59	32	—	—	—	—
Virginia	466	240	226	—	—	—	—
North Carolina	56	26	30	—	—	—	—
South Carolina	100	51	49	—	—	—	—
Florida	133	66	67	—	—	—	—
WEST SOUTH CENTRAL <sup>1</sup> <sup>a</sup>	1,475	755	720	9	7	35	41
Louisiana	170	84	86	—	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—
Texas <sup>1</sup>	1,305	671	634	9	7	35	41
MOUNTAIN <sup>1</sup>	282	148	134	5	2	10	6
Montana	41	26	15	—	—	—	—
Wyoming	51	28	23	2	2	2	1
Colorado	124	63	61	1	—	8	5
New Mexico	4	1	3	—	—	—	—
Utah	62	30	32	—	—	—	—
PACIFIC	802	396	406	9	10	7	7
Washington	250	129	121	8	10	5	7
California	552	267	285	1	—	2	—

<sup>1</sup>Incomplete reporting, see footnote to table 136.<sup>2</sup>Excluding 61 male and 69 female patients in Oklahoma (information received after completion of tabulations).

TABLE 149.—EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	SYMPTOMATIC—Continued				IDIOPATHIC		UNKNOWN	
	Due to definite brain diseases		Unknown		Male	Female	Male	Female
	Male	Female	Male	Female				
United States <sup>1</sup> <sup>2</sup>	892	727	26	27	4,305	4,212	3,051	2,553
NEW ENGLAND <sup>1</sup>	215	200	2	2	271	328	—	1
New Hampshire	4	13	—	—	5	7	—	1
Massachusetts <sup>1</sup>	174	145	—	—	191	259	—	—
Rhode Island	—	—	2	2	5	12	—	—
Connecticut	35	42	—	—	70	70	—	—
MIDDLE ATLANTIC	52	44	3	2	699	717	1,941	1,476
New York	—	—	—	—	—	4	1,156	1,140
New Jersey	52	44	3	2	699	715	—	—
Pennsylvania	—	—	—	—	—	—	805	586
EAST NORTH CENTRAL <sup>1</sup>	194	152	—	—	1,542	1,162	447	430
Ohio	79	60	—	—	964	921	5	2
Illinois	92	46	—	—	324	254	—	—
Michigan	25	25	—	—	21	11	444	428
Wisconsin	—	5	—	—	15	16	—	—
WEST NORTH CENTRAL	148	100	4	4	1,078	1,100	164	186
Minnesota	50	15	—	—	599	411	5	6
Iowa	11	10	4	4	190	228	1	1
Missouri	—	—	—	—	161	158	—	—
North Dakota	2	3	—	—	100	86	—	—
South Dakota	5	1	—	—	50	41	—	—
Nebraska	—	—	—	—	27	35	—	—
Kansas	100	71	—	—	151	145	158	179
SOUTH ATLANTIC <sup>1</sup>	59	54	11	14	152	124	266	256
Delaware	4	9	1	1	21	14	—	—
District of Columbia	10	4	—	—	49	28	—	—
Virginia	—	—	—	—	—	—	240	226
North Carolina	—	—	—	—	—	—	26	30
South Carolina	12	8	10	13	29	28	—	—
Florida	15	15	—	—	55	54	—	—
WEST SOUTH CENTRAL <sup>1</sup> <sup>2</sup>	151	125	3	4	459	452	98	91
Louisiana	—	—	—	—	—	—	84	86
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	151	125	3	4	459	452	14	5
MOUNTAIN <sup>1</sup>	16	7	—	—	66	78	50	41
Montana	—	1	—	—	8	6	18	8
Wyoming	7	2	—	—	15	17	2	1
Colorado	9	4	—	—	45	52	—	—
New Mexico	—	—	—	—	1	5	—	—
Utah	—	—	—	—	—	—	50	52
PACIFIC	79	85	3	1	255	251	65	72
Washington	7	10	3	1	41	21	65	72
California	72	75	—	—	192	210	—	—

<sup>1</sup>Incomplete reporting, see footnote to table 156.

<sup>2</sup>Excluding 61 male and 69 female patients in Oklahoma (information received after completion of tabulations).

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 150.—EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY AGE: 1939

(Median not shown where number of patients is less than 100)

AGE (IN YEARS)	Total	Male	Female	SYMPTOMATIC					
				Toxic					
				Exogenous		Endogenous			
				Male	Female	Male	Female		
All ages <sup>1</sup>	16,295	8,524	7,771	69	37	203	215		
Under 5	108	61	47	2	—	—	4		
5 - 9	664	376	288	1	1	14	19		
10 - 14	1,453	779	674	5	3	26	26		
15 - 19	2,068	1,117	951	6	3	35	18		
20 - 24	1,868	1,015	853	7	3	23	27		
25 - 29	1,665	857	828	4	3	29	29		
30 - 39	2,548	1,237	1,311	13	4	37	38		
40 - 49	1,659	878	981	10	6	21	32		
50 - 59	1,383	663	700	14	4	9	14		
60 and over	848	400	448	7	8	9	8		
Unknown	1,851	1,161	690	—	—	—	—		
Median age	28.2	27.0	29.4	—	—	25.6	27.3		
				SYMPTOMATIC—Continued		IDIOPATHIC		UNKNOWN	
				Due to definite brain diseases		Unknown		Male	Female
				Male	Female	Male	Female		
All ages <sup>1</sup>	892	727	26	27	4,305	4,212	3,031	2,553	
Under 5	24	16	—	2	12	7	23	18	
5 - 9	100	74	2	4	145	124	114	66	
10 - 14	130	95	7	7	401	367	210	176	
15 - 19	160	119	10	3	622	555	264	253	
20 - 24	95	99	3	4	565	495	322	225	
25 - 29	92	70	3	3	508	485	201	238	
30 - 39	111	113	1	2	777	813	298	341	
40 - 49	73	74	—	1	569	603	205	263	
50 - 59	62	40	—	—	435	456	143	186	
60 and over	45	27	—	1	268	302	71	102	
Unknown	—	—	—	—	1	5	1,160	685	
Median age	21.7	23.0	—	—	29.0	38.7	—	—	

<sup>1</sup>Excluding 61 male and 69 female patients in Oklahoma (information received after completion of tabulations).

MENTAL DEFECT AND EPILEPSY

TABLE 151.—MALE EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										
		Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 39	40 to 49	50 to 59	60 and over	Un-known
United States <sup>1 2</sup>	8,524	61	376	779	1,117	1,015	837	1,237	878	665	400	1,161
NEW ENGLAND <sup>1</sup>	617	15	60	98	128	80	74	82	46	22	12	—
New Hampshire	9	—	2	2	2	1	1	1	—	—	—	—
Massachusetts <sup>1</sup>	495	15	57	81	91	62	57	64	40	19	9	—
Rhode Island	7	—	—	—	4	—	1	1	1	—	—	—
Connecticut	106	—	1	15	31	17	15	16	5	3	3	—
MIDDLE ATLANTIC	2,711	8	76	170	231	335	232	350	237	127	80	805
New York	1,136	8	61	123	152	228	120	190	128	90	36	—
New Jersey	770	—	15	47	79	107	112	160	109	97	44	—
Pennsylvania	805	—	—	—	—	—	—	—	—	—	—	805
EAST NORTH CENTRAL <sup>1</sup>	1,995	20	73	173	269	258	209	327	263	233	169	1
Ohio	1,072	—	18	70	96	140	109	186	164	160	129	—
Illinois	421	2	10	34	58	53	52	77	58	50	27	—
Michigan	488	17	45	69	112	60	45	62	41	23	13	1
Wisconsin	14	1	—	—	3	5	3	2	—	—	—	—
WEST NORTH CENTRAL	1,432	5	67	164	226	155	169	259	174	119	95	1
Minnesota	439	—	15	46	75	58	61	83	45	32	24	—
Iowa	206	—	13	25	37	12	23	44	23	18	11	—
Missouri	161	1	9	39	46	24	19	15	4	3	—	1
North Dakota	102	2	11	16	18	15	13	12	10	3	2	—
South Dakota	55	—	4	9	12	4	3	11	9	1	2	—
Nebraska	27	—	1	—	5	1	6	7	5	2	—	—
Kansas	442	2	14	29	33	41	44	87	78	60	54	—
SOUTH ATLANTIC <sup>1</sup>	470	6	22	50	65	35	29	16	5	1	1	240
Delaware	28	—	1	4	10	7	1	2	1	1	1	—
Dist. of Columbia	59	1	6	14	15	8	6	6	3	—	—	—
Virginia <sup>1</sup>	240	—	—	—	—	—	—	—	—	—	—	240
North Carolina	26	—	3	3	7	5	4	3	1	—	—	—
South Carolina	51	5	6	13	16	4	7	—	—	—	—	—
Florida	66	—	6	16	17	11	11	5	—	—	—	—
WEST SOUTH CENTRAL <sup>1 2</sup>	755 <sup>1</sup>	—	53	48	101	54	53	121	114	87	40	84
Louisiana	84	—	—	—	—	—	—	—	—	—	—	84
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	671	—	53	48	101	54	53	121	114	87	40	—
MOUNTAIN <sup>1</sup>	148	1	8	19	34	23	16	10	2	4	1	30
Montana	26	—	1	1	7	7	4	5	1	—	—	—
Wyoming	28	—	1	5	5	4	2	5	1	4	1	—
Colorado	63	1	6	13	21	12	10	—	—	—	—	—
New Mexico	1	—	—	—	1	—	—	—	—	—	—	—
Utah	30	—	—	—	—	—	—	—	—	—	—	30
PACIFIC	396	6	17	57	63	75	55	72	37	10	4	—
Washington	129	4	4	25	22	24	22	19	8	1	—	—
California	267	2	13	32	41	51	33	53	29	9	4	—

<sup>1</sup>Incomplete reporting, see footnote to table 136.

<sup>2</sup>Excluding 61 patients in Oklahoma (information received after completion of tabulations).

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 152.—FEMALE EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										Un- km
		Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 39	40 to 49	50 to 59	60 and over	
United States <sup>1 2</sup>	7,771	47	288	674	951	855	828	1,511	981	700	448	
NEW ENGLAND <sup>1</sup>	656	15	41	76	95	91	75	119	88	40	18	
New Hampshire	21		5	5	2	4	1	7	1			
Massachusetts <sup>1</sup>	509	15	38	59	75	64	47	82	76	38	15	
Rhode Island	14			2	5	1	5	5				
Connecticut	112			12	15	22	22	27	11	2	5	
MIDDLE ATLANTIC	2,242	12	60	144	218	205	212	586	525	201	142	5
New York	1,145	12	45	104	145	152	132	216	171	128	64	
New Jersey	761		17	40	75	75	80	170	154	75	78	
Pennsylvania	356											5
EAST NORTH CENTRAL <sup>1</sup>	1,760	10	41	135	227	196	226	547	250	200	127	
Ohio	995	1	9	60	90	95	111	215	156	155	106	
Illinois	285		6	19	49	41	57	57	59	24	15	
Michigan	462	9	26	55	82	58	72	75	55	22	9	
Wisconsin	20			1	6	2	6	4		1		
WEST NORTH CENTRAL	1,422	4	70	145	198	174	165	259	172	160	91	
Minnesota	452	1	25	45	67	69	54	70	50	57	15	
Iowa	244	1	14	25	56	17	51	42	51	54	14	
Missouri	158		15	28	56	27	18	20	9	5	1	
North Dakota	89	1	8	20	14	11	12	15	4	5	2	
South Dakota	42		5	5	10	8	5	6	2	5		
Nebraska	55			5	2	5	5	9	4	2	5	
Kansas	426	1	7	25	55	57	58	79	72	78	58	
SOUTH ATLANTIC <sup>1</sup>	451	5	16	57	40	41	50	28	8	2		22
Delaware	27		1	5	6	5	2	6	2	2		
Dist. of Columbia	32		4	5	4	9	4	5	1			
Virginia	226											22
North Carolina	50		2	6	5	8	7	4				
South Carolina	49	5	6	10	11	7	9	5				
Florida	67		5	13	16	12	8	10	5			
WEST SOUTH CENTRAL <sup>1 2</sup>	720	1	57	82	77	75	65	95	69	64	51	8
Louisiana	86											8
Oklahoma <sup>2</sup>												
Texas <sup>1</sup>	634	1	57	82	77	75	65	95	69	64	51	
MOUNTAIN <sup>1</sup>	154		6	14	24	11	20	15	7	4	1	5
Montana	15			1	6	2	5	5				
Wyoming	25		1	1	4	5	5	5	5	1		
Colorado	61		5	12	14	5	10	7	4	5	1	
New Mexico	5					1	2					
Utah	32											5
PACIFIC	406	2	17	45	72	60	41	82	42	29	18	
Washington	121	2	5	17	25	22	17	19	8	7	1	
California	285		14	26	47	38	24	65	34	22	17	

<sup>1</sup>Incomplete reporting, see footnote to table 156.<sup>2</sup>Excluding 89 patients in Oklahoma (information received after completion of tabulations).

**First admissions.**—As was previously noted, the number of first admissions to institutions for mental defectives and epileptics was less in 1939 (9,533) than it had been the year before (10,322). The 1938 figure was smaller than that for 1937 (11,357). The decline in 1939 probably was due largely to the incompleteness of reporting in that year. In those institutions reporting in both 1938 and 1939, the number of first admissions decreased from 9,565 to 9,533. The decline in first admissions in 1938 over 1937 may have been due to the decrease in the number of hospital beds in the latter year. The total institutional first admission rate was 7.3, 0.1 higher than the sum of the separate rates for mental defect and epilepsy. This rate may be compared with the rate of first admission of 8.3 per 100,000 for all first admissions to State and private institutions.

For mental defectives in State institutions (7,666) the first admission rate per 100,000 of the estimated population was 5.9 in 1939. The rate in Delaware, 22.3, was highest. For epileptics in State institutions (1,648) the first admission rate in the country as a whole was 1.3 per 100,000 of the estimated population. By States, the rate was highest in Kansas (4.2) as it had been a year previous (5.3). A number of States had no epileptic first admissions during the year.

**Mental defect.**—The idiot-imbecile-moron classification is a flexible one, for there cannot always be a clear-cut differentiation of the mental status of an individual patient. The States varied considerably in their distributions of mental status. In the entire country about half of first admissions, 50.7 percent, were designated as morons (3,834), 31.2 percent as imbeciles (2,359), and 15.0 percent as idiots (1,137). The distribution for males and females did not vary considerably from the total distribution. A more complete breakdown of mental defectives by clinical diagnosis indicated 34.4 percent (2,599) of all first admissions diagnosed as with familial mental deficiency. The proportion in 1938 in this category was 39.2 percent (3,267 patients). Undifferentiated and unknown diagnoses constituted 39.4 percent of the total (2,976 patients). Of the other clinical diagnoses, Mongolism (431, or 5.7 percent) and posttraumatic (319, or 4.2 percent) constituted the largest single categories. Among idiots and imbeciles the percentage of Mongolism was 12.9 percent in the former instance, and 10.5 in the latter, larger than the proportion Mongolism constituted among morons, 0.8 percent. There were differences in the causes of mental defect in male and female patients. Familial causes constituted a somewhat larger proportion among females than among males, 37.9 percent (1,320 patients), as compared with 31.4 percent (1,279 patients).

The median ages of first admissions were 14.5 years for males and 16.1 years for females. For the total males and females, the median ages were lowest for idiots (male 9.7 years, female 11.4 years), higher for imbeciles (male 14.0 years, female 15.9 years), and highest for morons (male 15.8 years, female 17.1 years). Two factors are largely responsible for this: (1) A patient of higher mental status may be kept out of an institution for a longer period of time in an attempt to adjust him to his environment. (2) In an overcrowded institution patients of the lowest mental status must of necessity be given preference on admission.

**Epilepsy.**—Approximately three-fifths of all epileptic first admissions were reported as idiopathic (999 of a total of 1,624). The proportion of females in the idiopathic categories (62.5 percent) was somewhat larger than the proportion of males (60.8 percent); however, in numbers the males were more prevalent (568 males, 431 females). Of epilepsies due to idiopathic causes some cases (76) were associated with psychogenic factors, but most cases (923) were undifferentiated or unknown. Of those epilepsies due to symptomatic causes (32.6 percent of all), by far the largest number (28.1 percent of all) were due to definite brain diseases. The epilepsies due to toxemic causes totaled only 4.4 percent of all epilepsies.

For epileptics the median age on first admission among males was 18.9 years and among females 18.7 years. For all symptomatic epilepsies the median age for males was 16.8 years as compared with 16.1 years for females. Apparently patients with epilepsies of known cause seek admission at younger ages than patients with idiopathic epilepsy, for which the median age for males was 19.8 years and for females 19.3 years.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 153.—FIRST ADMISSIONS TO STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, AND RATE PER 100,000 ESTIMATED POPULATION, BY MENTAL DISORDER, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL PATIENTS				MENTAL DEFECTIVES		EPILEPTICS		Neither mental defectives nor epileptics
	Number			Rate per 100,000 estimated population <sup>1</sup>	Number	Rate per 100,000 estimated population <sup>1</sup>	Number	Rate per 100,000 estimated population <sup>1</sup>	
	Total	Male	Female						
United States <sup>2,3</sup>	9,533	5,187	4,346	7.3	7,666	5.9	1,648	1.3	219
NEW ENGLAND <sup>2</sup>	661	357	304	-----	553	-----	84	-----	24
Maine	53	37	16	6.3	53	6.3	-----	-----	-----
New Hampshire	71	41	30	14.6	67	13.7	4	0.8	-----
Vermont	51	45	6	14.5	41	11.5	-----	-----	10
Massachusetts <sup>2</sup>	345	166	179	8.0	268	6.2	63	1.5	14
Rhode Island	85	45	42	12.0	80	11.3	5	0.7	-----
Connecticut	56	25	31	5.5	44	2.6	12	0.7	-----
MIDDLE ATLANTIC	2,882	1,668	1,214	10.5	2,552	8.6	441	1.6	89
New York	2,152	1,252	880	16.0	1,808	13.6	280	2.1	46
New Jersey	341	155	188	8.2	205	4.9	96	2.5	42
Pennsylvania	409	265	146	4.1	343	3.5	65	0.7	1
EAST NORTH CENTRAL <sup>2,3</sup>	2,672	1,442	1,230	-----	2,225	-----	397	-----	52
Ohio	595	311	282	8.6	397	5.8	198	2.9	-----
Indiana <sup>2</sup>	217	95	122	6.4	217	6.4	-----	-----	-----
Illinois <sup>3</sup>	1,052	571	481	13.4	897	11.4	141	1.8	14
Michigan	463	277	186	9.0	419	8.1	44	0.9	-----
Wisconsin	347	188	159	11.2	295	9.4	16	0.5	58
WEST NORTH CENTRAL	1,154	570	584	8.6	862	6.4	260	1.9	32
Minnesota	374	135	239	13.5	278	10.0	85	2.5	31
Iowa	207	122	85	8.2	170	6.7	36	1.4	1
Missouri	193	110	83	5.1	141	3.8	52	1.4	-----
North Dakota	75	38	37	11.7	52	8.1	23	3.6	-----
South Dakota	49	22	27	7.6	41	6.3	8	1.2	-----
Nebraska	88	53	35	6.7	88	6.7	-----	-----	-----
Kansas	168	90	78	9.5	92	5.1	76	4.2	-----
SOUTH ATLANTIC <sup>2</sup>	570	322	248	-----	449	-----	106	-----	15
Delaware	66	32	34	25.0	59	22.3	7	2.6	-----
Maryland <sup>2</sup>	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dist. of Col.	67	37	30	10.5	57	8.8	10	1.5	-----
Virginia	254	165	91	9.6	188	7.1	66	2.5	-----
West Virginia <sup>2</sup>	-----	-----	-----	-----	-----	-----	-----	-----	-----
North Carolina	63	37	26	1.8	60	1.7	5	0.1	-----
South Carolina	58	30	28	3.1	34	1.8	9	0.5	15
Georgia	31	7	24	1.0	31	1.0	-----	-----	-----
Florida	31	16	15	1.7	20	1.1	11	0.6	-----
EAST SOUTH CENTRAL	214	92	122	2.0	213	-----	-----	-----	1
Kentucky	23	14	9	0.8	22	0.8	-----	-----	1
Tennessee	57	25	32	2.0	57	2.0	-----	-----	-----
Alabama	88	28	60	5.1	88	3.1	-----	-----	-----
Mississippi	46	25	21	2.1	46	2.1	-----	-----	-----
WEST SOUTH CENTRAL <sup>2</sup>	392	197	195	-----	180	-----	262	-----	-----
Louisiana	27	21	6	1.2	21	0.9	6	0.5	-----
Oklahoma	133	69	64	5.7	109	4.7	24	1.0	-----
Texas <sup>2</sup>	232	107	125	3.6	-----	-----	232	3.6	-----
MOUNTAIN <sup>2</sup>	261	141	120	-----	220	-----	38	-----	5
Montana	18	7	11	5.3	18	2.9	2	0.4	-----
Idaho <sup>2</sup>	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wyoming	43	22	21	17.6	35	15.5	8	3.5	2
Colorado	75	45	30	6.7	63	5.7	12	1.1	-----
New Mexico	11	5	6	2.1	9	1.7	1	0.2	1
Utah	114	62	52	20.9	99	18.2	15	2.8	-----
PACIFIC	727	398	329	7.6	664	6.9	60	0.6	3
Washington	135	70	65	7.9	116	6.8	19	1.1	-----
Oregon	127	61	66	11.8	127	11.8	-----	-----	-----
California	465	267	198	6.9	421	6.2	41	0.6	3

<sup>1</sup>Estimated population as of July 1, 1939.<sup>2</sup>Incomplete reporting, see footnote to table 136.<sup>3</sup>See footnote 2 to table 141, p. 262.



TABLE 154.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY MENTAL STATUS, BY SEX AND CLINICAL DIAGNOSIS: 1939

SEX AND CLINICAL DIAGNOSIS	TOTAL		IDIOT		IMBECILE		MORON		UNKNOWN	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
<b>Male</b> <sup>1</sup>	4,075	100.0	611	100.0	1,251	100.0	2,094	100.0	157	100.0
Familial	1,279	51.4	121	19.8	520	26.0	851	59.7	7	5.1
Mongolism	240	5.9	86	14.1	132	10.7	19	0.9	5	2.2
With developmental cranial anomalies	145	3.5	56	5.9	47	3.8	57	2.7	5	2.2
With congenital cerebral spastic infantile paralysis	117	2.9	66	10.8	55	2.8	15	0.7	1	0.7
Postinfectional	132	3.2	32	5.2	49	4.0	51	2.4	—	—
Posttraumatic	199	4.9	59	9.7	76	6.2	59	2.8	5	3.6
With epilepsy	92	2.3	29	4.7	32	2.6	30	1.4	1	0.7
With endocrine disorder	71	1.7	12	2.0	25	2.0	34	1.6	—	—
With familial amaurosis	2	—	2	0.3	—	—	—	—	—	—
With tuberculous sclerosis	3	0.1	1	0.2	—	—	—	—	2	1.5
With other organic nervous disease	66	1.6	15	2.5	24	1.9	25	1.2	2	1.5
Other forms	66	1.6	7	1.1	14	1.1	45	2.1	—	—
Undifferentiated	1,249	30.7	112	18.3	572	30.2	675	32.1	92	67.2
Unknown	414	10.2	35	5.4	105	8.5	255	12.2	21	15.3
<b>Female</b> <sup>2</sup>	5,484	100.0	526	100.0	1,128	100.0	1,740	100.0	90	100.0
Familial	1,320	57.9	89	16.9	552	51.2	870	50.0	9	10.0
Mongolism	191	5.5	61	11.6	115	10.2	15	0.7	2	2.2
With developmental cranial anomalies	66	1.9	59	7.4	17	1.5	10	0.6	—	—
With congenital cerebral spastic infantile paralysis	67	1.9	29	5.5	29	2.6	8	0.5	1	1.1
Postinfectional	148	4.2	34	6.5	60	5.3	54	3.1	—	—
Posttraumatic	120	3.4	42	8.0	46	4.1	31	1.8	1	1.1
With epilepsy	80	2.3	23	4.4	25	2.2	32	1.8	—	—
With endocrine disorder	68	2.0	12	2.3	35	3.1	20	1.1	1	1.1
With familial amaurosis	4	0.1	2	0.4	—	—	2	0.1	—	—
With tuberculous sclerosis	2	0.1	1	0.2	—	—	1	0.1	—	—
With other organic nervous disease	59	1.1	12	2.3	15	1.2	14	0.8	—	—
Other forms	66	1.9	6	1.1	19	1.7	40	2.3	1	1.1
Undifferentiated	1,154	32.5	157	26.0	562	32.1	578	33.2	57	63.3
Unknown	179	5.1	59	7.4	55	4.9	67	3.9	18	20.0

<sup>1</sup>Excluding 55 patients in Oklahoma (information received after completion of tabulations).

<sup>2</sup>Excluding 54 patients in Oklahoma (information received after completion of tabulations).

TABLE 155.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total	Male	Female	IDIOT		IMBECILE		MORON		UNKNOWN	
				Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1</sup>	7,557	4,075	3,484	611	526	1,251	1,128	2,094	1,740	157	90
NEW ENGLAND <sup>1</sup>	553	298	255	52	42	98	74	148	157	—	2
Maine	53	37	16	4	2	15	5	18	9	—	—
New Hampshire	67	37	30	8	4	14	11	15	15	—	—
Vermont	41	36	5	8	2	10	—	18	3	—	—
Massachusetts <sup>1</sup>	268	129	139	21	21	38	39	70	79	—	—
Rhode Island	80	42	38	5	8	12	11	25	17	—	2
Connecticut	44	17	27	6	5	9	8	2	14	—	—
MIDDLE ATLANTIC	2,352	1,365	989	113	115	357	307	686	557	7	10
New York	1,808	1,065	743	72	71	239	223	748	445	4	4
New Jersey	205	84	119	12	22	28	32	44	65	—	—
Pennsylvania	345	216	127	29	22	90	52	94	47	3	6
EAST NORTH CENTRAL <sup>1</sup>	2,223	1,180	1,043	216	185	380	353	496	472	88	55
Ohio	397	192	205	56	26	73	68	85	111	—	—
Indiana <sup>1</sup>	217	95	122	24	36	31	37	40	48	—	1
Illinois	897	486	411	62	74	201	165	205	174	—	—
Michigan	419	252	167	17	11	28	27	120	75	87	54
Wisconsin	293	155	138	57	36	47	38	50	64	1	—
WEST NORTH CENTRAL	862	402	460	111	85	111	156	171	239	9	2
Minnesota	278	78	200	11	9	18	47	48	144	1	—
Iowa	170	101	69	23	18	33	23	45	28	—	—
Missouri	141	75	66	19	25	18	16	32	23	6	2
North Dakota	52	29	23	10	2	7	12	10	9	2	—
South Dakota	41	20	21	2	6	2	6	16	9	—	—
Nebraska	88	53	35	25	9	17	15	11	11	—	—
Kansas	92	46	46	21	14	16	17	9	15	—	—
SOUTH ATLANTIC <sup>1</sup>	449	242	207	27	15	78	66	124	104	13	4
Delaware	59	30	29	3	3	9	13	11	10	7	3
Dist. of Columbia	57	28	29	1	1	5	7	22	21	—	—
Virginia	188	115	73	10	4	38	20	62	48	5	1
North Carolina	80	35	25	9	3	17	21	8	1	1	—
South Carolina	34	17	17	—	1	5	11	12	5	—	—
Georgia	31	7	24	1	—	2	7	4	17	—	—
Florida	20	10	10	3	1	2	7	5	2	—	—
EAST SOUTH CENTRAL	213	92	121	20	30	35	53	32	54	5	4
Kentucky	22	14	8	5	2	4	5	5	1	—	—
Tennessee	57	25	32	6	10	12	15	7	7	—	—
Alabama	88	28	60	6	13	13	29	9	18	—	—
Mississippi	46	25	21	3	5	6	4	11	8	5	4
WEST SOUTH CENTRAL <sup>1 2</sup>	21	19	2	5	—	10	2	3	—	1	—
Louisiana	21	19	2	5	—	10	2	3	—	1	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	220	119	101	19	15	37	44	62	41	1	1
Montana	16	6	10	1	3	1	3	4	4	—	—
Wyoming	33	16	17	1	—	4	9	11	8	—	—
Colorado	63	38	25	10	7	17	12	10	5	1	1
New Mexico	9	5	4	—	1	—	1	5	2	—	—
Utah	99	54	45	7	4	15	19	32	22	—	—
PACIFIC	664	358	306	48	45	125	95	172	156	13	12
Washington	116	62	54	13	16	23	13	21	19	5	6
Oregon	127	61	66	6	3	24	25	25	33	6	5
California	421	235	186	29	26	78	55	126	104	2	1

<sup>1</sup>Incomplete reporting, see footnote to table 136.<sup>2</sup>Excluding 55 male and 54 female patients in Oklahoma (information received after completion of tabulations)

MENTAL DEFECT AND EPILEPSY

TABLE 156.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total	Male	Female	FAMILIAL		MONGOLISM		WITH DEVELOPMENTAL CRANIAL ANOMALIES		WITH CONGENITAL CEREBRAL SPASTIC INFANTILE PARALYSIS	
				Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1</sup> *	7,557	4,075	3,484	1,279	1,520	240	191	145	66	117	67
<b>NEW ENGLAND<sup>1</sup></b>	555	298	255	100	92	21	15	18	8	9	13
Maine	55	37	18	22	9	—	—	—	1	1	1
New Hampshire	67	37	30	21	19	3	2	4	—	1	2
Vermont	41	36	5	15	2	4	—	2	1	1	—
Massachusetts <sup>1</sup>	288	129	159	51	59	12	9	6	3	4	6
Rhode Island	80	42	38	9	9	—	1	5	3	2	3
Connecticut	44	17	27	4	14	2	5	1	—	—	1
<b>MIDDLE ATLANTIC</b>	2,352	1,365	989	465	580	64	62	45	16	26	13
New York	1,808	1,065	743	528	280	57	41	40	12	15	8
New Jersey	203	84	119	52	41	6	11	2	—	5	2
Pennsylvania	345	216	127	105	59	21	10	3	4	10	3
<b>EAST NORTH CENTRAL<sup>1</sup></b>	2,225	1,180	1,045	283	519	55	45	25	15	42	18
Ohio	397	192	205	52	73	15	5	2	2	4	3
Indiana <sup>1</sup>	217	95	122	55	55	4	7	2	2	5	1
Illinois	897	486	411	75	90	19	29	16	8	30	11
Michigan	419	252	167	35	21	1	1	1	1	—	—
Wisconsin	293	155	138	86	80	14	5	4	—	5	3
<b>WEST NORTH CENTRAL</b>	862	402	460	186	269	37	25	8	15	22	8
Minnesota	278	78	200	40	135	8	2	—	1	4	5
Iowa	170	101	69	25	16	15	5	4	6	7	1
Missouri	141	75	66	63	56	4	9	—	—	3	—
North Dakota	52	29	23	13	11	2	1	3	1	2	2
South Dakota	41	20	21	6	9	—	2	—	—	—	—
Nebraska	88	53	35	16	14	3	2	1	3	6	1
Kansas	92	46	46	25	28	7	4	—	3	—	1
<b>SOUTH ATLANTIC<sup>1</sup></b>	449	242	207	70	87	25	11	29	6	4	2
Delaware	59	30	29	11	7	—	2	1	2	1	—
Dist. of Columbia	57	28	29	7	25	—	—	1	—	3	—
Virginia	188	115	73	51	25	18	2	27	2	—	—
North Carolina	60	35	25	9	6	3	3	—	1	—	1
South Carolina	54	17	17	—	—	2	—	—	1	—	—
Georgia	51	7	24	4	20	—	—	—	—	—	1
Florida	20	10	10	8	6	—	4	—	—	—	—
<b>EAST SOUTH CENTRAL</b>	213	92	121	21	50	5	4	—	—	1	2
Kentucky	22	14	8	1	2	2	—	—	—	1	—
Tennessee	57	25	32	2	2	1	—	—	—	—	—
Alabama	86	28	60	18	26	2	4	—	—	—	2
Mississippi	46	25	21	—	—	—	—	—	—	—	—
<b>WEST SOUTH CENTRAL<sup>1</sup> *</b>	21	19	2	1	—	1	—	—	—	1	—
Louisiana	21	19	2	1	—	1	—	—	—	1	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—
<b>MOUNTAIN<sup>1</sup></b>	220	119	101	60	50	8	4	2	3	2	8
Montana	18	6	10	2	3	1	1	—	—	—	—
Wyoming	33	16	17	9	7	1	—	—	1	—	3
Colorado	63	38	25	2	3	4	2	1	1	2	2
New Mexico	9	5	4	4	2	—	—	—	1	—	1
Utah	99	54	45	43	35	2	1	1	—	—	2
<b>PACIFIC</b>	664	358	306	93	93	28	25	16	5	10	3
Washington	116	62	54	14	10	7	5	1	2	2	2
Oregon	127	61	66	14	13	6	10	3	—	—	—
California	421	235	186	65	70	15	10	12	3	8	1

<sup>1</sup> Incomplete reporting, see footnote to table 156.

\* Excluding 55 male and 54 female patients in Oklahoma (information received after completion of tabulations).

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 156.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	POST-INFECTIOUS		POST-TRAUMATIC		WITH EPILEPSY		WITH ENDOCRINE DISORDER		WITH FAMILIAL AMAUROSIS	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1 2</sup> .....	152	148	199	120	92	80	71	68	2	4
NEW ENGLAND <sup>1</sup> .....	9	7	12	9	8	3	7	6	—	1
Maine.....	—	—	1	—	3	2	1	1	—	—
New Hampshire.....	2	1	2	1	—	—	—	—	—	—
Vermont.....	2	—	7	—	5	1	—	—	—	1
Massachusetts <sup>1</sup> .....	3	2	2	6	—	—	3	3	—	—
Rhode Island.....	1	2	—	—	—	—	2	2	—	—
Connecticut.....	1	2	—	2	—	—	1	—	—	—
MIDDLE ATLANTIC.....	56	49	69	44	10	8	22	21	—	—
New York.....	53	40	44	31	10	8	11	12	—	—
New Jersey.....	2	7	12	9	—	—	8	7	—	—
Pennsylvania.....	1	2	13	4	—	—	3	2	—	—
EAST NORTH CENTRAL <sup>1</sup> .....	44	54	46	25	52	53	14	15	1	—
Ohio.....	13	10	10	7	—	—	3	1	1	—
Indiana <sup>1</sup> .....	8	7	5	5	—	1	7	1	—	—
Illinois.....	15	16	20	9	28	23	2	8	—	—
Michigan.....	8	1	7	1	2	—	2	3	—	—
Wisconsin.....	—	—	4	1	22	29	—	2	—	—
WEST NORTH CENTRAL.....	14	10	11	14	8	4	12	5	1	3
Minnesota.....	2	5	1	5	2	—	1	1	—	—
Iowa.....	6	1	2	3	2	1	5	3	—	—
Missouri.....	—	—	—	—	—	—	2	—	—	—
North Dakota.....	3	—	—	—	—	—	4	—	—	2
South Dakota.....	—	3	1	1	—	—	—	—	—	—
Nebraska.....	—	—	—	—	3	3	—	—	—	—
Kansas.....	3	1	7	5	1	—	—	1	1	1
SOUTH ATLANTIC <sup>1</sup> .....	8	15	12	6	—	—	7	11	—	—
Delaware.....	3	5	6	2	—	—	—	4	—	—
District of Columbia.....	2	1	—	—	—	—	1	2	—	—
Virginia.....	2	7	1	—	—	—	1	2	—	—
North Carolina.....	—	—	1	1	—	—	3	2	—	—
South Carolina.....	1	—	3	2	—	—	—	1	—	—
Georgia.....	—	—	—	1	—	—	1	—	—	—
Florida.....	—	—	1	—	—	—	1	—	—	—
EAST SOUTH CENTRAL.....	—	1	2	1	—	2	2	—	—	—
Kentucky.....	—	1	2	1	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	1	—	—	—
Alabama.....	—	—	—	—	—	2	1	—	—	—
Mississippi.....	—	—	—	—	—	—	1	—	—	—
WEST SOUTH CENTRAL <sup>1 2</sup> .....	2	—	1	1	2	—	—	—	—	—
Louisiana.....	2	—	1	1	2	—	—	—	—	—
Oklahoma <sup>2</sup> .....	—	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup> .....	4	6	7	3	2	—	2	6	—	—
Montana.....	—	—	—	—	—	—	—	1	—	—
Wyoming.....	1	4	2	1	—	—	—	—	—	—
Colorado.....	1	—	1	—	2	—	1	3	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—
Utah.....	2	2	4	2	—	—	1	2	—	—
PACIFIC.....	15	28	39	19	10	10	5	4	—	—
Washington.....	3	10	9	3	4	1	1	—	—	—
Oregon.....	1	4	5	5	—	3	—	—	—	—
California.....	11	14	25	11	6	6	4	4	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 156.<sup>2</sup> Excluding 55 male and 54 female patients in Oklahoma (information received after completion of tabulations).

TABLE 156.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	WITH TUBEROUS SCLEROSIS		WITH OTHER ORGANIC NERVOUS DISEASE		OTHER FORMS		UNDIFFERENTIATED		UNKNOWN	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1 2</sup>	3	2	66	59	66	66	1,249	1,154	414	179
<b>NEW ENGLAND<sup>1</sup></b>			5	4	9	7	84	65	18	5
Maine						1		1	9	
New Hampshire							4	5		
Vermont					2					
Massachusetts <sup>1</sup>			3	2	5	5	62	66		
Rhode Island				2	5	2	18	13	2	1
Connecticut					1	1			7	4
<b>MIDDLE ATLANTIC</b>	1		51	17	12	6	567	555	215	58
New York	1		20	15	7	5	359	291	160	2
New Jersey			2	1	2	1	5	40	10	
Pennsylvania			9	5	5		5	4	45	56
<b>EAST NORTH CENTRAL<sup>1</sup></b>		1	18	11	15	26	567	470	22	15
Ohio		1	8	4		1	84	100		
Indiana <sup>1</sup>				2	1	1	30	40		
Illinois			8	1	10	17	257	197	6	2
Michigan				2		4	196	155		
Wisconsin			2	2	2	5			16	13
<b>WEST NORTH CENTRAL</b>		1	1	1	15	5	50	81	39	19
Minnesota			1		1	1	18	47		
Iowa		1			5	4	28	28	6	2
Missouri									5	1
North Dakota							2	6		
South Dakota				1	1		2	1	10	3
Nebraska					4				20	12
Kansas					2			1		1
<b>SOUTH ATLANTIC<sup>1</sup></b>	2		4	5	5	10	60	45	18	13
Delaware							1	1	7	6
District of Columbia				1			12	1	2	1
Virginia	2				5	9	27	26	1	
North Carolina			4	2		1	11	7	4	1
South Carolina							7	8	4	5
Georgia							2	2		
Florida										
<b>EAST SOUTH CENTRAL</b>						2	21	47	40	52
Kentucky									8	4
Tennessee							21	30		
Alabama						2		17	7	7
Mississippi									25	21
<b>WEST SOUTH CENTRAL<sup>1 2</sup></b>			2						9	1
Louisiana			2						9	1
Oklahoma <sup>2</sup>										
<b>MOUNTAIN<sup>1</sup></b>			4	1	6	5	20	14	2	3
Montana						1	1	1	2	3
Wyoming							5	1		
Colorado			2		6	2	16	12		
New Mexico			1							
Utah			1	1						
<b>PACIFIC</b>			5	2	8	7	80	57	51	55
Washington			2		1		2	1	16	20
Oregon							1		51	51
California			1	2	7	7	77	56	4	2

<sup>1</sup> Incomplete reporting, see footnote to table 156.

<sup>2</sup> Excluding 55 male and 54 female patients in Oklahoma (information received after completion of tabulations)

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 157.—FIRST ADMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY AGE: 1939

AGE (IN YEARS)	Total	Male	Female	IDIOT		IMBECILE		MORON		UNKNOWN	
				Male	Female	Male	Female	Male	Female	Male	Female
All ages <sup>1</sup>	7,557	4,075	3,484	611	526	1,251	1,128	2,004	1,740	157	90
Under 5	466	282	184	114	76	105	64	59	27	26	17
5 - 9	1,158	694	444	202	149	258	155	215	154	21	6
10 - 14	2,061	1,177	884	155	158	518	298	696	454	26	14
15 - 19	2,065	1,050	1,015	84	77	278	270	647	640	41	28
20 - 24	681	328	353	27	22	111	105	179	217	11	11
25 - 29	574	282	212	18	23	42	79	97	105	7	5
30 - 39	429	191	238	25	20	48	76	117	136	5	6
40 - 49	204	101	103	6	15	55	53	62	51	—	5
50 - 59	104	65	41	5	4	25	25	37	11	—	1
60 and over	52	22	10	1	1	15	5	6	4	—	—
Unknown	5	5	2	—	—	2	—	1	1	—	1
Median age	15.3	14.5	16.1	9.7	11.4	14.0	15.9	15.8	17.1	—	—

<sup>1</sup>Excluding 55 male and 54 female patients in Oklahoma (information received after completion of tabulations).

TABLE 158.—FIRST ADMISSIONS OF EPILEPTICS TO STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	SYMPTOMATIC—Continued				IDIOPATHIC		UNKNOWN	
	Due to definite brain diseases		Unknown		Male	Female	Male	Female
	Male	Female	Male	Female				
United States <sup>1 2</sup> .....	270	196	1	2	568	431	56	39
NEW ENGLAND <sup>1</sup> .....	28	16	—	—	14	17	—	—
New Hampshire.....	1	—	—	—	3	—	—	—
Massachusetts <sup>1</sup> .....	20	14	—	—	9	11	—	—
Rhode Island.....	—	—	—	—	1	4	—	—
Connecticut.....	7	2	—	—	1	2	—	—
MIDDLE ATLANTIC.....	62	61	—	—	161	95	2	—
New York.....	53	36	—	—	93	63	2	—
New Jersey.....	6	15	—	—	46	23	—	—
Pennsylvania.....	23	10	—	—	22	9	—	—
EAST NORTH CENTRAL <sup>1</sup> .....	43	26	—	—	167	127	17	10
Ohio.....	16	9	—	—	103	67	—	—
Illinois.....	18	8	—	—	52	55	2	—
Michigan.....	9	9	—	—	1	—	15	10
Wisconsin.....	—	—	—	—	11	5	—	—
WEST NORTH CENTRAL.....	57	19	—	—	90	75	19	16
Minnesota.....	13	3	—	—	23	25	—	—
Iowa.....	8	1	—	—	13	14	—	—
Missouri.....	—	—	—	—	35	17	—	—
North Dakota.....	3	2	—	—	6	12	—	—
South Dakota.....	—	3	—	—	1	3	1	—
Kansas.....	13	10	—	—	12	4	18	16
SOUTH ATLANTIC <sup>1</sup> .....	21	9	1	2	46	18	5	4
Delaware.....	2	3	—	—	—	2	—	—
District of Columbia.....	2	—	—	—	7	1	—	—
Virginia.....	12	3	—	—	31	11	5	4
North Carolina.....	1	1	—	—	1	—	—	—
South Carolina.....	3	—	1	2	2	1	—	—
Florida.....	1	2	—	—	5	3	—	—
WEST SOUTH CENTRAL <sup>1 2</sup> .....	35	44	—	—	61	81	7	4
Louisiana.....	1	—	—	—	1	3	—	1
Oklahoma <sup>2</sup> .....	—	—	—	—	—	—	—	—
Texas <sup>1</sup> .....	34	44	—	—	60	78	7	3
MOUNTAIN <sup>1</sup> .....	7	5	—	—	12	10	3	—
Montana.....	—	1	—	—	—	—	1	—
Wyoming.....	1	1	—	—	3	—	2	—
Colorado.....	2	—	—	—	5	5	—	—
New Mexico.....	—	—	—	—	—	1	—	—
Utah.....	4	3	—	—	4	4	—	—
PACIFIC.....	17	6	—	—	17	8	3	5
Washington.....	2	1	—	—	2	2	3	5
California.....	15	5	—	—	15	6	—	—

<sup>1</sup>Incomplete reporting, see footnote to table 156.<sup>2</sup>Excluding 14 male and 10 female patients in Oklahoma (information received after completion of tabulations)

TABLE 159.—FIRST ADMISSIONS OF EPILEPTICS TO STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY AGE: 1939

(Median not shown where number of admissions is less than 100)

AGE (IN YEARS)	Total	Male	Female	SYMPTOMATIC			
				Toxic			
				Exogenous		Endogenous	
				Male	Female	Male	Female
All ages <sup>1</sup>	1,624	934	690	20	4	19	28
Under 5	62	35	27	1	1	—	4
5 - 9	205	117	88	—	—	5	4
10 - 14	303	170	133	—	—	5	6
15 - 19	310	180	130	1	1	4	4
20 - 24	200	119	81	2	1	3	1
25 - 29	132	76	56	—	—	1	2
30 - 39	193	102	91	3	—	—	2
40 - 49	108	66	42	9	1	1	3
50 - 59	66	40	26	4	—	—	1
60 and over	39	23	16	—	—	—	1
Unknown	6	6	—	—	—	—	—
Median age	18.9	18.9	18.7	—	—	—	—

AGE (IN YEARS)	SYMPTOMATIC—Continued				IDIOPATHIC		UNKNOWN	
	Due to definite brain diseases		Unknown		Male	Female	Male	Female
	Male	Female	Male	Female				
	Male	Female	Male	Female	Male	Female	Male	Female
All ages <sup>1</sup>	270	186	1	2	568	431	56	39
Under 5	22	17	—	—	12	5	—	—
5 - 9	45	35	—	1	60	45	7	3
10 - 14	59	34	—	—	98	88	8	5
15 - 19	44	30	1	—	116	90	14	5
20 - 24	27	19	—	1	86	51	1	8
25 - 29	17	16	—	—	53	35	5	3
30 - 39	27	19	—	—	63	64	9	6
40 - 49	11	8	—	—	43	25	2	5
50 - 59	8	7	—	—	25	16	3	2
60 and over	9	1	—	—	9	12	5	2
Unknown	1	—	—	—	3	—	2	—
Median age	16.0	16.2	—	—	19.8	19.3	—	—

<sup>1</sup>Excluding 14 male and 10 female patients in Oklahoma (information received after completion of tabulations).

**Resident patients and first admissions.**—In chart 9 the percentage age distribution of resident patients and first admissions is presented for mental defectives and for epileptics.

The modal age range for both mental defective resident patients and first admissions was 10 to 19 years, but the proportion of resident patients in this age range was 31.0 percent as compared with 54.6 percent among first admissions. The decline in first admissions was precipitate after 20 years of age, whereas the percentage age distribution of resident patients declined more gradually.

The modal age range of epileptic first admissions was 10 to 19 years, with 37.7 percent of all first admissions occurring in this age interval. For resident epileptics, the age intervals 10 to 19 years and 20 to 29 years were equally large, with 21.6 percent and 21.7 percent of all patients in these age ranges, respectively. The decline in numbers of first admissions after 30 years of age was more abrupt among first admissions than among resident patients.

First admissions of mental defectives (75.8 percent under 20 years) occurred, in the main, at younger ages than first admissions of epileptics (54.2 percent under 20 years). Similarly there were larger proportions of older epileptic patients in residence (40.6 percent 30 years and over) than there were of mental defective patients in residence (27.9 percent 30 years and over).



TABLE 160.—MENTAL DEFECTIVE AND EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR, AND FIRST ADMISSIONS TO STATE INSTITUTIONS, BY MENTAL DISORDER, BY AGE: 1939

AGE (IN YEARS)	RESIDENT PATIENTS				FIRST ADMISSIONS			
	Mental defective		Epileptic		Mental defective		Epileptic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All ages <sup>1</sup> -----	79,868	100.0	16,295	100.0	7,557	100.0	1,624	100.0
Under 10-----	4,905	6.1	772	4.7	1,604	21.2	287	18.4
10 - 19-----	24,795	31.0	5,521	21.6	4,124	54.6	615	37.7
20 - 29-----	20,421	26.6	5,535	21.7	1,065	14.0	532	20.4
30 - 39-----	10,911	15.7	2,548	15.6	429	5.7	195	11.9
40 - 49-----	6,581	8.2	1,859	11.4	204	2.7	108	6.7
50 - 59-----	5,301	4.1	1,565	8.4	104	1.4	66	4.1
60 and over-----	1,492	1.9	848	5.2	32	0.4	39	2.4
Unknown-----	7,464	9.5	1,851	11.4	5	0.1	6	0.4

<sup>1</sup>Exclusive of the following data from an institution in Oklahoma: 920 mental defective and 170 epileptic resident patients, and 109 mental defective and 24 epileptic first admissions (information received after completion of tabulations).

**Readmissions.**—Readmissions to institutions for mental defectives and epileptics include all patients who have previously received treatment at an institution of this type, whether under State, city, or private control, and have been discharged from that institution since their previous admission.

In the case of epileptics, readmission usually results from a relapse from the improved condition attained on discharge. In the case of mental defectives, readmission does not necessarily imply regression, but rather the inability of the patient to adjust to conditions in his community.

The most satisfactory methods of expressing readmission rates, from the point of view of measuring recurrence of mental deviations, are either the proportion readmissions constitute of first admissions or the proportion they constitute of discharges. In 1939 the proportion that readmissions constituted of first admissions was 8.0 percent, substantially the same as it had been a year previous (8.2 percent). Since 1928 the proportion fluctuated between 7.3 and 11.5 percent.

Readmissions constituted 16.8 percent of discharges in 1939. From 1929, when the rate was 29.6 percent, to 1934 there was a gradual decrease. The rate, since 1937, has again begun to rise. The decreased rate in recent years from that in 1929, and in several years previous, may indicate that institutions have developed better methods of training individuals to be economically sufficient and socially adjusted, and thus have obviated the necessity for readmission. It may be equally true, in some places, however, that overcrowded institutional facilities make it impossible to accommodate all patients seeking readmission, and necessitate preferential consideration of those who have never been institutionalized.

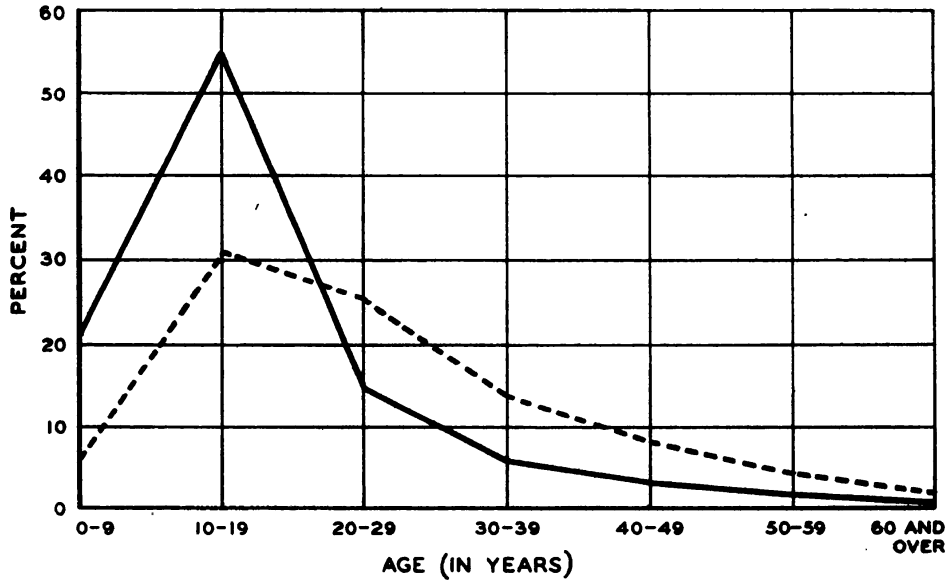
Idiots constitute a slightly lower proportion among readmissions (11.3 percent) than among first admissions (15.0 percent). Idiots and some of the lower-grade imbeciles are less likely to be discharged and hence less likely to have to be readmitted.

While idiopathic epileptics constituted 61.5 percent of all epileptic first admissions, they constituted 72.6 percent of all readmitted epileptics. Most of the readmitted patients with symptomatic epilepsy have been diagnosed as with a definite brain disease (37 of 44 readmissions).

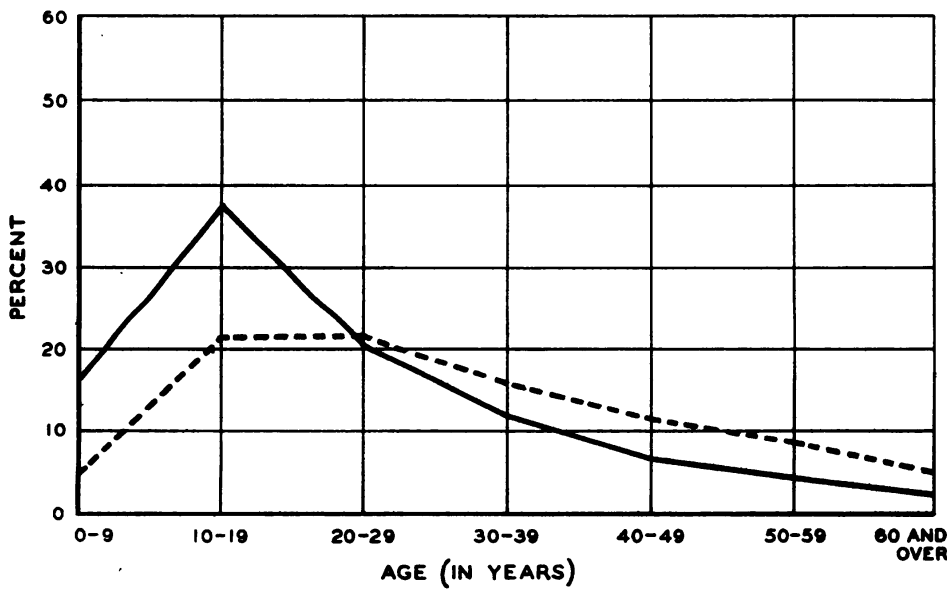
### CHART 9.—AGE DISTRIBUTION OF RESIDENT PATIENTS AND FIRST ADMISSIONS STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS 1939

RESIDENT PATIENTS---  
FIRST ADMISSIONS —

#### MENTAL DEFECTIVES



#### EPILEPTICS



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## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 161.—READMISSIONS TO STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, AND RATE PER 100 FIRST ADMISSIONS AND PER 100 DISCHARGES: 1926-1939

YEAR	Read-missions	Number per 100 first admissions	Number per 100 dis-charges	YEAR	Read-missions	Number per 100 first admissions	Number per 100 dis-charges
1929 <sup>1</sup>	764	8.0	16.8	1932	846	7.9	18.8
1930	844	8.2	16.0	1931	806	7.5	19.3
1937	853	7.3	14.5	1930	820	8.1	22.3
1936	770	7.8	16.1	1929	1,151	11.5	29.6
1935	765	7.4	15.6	1928	782	8.3	22.7
1934	824	7.8	14.5	1927	865	10.5	20.8
1933	918	8.5	19.7	1926	766	9.4	25.2

<sup>1</sup>Excluding 3 male patients in Oklahoma (information received after completion of tabulations).

TABLE 162.—READMISSIONS OF MENTAL DEFECTIVES TO STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY CLINICAL DIAGNOSIS: 1939

CLINICAL DIAGNOSIS	ALL READMISSIONS			IDIOT		IMBECILE		MORON		UNKNOWN	
	Total	Male	Fe-male	Male	Fe-male	Male	Fe-male	Male	Fe-male	Male	Fe-male
Total <sup>1</sup>	567	354	213	36	28	117	66	182	112	19	7
Familial	140	81	59	3	4	26	15	52	40	—	—
Mongolism	12	8	4	5	1	3	3	—	—	—	—
With developmental cranial anomalies	8	7	1	5	1	—	—	4	—	—	—
With congenital cerebral spastic											
infantile paralysis	10	6	4	2	2	1	1	3	1	—	—
Postinfectious	26	15	11	2	1	5	6	8	4	—	—
Posttraumatic	24	20	4	2	2	10	1	8	1	—	—
With epilepsy	12	3	9	1	3	—	4	2	2	—	—
With endocrine disorder	13	8	5	1	1	3	2	4	2	—	—
With familial amaurosis	—	—	—	—	—	—	—	—	—	—	—
With tuberous sclerosis	—	—	—	—	—	—	—	—	—	—	—
With other organic nervous disease	12	8	4	2	—	2	4	4	—	—	—
Other forms	19	13	6	—	1	5	—	8	5	—	—
Undifferentiated	248	148	100	14	9	50	28	80	57	4	6
Unknown	43	37	6	1	3	12	2	9	—	15	1

<sup>1</sup>Excluding 3 male patients in Oklahoma (information received after completion of tabulations).

TABLE 163.—READMISSIONS OF EPILEPTICS TO STATE INSTITUTIONS, BY SEX, BY CLINICAL DIAGNOSIS: 1939

CLINICAL DIAGNOSIS	READMISSIONS			CLINICAL DIAGNOSIS	READMISSIONS		
	Total	Male	Female		Total	Male	Female
Total	190	125	65	Symptomatic—Continued			
Symptomatic	44	30	14	Due to definite brain diseases	37	28	9
Toxic, exogenous	2	1	1	Cardiovascular	2	1	1
Alcoholic	1	1	—	Syphilitic	3	1	2
Lead	—	—	—	Meningo-encephalitic	4	4	—
Unknown	1	—	1	Neoplastic	—	—	—
Toxic, endogenous	5	1	4	Traumatic	12	9	3
Renal	—	—	—	Ageneses	11	9	2
Pregnancy and puer-peral disorders	—	—	—	Other and unknown	5	4	1
Endocrinopathic disorders	—	—	—	Unknown	—	—	—
Metabolic disorders	2	—	2	Idiopathic	158	90	48
Unknown	1	1	—	With psychogenic factors	15	9	6
	2	—	—	Other, undifferentiated, and unknown	125	81	42
	1	—	—	Unknown	8	5	3
	2	—	—				

**Discharges.—Mental defect.**—Discharges have been grouped into the two age groups "Over 15 years of age," and "Under 15 years of age," with special provision for those discharges that are of unknown age. Those over 15 years of age were grouped, by condition on discharge, as follows: capable of self-support, capable of partial self-support, incapable of productive work, and unknown. These four conditions were defined as follows:

1. If the patient is able to retain a position and earn a living during the parole period, enter as capable of self-support.
2. If the patient is able to earn wages to cover part of the cost of his maintenance during the parole period, enter as capable of partial self-support.
3. If the patient is entirely dependent on friends and relatives, enter as incapable of productive work.
4. If the patient's condition on discharge is not known, enter as unknown.

Patients under 15 years of age comprised 9.8 percent of all mental defectives discharged. The variation for those areas in which the number of discharges exceeded 100, ranged from 6.2 percent under 15 years in the West North Central States to 14.6 percent in the Mountain States.

Of idiots discharged from the institution, 55.1 percent were over 15 years of age and practically all were incapable of productive work; 44.1 percent were under 15 years of age; and 0.8 percent were of unknown age.

Imbeciles over 15 years of age comprised 80.8 percent of those discharged and more than half were incapable of any productive work. One-fifth (19.2 percent) were under 15 years of age.

Morons, who constituted 75.2 percent of all discharged mental defectives, were over 15 years of age in 94.0 percent of the cases. Three-fourths of those over 15 years of age were capable of partial or complete self-support. Those incapable of self-support comprised 9.7 percent. Six percent of discharged morons were under 15 years of age.

Rates of discharge and readmission have not been presented by State. In neither instance are the figures large enough for the computation of reliable rates for every State.

There is considerable interstate variation in length of period of parole. After a given length of time a patient may be designated as a return from parole in one State, while in another State, after a like period of time he may be considered a readmission.

Discharge rates have been computed only for the country as a whole. For each 100 first admissions of mental defectives during 1939, the rate of discharge was 46.6. The proportion of idiots discharged in relation to first admissions of the same mental status was 10.4 per 100. Of imbeciles, the ratio was 27.6 discharges per 100 first admissions of the same mental status, and among morons, 69.1 per 100 first admissions.

**Epilepsy.**—Epileptics have been designated as recovered, improved, and unimproved. These conditions were defined as follows:

Recovered indicates the condition of a patient who has regained his normal mental health so that he may be considered as having practically the same mental status as he had previous to the onset of his epilepsy.

Improved denotes any degree of gain less than recovery.

Unimproved, as the term implies, denotes no gain.

Only 2.8 percent of total epileptic patients discharged were designated as recovered, 41.6 percent as improved, and 52.8 percent as unimproved. Patients discharged as recovered constituted 3.6 percent of the total for symptomatic epilepsy, and only 2.7 percent for idiopathic epilepsy, whereas for improved condition discharged, the proportions were 37.9 percent for symptomatic epilepsy and 42.9 percent for idiopathic epilepsy. Very few of the States reported discharges of epileptics with condition entirely recovered.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 164.—DISCHARGES OF MENTAL DEFECTIVES FROM STATE INSTITUTIONS, BY CONDITION ON DISCHARGE AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DISCHARGES			OVER 15 YEARS OF AGE					
	Total	Male	Female	Total		Capable of self-support		Capable of partial self-support	
				Male	Female	Male	Female	Male	Female
United States <sup>1 2</sup>	5,584	1,922	1,602	1,667	1,488	508	502	679	588
NEW ENGLAND <sup>1</sup>	581	178	153	155	146	45	44	70	45
Maine	9	6	3	5	3	1	3	1	—
New Hampshire	45	21	22	20	22	16	12	3	2
Vermont	9	6	3	5	3	—	1	4	2
Massachusetts <sup>1</sup>	200	108	92	95	87	11	14	54	36
Rhode Island	55	30	25	25	25	16	14	6	1
Connecticut	15	7	8	7	8	1	—	2	4
MIDDLE ATLANTIC	1,288	708	575	609	528	208	224	282	190
New York	1,018	578	440	487	398	158	152	247	169
New Jersey	137	59	78	55	75	27	49	10	10
Pennsylvania	128	71	57	69	55	23	23	25	11
EAST NORTH CENTRAL <sup>1</sup>	707	428	281	390	265	91	54	111	76
Ohio	169	118	51	118	51	67	24	35	20
Indiana <sup>1</sup>	14	7	7	5	7	—	—	—	—
Illinois	174	105	71	79	59	6	3	49	30
Michigan	340	193	147	184	143	17	25	25	23
Wisconsin	10	5	5	4	5	1	2	2	3
WEST NORTH CENTRAL	450	209	241	167	209	62	122	56	58
Minnesota	205	70	135	66	151	39	107	25	22
Iowa	94	56	38	55	33	16	8	24	17
Missouri	51	28	23	23	23	—	1	5	2
North Dakota	18	5	13	5	11	1	6	1	4
South Dakota	34	21	13	16	11	4	—	5	8
Nebraska	48	29	19	2	—	2	—	—	—
Kansas	—	—	—	—	—	—	—	—	—
SOUTH ATLANTIC <sup>1</sup>	214	89	125	71	115	17	19	37	77
Delaware	40	22	18	20	14	5	1	12	10
Maryland <sup>1</sup>	—	—	—	—	—	—	—	—	—
Dist. of Columbia	18	12	6	10	6	4	1	4	5
Virginia	61	16	45	14	45	—	—	15	43
West Virginia <sup>1</sup>	—	—	—	—	—	—	—	—	—
North Carolina	—	—	—	—	—	—	—	—	—
South Carolina	20	4	16	3	15	1	4	1	10
Georgia	44	17	27	16	22	7	15	2	2
Florida	31	18	13	8	11	—	—	5	7
EAST SOUTH CENTRAL	72	51	21	42	15	11	—	20	6
Kentucky	20	16	4	15	4	6	—	6	3
Tennessee	22	13	9	7	6	—	—	—	—
Alabama	17	13	4	11	4	—	—	10	3
Mississippi	13	9	4	9	1	5	—	4	—
WEST SOUTH CENTRAL <sup>1 2</sup>	4	4	—	4	—	—	—	2	—
Louisiana	4	4	—	4	—	—	—	2	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	158	98	60	86	46	20	7	47	32
Montana	57	32	25	22	17	—	—	22	16
Idaho <sup>1</sup>	—	—	—	—	—	—	—	—	—
Wyoming	25	15	8	14	6	4	1	8	4
Colorado	14	7	7	6	5	1	1	2	2
New Mexico	6	3	3	3	3	—	1	3	2
Utah	58	41	17	41	17	15	4	12	8
PACIFIC	305	159	146	145	134	54	32	54	54
Washington	8	2	6	2	5	—	—	—	—
Oregon	57	21	36	14	30	—	—	14	25
California	240	136	104	129	99	54	32	40	29

<sup>1</sup> Incomplete reporting. See footnote to table 156.<sup>2</sup> Excluding 18 male and 25 female patients in Oklahoma (information received after completion of tabulations).

MENTAL DEFECT AND EPILEPSY

TABLE 164.—DISCHARGES OF MENTAL DEFECTIVES FROM STATE INSTITUTIONS, BY CONDITION ON DISCHARGE AND SEX, BY DIVISIONS AND STATES: 1959—Continued

DIVISION AND STATE	OVER 15 YEARS OF AGE—Con.				UNDER 15 YEARS OF AGE		UNKNOWN AGE	
	Incapable of productive work		Unknown		Male	Female	Male	Female
	Male	Female	Male	Female				
United States <sup>1 2</sup>	511	502	169	119	222	125	55	21
NEW ENGLAND <sup>1</sup>	58	55	—	4	25	7	—	—
Maine	1	—	—	—	3	—	—	—
New Hampshire	1	8	—	—	1	—	—	—
Vermont	1	—	—	—	1	—	—	—
Massachusetts <sup>1</sup>	28	37	—	—	15	5	—	—
Rhode Island	3	4	—	4	5	2	—	—
Connecticut	4	4	—	—	—	—	—	—
MIDDLE ATLANTIC	119	109	—	3	99	49	—	—
New York	82	77	—	—	91	42	—	—
New Jersey	15	12	—	2	6	5	—	—
Pennsylvania	21	20	—	1	2	2	—	—
EAST NORTH CENTRAL <sup>1</sup>	54	45	154	90	53	16	5	—
Ohio	14	5	2	2	—	—	—	—
Indiana <sup>1</sup>	3	4	2	3	2	—	—	—
Illinois	24	17	—	9	22	12	2	—
Michigan	15	19	129	76	9	4	—	—
Wisconsin	—	—	1	—	—	—	1	—
WEST NORTH CENTRAL	45	34	4	—	15	15	27	19
Minnesota	2	2	2	—	4	4	—	—
Iowa	15	8	2	—	1	5	—	—
Missouri	19	20	—	—	5	—	—	—
North Dakota	5	1	—	—	—	2	—	—
South Dakota	9	5	—	—	5	2	—	—
Nebraska	—	—	—	—	—	—	27	19
Kansas	—	—	—	—	—	—	—	—
SOUTH ATLANTIC <sup>1</sup>	14	14	3	3	18	12	—	—
Delaware	1	1	2	2	2	4	—	—
Maryland <sup>1</sup>	—	—	—	—	—	—	—	—
District of Columbia	2	—	—	—	2	—	—	—
Virginia	—	1	1	1	2	—	—	—
West Virginia <sup>1</sup>	—	—	—	—	—	—	—	—
North Carolina	—	—	—	—	—	—	—	—
South Carolina	1	1	—	—	1	1	—	—
Georgia	7	7	—	—	1	5	—	—
Florida	3	4	—	—	10	2	—	—
EAST SOUTH CENTRAL	1	2	10	7	8	4	1	2
Kentucky	—	1	3	—	1	—	—	—
Tennessee	—	—	7	6	6	3	—	—
Alabama	1	1	—	—	1	—	1	—
Mississippi	—	—	—	1	—	1	—	2
WEST SOUTH CENTRAL <sup>1 2</sup>	2	—	—	—	—	—	—	—
Louisiana	2	—	—	—	—	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	11	7	8	2	11	12	1	—
Montana	—	1	—	—	10	8	—	—
Idaho <sup>1</sup>	—	—	—	—	—	—	—	—
Wyoming	1	1	1	—	1	2	—	—
Colorado	3	2	—	—	—	2	1	—
New Mexico	—	—	—	—	—	—	—	—
Utah	7	3	7	2	—	—	—	—
PACIFIC	27	38	10	10	15	12	1	—
Washington	—	—	2	3	—	1	—	—
Oregon	—	5	—	—	6	6	1	—
California	27	33	8	5	7	5	—	—

<sup>1</sup> Incomplete reporting. See footnote to table 156.

<sup>2</sup> Excluding 18 male and 25 female patients in Oklahoma (information received after completion of tabulations).

There were three times as many discharges of patients with idiopathic (597) as with symptomatic (195) epilepsy. When rates of discharge per 100 first admissions of the same diagnosis were computed, the ratio for idiopathic epilepsy was 59.8 discharges per 100 first admissions, and for symptomatic epilepsy 36.8 discharges per 100. Apparently when a patient's epilepsy is symptomatic in origin the chances of discharge are 60 percent of what they would be if the condition were not due to a structural defect, toxic condition, or definite brain disease.

TABLE 165.—DISCHARGES OF MENTAL DEFECTIVES FROM STATE INSTITUTIONS, BY MENTAL STATUS, BY SEX AND CONDITION ON DISCHARGE: 1939

(Percent or rate not shown where base is less than 100)

SEX AND CONDITION ON DISCHARGE	NUMBER					PERCENT			NUMBER PER 100 FIRST ADMISSIONS OF SAME MENTAL STATUS <sup>1</sup>				
	Total	Idiot	Imbecile	Moron	Unknown	Total	Idiot	Imbecile	Moron	Total	Idiot	Imbecile	Moron
Total <sup>2</sup> -----	3,524	118	652	2,649	105	100.0	100.0	100.0	100.0	46.6	10.4	27.6	69.1
Over 15 years of age-----	3,123	65	527	2,490	41	88.6	55.1	80.8	94.0	41.3	5.7	22.3	64.9
Capable of self-support-----	1,010	1	25	977	7	28.7	0.8	3.8	36.9	13.4	0.1	1.1	25.5
Capable of partial self-support-----	1,212	1	186	1,018	7	34.4	0.8	28.5	38.4	16.0	0.1	7.9	26.6
Incapable of productive work-----	613	57	290	258	8	17.4	48.3	44.5	9.7	8.1	5.0	12.3	6.7
Unknown-----	288	6	26	257	19	8.2	5.1	4.0	8.9	3.8	0.5	1.1	6.2
Under 15 years of age-----	347	52	125	158	12	9.8	44.1	19.2	6.0	4.6	4.6	5.3	4.1
Unknown age-----	54	1	---	1	52	1.5	0.8	---	---	0.7	0.1	---	0.0
Male-----	1,922	69	359	1,441	53	100.0	---	100.0	100.0	47.2	11.3	29.2	68.8
Over 15 years of age-----	1,667	36	278	1,337	16	86.7	---	77.4	92.8	40.9	5.9	22.6	63.8
Capable of self-support-----	508	---	13	492	3	26.4	---	3.6	34.1	12.5	---	1.1	23.5
Capable of partial self-support-----	679	1	107	566	5	35.3	---	29.8	39.3	16.7	0.2	8.7	27.0
Incapable of productive work-----	311	32	146	151	2	16.2	---	40.7	9.1	7.6	5.2	11.9	6.3
Unknown-----	169	3	12	148	6	8.8	---	3.3	10.3	4.1	0.5	1.0	7.1
Under 15 years of age-----	222	32	81	104	5	11.6	---	22.6	7.2	5.5	5.2	6.6	5.0
Unknown age-----	33	1	---	---	32	1.7	---	---	---	0.8	0.2	---	---
Female-----	1,602	49	293	1,208	52	100.0	---	100.0	100.0	46.0	9.3	26.0	69.4
Over 15 years of age-----	1,456	29	249	1,153	25	90.9	---	85.0	95.4	41.8	5.5	22.1	66.3
Capable of self-support-----	502	1	12	485	4	31.3	---	4.1	40.1	14.4	0.2	1.1	27.9
Capable of partial self-support-----	533	---	79	452	2	33.3	---	27.0	37.4	15.3	---	7.0	26.0
Incapable of productive work-----	302	25	144	127	6	18.9	---	49.1	10.5	8.7	4.8	12.8	7.3
Unknown-----	119	3	14	89	13	7.4	---	4.8	7.4	3.4	0.6	1.2	5.1
Under 15 years of age-----	125	20	44	54	7	7.8	---	15.0	4.5	3.6	3.8	3.9	3.1
Unknown age-----	21	---	---	1	20	1.3	---	---	---	0.6	---	---	0.1

<sup>1</sup> The number of first admissions on which these rates are based are given in table 154.

<sup>2</sup> Excluding 18 male and 23 female patients in Oklahoma (information received after completion of tabulations).

MENTAL DEFECT AND EPILEPSY

TABLE 166.—DISCHARGES OF MENTAL DEFECTIVES FROM STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	Total	Male	Female	IDIOT		IMBECILE		MORON		UNKNOWN	
				Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1 2</sup>	5,524	1,922	1,602	69	49	589	295	1,441	1,208	55	52
NEW ENGLAND <sup>1</sup>	551	178	155	4	7	60	58	112	104	2	4
Maine	9	6	5	2	—	2	—	2	5	—	—
New Hampshire	45	21	22	—	5	7	11	14	8	—	—
Vermont	9	6	5	—	—	2	1	4	2	—	—
Massachusetts <sup>1</sup>	200	108	92	2	5	54	25	72	66	—	—
Rhode Island	55	30	25	—	1	10	5	18	17	2	4
Connecticut	15	7	8	—	—	5	—	2	8	—	—
MIDDLE ATLANTIC	1,285	708	575	16	8	104	105	585	459	5	5
New York	1,018	578	440	10	5	75	78	492	356	1	1
New Jersey	157	89	78	4	2	14	15	41	61	—	—
Pennsylvania	128	71	57	2	1	15	12	52	42	2	2
EAST NORTH CENTRAL <sup>1</sup>	707	428	281	15	9	58	44	342	214	11	14
Ohio	189	118	51	—	1	8	7	110	42	—	1
Indiana <sup>1</sup>	14	7	7	1	1	2	2	2	1	2	5
Illinois	174	105	71	10	6	54	24	57	41	2	—
Michigan	540	195	147	5	1	14	11	171	127	5	8
Wisconsin	10	5	5	1	—	—	—	2	5	2	2
WEST NORTH CENTRAL	450	209	241	9	15	65	47	109	161	28	20
Minnesota	205	70	135	1	2	25	24	45	109	1	—
Iowa	94	58	58	1	2	19	9	56	27	—	—
Missouri	51	28	25	5	6	15	12	8	4	—	1
North Dakota	18	5	15	2	2	2	1	1	10	—	—
South Dakota	54	21	15	—	1	4	1	17	11	—	—
Nebraska	48	29	19	—	—	—	—	2	—	27	19
SOUTH ATLANTIC <sup>1</sup>	214	89	125	5	1	20	20	61	101	5	5
Delaware	40	22	18	—	1	5	5	17	12	2	2
Dist. of Columbia	18	12	6	2	—	1	1	9	5	—	—
Virginia	61	16	45	—	—	2	1	15	43	1	1
South Carolina	20	4	16	—	—	1	1	5	15	—	—
Georgia	44	17	27	—	—	8	11	9	16	—	—
Florida	51	18	15	5	—	5	5	10	10	—	—
EAST SOUTH CENTRAL	72	51	21	5	2	12	4	35	15	5	2
Kentucky	20	16	4	—	—	2	1	14	5	—	—
Tennessee	22	15	9	5	2	5	2	5	5	—	—
Alabama	17	15	4	—	—	5	1	9	5	1	—
Mississippi	15	9	4	—	—	2	—	5	2	2	2
WEST SOUTH CENTRAL <sup>1 2</sup>	4	4	—	—	—	1	—	5	—	—	—
Louisiana	4	4	—	—	—	1	—	5	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—
MOUNTAIN <sup>1</sup>	158	98	60	7	5	20	16	69	59	2	2
Montana	57	32	25	5	1	7	7	22	15	—	2
Wyoming	25	15	8	—	—	1	2	15	6	1	—
Colorado	14	7	7	1	1	1	5	4	5	1	—
New Mexico	6	5	5	—	—	—	—	5	5	—	—
Utah	58	41	17	5	1	11	4	27	12	—	—
PACIFIC	505	159	146	10	6	21	19	127	117	1	4
Washington	8	2	6	—	1	—	—	2	5	—	2
Oregon	57	21	36	1	5	—	4	19	27	1	2
California	240	156	104	9	2	21	15	106	87	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 156.

<sup>2</sup> Excluding 18 male and 25 female patients in Oklahoma (information received after completion of tabulations).



TABLE 167.—DISCHARGES OF EPILEPTICS FROM STATE INSTITUTIONS, BY CONDITION ON DISCHARGE AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DISCHARGES			RECOVERED		IMPROVED		UNIMPROVED		UNKNOWN	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1 2</sup>	850	508	322	11	12	219	126	261	177	17	7
NEW ENGLAND <sup>1</sup>	57	22	15	—	—	1	1	21	14	—	—
New Hampshire	3	1	2	—	—	—	—	1	2	—	—
Massachusetts <sup>1</sup>	28	17	11	—	—	—	—	17	11	—	—
Rhode Island	5	5	—	—	—	1	—	2	—	—	—
Connecticut	5	1	2	—	—	—	—	1	1	—	—
MIDDLE ATLANTIC	278	160	118	8	7	80	21	69	88	5	2
New York	195	102	91	7	7	41	16	52	67	2	1
New Jersey	47	25	22	—	—	14	5	11	16	—	1
Pennsylvania	58	55	5	1	—	25	—	6	5	1	—
EAST NORTH CENTRAL <sup>1</sup>	198	158	60	5	4	63	32	67	20	5	4
Ohio	156	87	49	5	4	45	29	41	16	—	—
Illinois	40	32	8	—	—	10	3	20	2	2	3
Michigan	20	17	3	—	—	9	—	5	2	3	1
Wisconsin	2	2	—	—	—	1	—	1	—	—	—
WEST NORTH CENTRAL	144	85	61	—	—	58	37	58	24	7	—
Minnesota	34	25	9	—	—	5	3	13	6	7	—
Iowa	50	15	15	—	—	12	9	3	6	—	—
Missouri	20	7	13	—	—	3	3	4	10	—	—
North Dakota	4	3	1	—	—	1	—	2	1	—	—
South Dakota	7	5	2	—	—	—	—	1	5	1	—
Kansas	49	28	21	—	—	17	21	11	—	—	—
SOUTH ATLANTIC <sup>1</sup>	25	16	9	—	—	8	5	6	3	2	1
Delaware	2	—	2	—	—	—	—	1	—	1	—
District of Columbia	1	1	—	—	—	1	—	—	—	—	—
Virginia	15	10	5	—	—	4	2	4	—	2	1
South Carolina	1	1	—	—	—	—	—	1	—	—	—
Florida	8	4	4	—	—	3	2	1	2	—	—
WEST SOUTH CENTRAL <sup>1 2</sup>	124	77	47	—	—	22	25	55	22	—	—
Louisiana	1	1	—	—	—	—	—	1	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	123	76	47	—	—	22	25	54	22	—	—
MOUNTAIN <sup>1</sup>	15	7	6	—	1	4	2	3	3	—	—
Montana	5	2	3	—	—	—	—	2	3	—	—
Wyoming	3	3	—	—	—	2	—	1	—	—	—
New Mexico	1	—	1	—	—	—	—	1	—	—	—
Utah	4	2	2	—	1	2	1	—	—	—	—
PACIFIC	11	5	6	—	—	3	3	2	3	—	—
California	11	5	6	—	—	3	3	2	3	—	—

<sup>1</sup>Incomplete reporting, see footnote to table 156.<sup>2</sup>Excluding 5 male and 9 female patients in Oklahoma (information received after completion of tabulations).

TABLE 168.—DISCHARGES OF EPILEPTICS FROM STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS, BY SEX AND CONDITION ON DISCHARGE: 1939

SEX AND CONDITION ON DISCHARGE	NUMBER								
	All discharges	Symptomatic						Idiopathic	Unknown
		Total	Tonicic		Due to definite brain diseases	Un-known			
			Exoge-nous	Endoge-nous					
<b>Total</b> <sup>2</sup>	850	195	17	29	148	1	597	53	
Recovered	25	7	—	—	6	1	16	—	
Improved	345	74	7	11	55	—	258	15	
Unimproved	458	111	9	18	84	—	312	15	
Unknown	24	5	1	—	2	—	15	8	
<b>Male</b>	508	126	15	15	96	—	362	20	
Recovered	11	4	—	—	4	—	7	—	
Improved	219	50	6	6	36	—	161	8	
Unimproved	281	69	8	9	52	—	185	9	
Unknown	17	5	1	—	2	—	11	5	
<b>Female</b>	322	69	2	14	52	1	255	18	
Recovered	12	5	—	—	2	1	9	—	
Improved	126	24	1	5	18	—	95	7	
Unimproved	177	42	1	9	32	—	129	6	
Unknown	7	—	—	—	—	—	2	5	

	PERCENT			NUMBER PER 100 FIRST ADMISSIONS OF EACH TYPE OF EPILEPSY <sup>1</sup>		
	Total	Sympto-matic	Idiopathic	Total	Symptomatic	Idiopathic
<b>Total</b> <sup>2</sup>	100.0	100.0	100.0	51.1	56.8	59.8
Recovered	2.8	3.6	2.7	1.4	1.5	1.6
Improved	41.6	37.9	42.9	21.2	14.0	25.6
Unimproved	52.8	56.9	52.3	27.0	20.9	31.2
Unknown	2.9	1.5	2.2	1.5	0.6	1.3
<b>Male</b>	100.0	100.0	100.0	54.4	40.6	65.7
Recovered	2.2	5.2	1.9	1.2	1.5	1.2
Improved	45.1	39.7	44.5	25.4	16.1	26.3
Unimproved	51.4	54.8	50.6	27.9	22.3	32.2
Unknown	3.5	2.4	3.0	1.8	0.9	1.9
<b>Female</b>	100.0	100.0	100.0	46.7	51.4	54.5
Recovered	3.7	4.3	3.8	1.7	1.4	2.1
Improved	39.1	34.8	40.4	18.3	10.9	22.0
Unimproved	55.0	60.9	54.9	25.7	19.1	29.9
Unknown	2.2	—	0.9	1.0	—	0.5

<sup>1</sup> The number of first admissions on which these rates are based are given in table 159.

<sup>2</sup> Excluding 5 male and 9 female patients in Oklahoma (information received after completion of tabulations).

TABLE 169.—DISCHARGES OF EPILEPTICS FROM STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DISCHARGES			SYMPTOMATIC			
	Total	Male	Female	Toxic			
				Exogenous		Endogenous	
				Male	Female	Male	Female
United States <sup>1 2</sup>	850	508	322	15	2	15	14
NEW ENGLAND <sup>1</sup>	57	22	15	—	1	5	5
New Hampshire	5	1	2	—	—	—	—
Massachusetts <sup>1</sup>	28	17	11	—	1	5	5
Rhode Island	5	5	—	—	—	—	—
Connecticut	5	1	2	—	—	—	—
MIDDLE ATLANTIC	278	160	118	4	—	5	5
New York	195	102	91	1	—	4	5
New Jersey	47	25	22	2	—	—	—
Pennsylvania	58	53	5	1	—	1	—
EAST NORTH CENTRAL	198	158	60	2	—	1	—
Ohio	156	87	49	—	—	—	—
Illinois	40	52	8	2	—	—	—
Michigan	20	17	5	—	—	1	—
Wisconsin	2	2	—	—	—	—	—
WEST NORTH CENTRAL	144	85	61	1	1	—	2
Minnesota	54	25	9	—	—	—	—
Iowa	50	15	15	—	—	—	1
Missouri	20	7	15	—	—	—	—
North Dakota	4	5	1	—	—	—	—
South Dakota	7	5	2	—	—	—	—
Kansas	49	28	21	1	1	—	1
SOUTH ATLANTIC <sup>1</sup>	25	16	9	1	—	—	—
Delaware	2	—	2	—	—	—	—
District of Columbia	1	1	—	—	—	—	—
Virginia	15	10	5	1	—	—	—
South Carolina	1	1	—	—	—	—	—
Florida	8	4	4	—	—	—	—
WEST SOUTH CENTRAL <sup>1 2</sup>	124	77	47	7	—	6	4
Louisiana	1	1	—	—	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—
Texas <sup>1</sup>	125	76	47	7	—	6	4
MOUNTAIN <sup>1</sup>	15	7	6	—	—	—	—
Montana	5	2	5	—	—	—	—
Wyoming	5	5	—	—	—	—	—
New Mexico	1	—	1	—	—	—	—
Utah	4	2	2	—	—	—	—
PACIFIC	11	5	6	—	—	—	—
California	11	5	6	—	—	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 156.

<sup>2</sup> Excluding 5 male and 9 female patients in Oklahoma (information received after completion of tabulations).

TABLE 169.—DISCHARGES OF EPILEPTICS FROM STATE INSTITUTIONS, BY CLINICAL DIAGNOSIS AND SEX, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	SYMPTOMATIC—Continued				IDIOPATHIC		UNKNOWN	
	Due to definite brain diseases		Unknown		Male	Female	Male	Female
	Male	Female	Male	Female				
United States <sup>1 2</sup>	96	52	—	1	562	255	20	18
NEW ENGLAND <sup>1</sup>	8	3	—	—	11	7	—	1
New Hampshire	1	—	—	—	—	1	—	1
Massachusetts <sup>1</sup>	7	3	—	—	7	4	—	—
Rhode Island	—	—	—	—	3	—	—	—
Connecticut	—	—	—	—	1	2	—	—
MIDDLE ATLANTIC	37	25	—	—	112	66	2	2
New York	23	24	—	—	69	61	2	1
New Jersey	—	—	—	—	23	21	—	1
Pennsylvania	11	1	—	—	20	4	—	—
EAST NORTH CENTRAL	20	2	—	—	111	53	4	5
Ohio	6	—	—	—	81	49	—	—
Illinois	5	2	—	—	24	3	1	3
Michigan	9	—	—	—	4	1	3	2
Wisconsin	—	—	—	—	2	—	—	—
WEST NORTH CENTRAL	13	6	—	—	57	45	12	7
Minnesota	5	—	—	—	20	9	—	—
Iowa	3	1	—	—	12	15	—	—
Missouri	—	—	—	—	7	15	—	—
North Dakota	—	—	—	—	3	1	—	—
South Dakota	—	—	—	—	5	2	—	—
Kansas	5	5	—	—	10	7	12	7
SOUTH ATLANTIC <sup>1</sup>	—	1	—	—	15	8	—	—
Delaware	—	—	—	—	—	2	—	—
District of Columbia	—	—	—	—	1	—	—	—
Virginia	—	—	—	—	9	3	—	—
South Carolina	—	—	—	—	1	—	—	—
Florida	—	1	—	—	4	3	—	—
WEST SOUTH CENTRAL <sup>1 2</sup>	17	9	—	—	47	34	—	—
Louisiana	—	—	—	—	1	—	—	—
Oklahoma <sup>2</sup>	—	—	—	—	—	—	—	—
Texas <sup>1</sup>	17	9	—	—	46	34	—	—
MOUNTAIN <sup>1</sup>	—	1	—	1	5	1	2	3
Montana	—	—	—	—	—	—	2	3
Wyoming	—	—	—	—	5	—	—	—
New Mexico	—	—	—	—	—	1	—	—
Utah	—	1	—	1	2	—	—	—
PACIFIC	1	5	—	—	4	1	—	—
California	1	5	—	—	4	1	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 156.

<sup>2</sup> Excluding 5 male and 9 female patients in Oklahoma (information received after completion of tabulations).

**Deaths.**—Deaths of mentally defective patients are dealt with separately from epileptic patient deaths, whenever possible. In those instances in which combination of the data is of administrative significance, such as in the computation of death rates, the data have been combined. The tabulations in the death section of this report are considerably expanded over those heretofore presented, principally because of the inclusion of detailed studies of cause of death.

The death rate may be expressed in one of two ways. (1) It may be based on the number of patients under treatment, which is defined as the number of patients resident in the hospital at the end of the year, plus patients discharged from the hospital and on parole, plus deaths in the hospital during the year. (2) The death rate may also be expressed in terms of total admissions (first admissions plus readmissions) to the hospital. Since the number of admissions may fluctuate greatly, a more stable rate is secured in a rate expressed per 1,000 patients under treatment.

In 1939 the death rate per 1,000 patients under treatment was 22.5, a decline from the rate of 23.5 the previous year, and 35.5 percent less than 34.9, the rate in 1926. The explanation probably lies in the fact that institutions now have facilities available for the accommodation of patients less acutely ill, and can retain them for longer periods of institutionalization.

The death rate per 100 admissions was 22.8, the same as it had been a year previous. No consistent trend has been exhibited in rates computed on this basis over a period of years.

In 1939 there were 1,613 deaths of mental defectives (881 male and 732 female). There were 757 deaths of epileptic patients (447 male and 310 female). Rates per 1,000 patients under treatment for mental defectives and epileptics are presented separately by sex for each State.

Deaths of patients in State institutions were distributed according to the number of times a patient had been admitted to an institution for mental deficiency or epilepsy. For mental defectives, 91.2 percent had been admitted only once, as compared with 85.1 percent for epileptics. For mental defectives, 7.1 percent had been admitted twice, as compared with 11.6 percent for epileptics. Few patients of either type had been admitted more often.

**Mental defect.**—Mental defective deaths are presented by State for each mental status (idiot, imbecile, and moron). Of the patients tabulated in the category "Undistributed and unknown," 403 were cases in which the mental status was not reported, although it may have been known to the institution. Clinical diagnosis of epileptic deaths (symptomatic or idiopathic) was not reported for a sufficiently large number of patients to warrant its presentation.

The median duration of institution life before death of mental defectives was 6 years 3.9 months (5 years 9.4 months for males, 7 years 0.2 months for females). As has been evident in previous years, the median duration of institution life of idiots was the lowest (4 years 5.0 months for males and 4 years 11.5 months for females). It was somewhat higher for imbeciles (6 years 11.3 months for males and 8 years 3.7 months for females) and for morons (6 years 9.6 months for males and 8 years 8.5 months for females).

TABLE 170.—DEATHS OF PATIENTS IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, AND RATE PER 1,000 PATIENTS UNDER TREATMENT AND PER 100 ADMISSIONS: 1922, 1926-1939

YEAR	Deaths of patients during year	Deaths per 1,000 patients under treatment <sup>1</sup>	Deaths per 100 admissions	YEAR	Deaths of patients during year	Deaths per 1,000 patients under treatment <sup>1</sup>	Deaths per 100 admissions
1939	2,582	22.5	22.8	1931	2,296	27.5	19.9
1938	2,546	25.5	22.8	1930	2,295	29.3	20.9
1937	2,903	27.4	23.8	1929	2,329	31.5	21.5
1936	2,676	26.3	25.1	1928	2,149	50.8	21.1
1935	2,547	25.5	25.0	1927	2,001	50.1	21.9
1934	2,527	25.6	22.2	1926	2,228	34.9	24.9
1933	2,528	24.7	19.9	1922	1,762	34.5	22.5
1932	2,175	24.6	18.9				

<sup>1</sup> Under treatment includes the number of patients resident at end of the year, plus those who were discharged and those who died in the institution during the year.



TABLE 172.—DEATHS OF PATIENTS IN STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY SEX, BY NUMBER OF TIMES ADMITTED: 1939

NUMBER OF TIMES ADMITTED	MENTAL DEFECTIVES			EPILEPTICS		
	Total	Male	Female	Total	Male	Female
Total	1,613	883	730	757	447	310
1 time	1,471	803	668	644	384	260
2 times	114	62	52	88	45	43
3 times	10	5	5	15	9	6
4 times	3	3	—	2	2	—
5 times	—	—	—	—	—	—
6 to 9 times	1	—	1	—	—	—
10 or more	1	—	1	—	—	—
Indefinite and unknown	15	10	5	8	7	1

The median age at death of male mental defectives was 21.0 years as compared with 23.4 years for females. This difference in the age at death of female patients is probably explained by the fact that the average life span of the female is longer. The same difference between males and females is true among idiots, imbeciles, and morons. Mental condition also affects the median age at death as patients less mentally developed die younger.

Of the 883 mental defective males who died during the year, 842 were white, and 41 were of all other races. There were 689 white female deaths as compared with 41 of all other races.

There were 1,613 deaths of mental defectives during the year. The largest number of deaths was caused by infectious and parasitic diseases (540); tuberculosis of the respiratory system, etc., was responsible for the greatest proportion of these, 310, or 57.4 percent. Diseases of the respiratory system were responsible for 289 deaths. The largest proportion of these deaths were due to bronchopneumonia, 148, or 51.2 percent. The deaths of mental defectives reported among patients of races other than white were so small in number (41 male, 41 female) that no general conclusions have been drawn.

The selected list of primary causes of death is the same as that used in the sections dealing with mental disease, with the exception of the cause "Chronic poisoning and intoxication" in which there were no deaths, and for which break-downs have consequently been omitted.

**Epilepsy.**—The median duration of institution life before death of all epileptic patients was 7 years 8.1 months (7 years 0.2 months for males, 8 years 6.1 months for females). The median age at death of male epileptic patients was 31.5 years, and of female epileptics, 32.3 years. On the whole, epileptics tend to have longer institution life than do mental defectives.

There were 757 deaths of epileptic patients during the year. The largest number of deaths, 325, was accounted for by diseases of the nervous system, of which epilepsy was responsible for by far the highest proportion, 288, or 88.6 percent. Infectious and parasitic diseases and diseases of the respiratory system claimed nearly equal proportions of deaths, with 15.7 and 14.5 percent in each category, respectively. There were only 32 patients whose race was indicated to be other than white.

MENTAL DEFECT AND EPILEPSY

TABLE 173.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL DEATHS			IDIOT		IMBECILE		MORON		UNDISTRIBUTED AND UNKNOWN	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States <sup>1</sup>	1,613	885	730	310	226	243	189	93	117	237	198
NEW ENGLAND <sup>1</sup>	122	75	47	19	8	10	7	2	8	44	24
Maine	35	21	12	---	---	---	---	---	---	21	12
New Hampshire	7	5	2	2	1	2	---	1	1	---	---
Vermont	10	7	3	---	---	---	---	---	---	7	3
Massachusetts <sup>1</sup>	47	26	21	17	7	8	7	1	7	---	---
Rhode Island	9	5	4	---	---	---	---	---	---	5	4
Connecticut	16	11	5	---	---	---	---	---	---	11	5
MIDDLE ATLANTIC	366	188	178	67	60	55	53	28	33	38	32
New York	236	125	111	34	29	38	25	16	25	37	32
New Jersey	52	24	28	18	13	1	11	5	4	---	---
Pennsylvania	78	39	39	15	18	16	17	7	4	1	---
EAST NORTH CENTRAL <sup>1</sup>	547	300	247	106	83	84	51	31	39	79	74
Ohio	131	80	51	29	9	23	8	9	6	19	28
Indiana <sup>1</sup>	55	14	41	5	27	9	10	---	3	---	1
Illinois	186	107	79	44	29	37	23	19	22	7	5
Michigan	91	51	40	---	---	---	---	---	---	51	40
Wisconsin	84	48	36	28	18	15	10	3	8	2	---
WEST NORTH CENTRAL	242	121	121	47	37	32	38	12	17	30	29
Minnesota	59	30	29	---	---	---	---	---	---	30	29
Iowa	50	26	24	12	7	12	12	2	5	---	---
Missouri	14	8	6	4	3	3	1	1	2	---	---
North Dakota	12	8	4	5	---	5	3	---	1	---	---
South Dakota	12	7	5	3	2	2	2	2	1	---	---
Nebraska	34	15	19	5	9	6	6	4	4	---	---
Kansas	61	27	34	18	16	6	14	3	4	---	---
SOUTH ATLANTIC <sup>1</sup>	63	41	22	15	12	14	3	7	3	5	4
Delaware	4	3	1	1	---	---	---	---	---	2	1
Dist. of Columbia	4	2	2	---	---	---	---	---	---	2	2
Virginia	17	11	6	6	4	4	1	1	---	---	1
North Carolina	16	7	9	3	7	4	1	---	1	---	---
South Carolina	4	4	---	1	---	2	---	---	---	1	---
Georgia	8	7	1	---	---	3	---	4	1	---	---
Florida	10	7	3	4	1	1	1	2	1	---	---
EAST SOUTH CENTRAL	50	28	22	19	8	8	10	1	4	---	---
Kentucky	12	6	6	4	2	2	3	---	1	---	---
Tennessee	27	16	11	10	6	6	5	---	---	---	---
Alabama	7	5	2	5	---	---	1	---	1	---	---
Mississippi	4	1	3	---	---	---	1	1	2	---	---
WEST SOUTH CENTRAL <sup>1</sup>	38	23	15	5	4	7	3	4	1	7	7
Louisiana	24	16	8	5	4	7	3	4	1	---	---
Oklahoma	14	7	7	---	---	---	---	---	---	7	7
MOUNTAIN <sup>1</sup>	18	12	6	4	2	6	2	2	2	---	---
Montana	2	---	2	---	1	---	---	---	1	---	---
Wyoming	4	3	1	---	---	1	1	2	---	---	---
Colorado	8	6	2	2	1	4	1	---	---	---	---
Utah	4	3	1	2	---	1	---	---	1	---	---
PACIFIC	167	95	72	28	12	27	22	6	10	34	28
Washington	46	25	21	---	---	---	---	---	---	25	21
Oregon	33	17	16	7	2	8	10	2	4	---	---
California	88	53	35	21	10	19	12	4	6	9	7

<sup>1</sup>Incomplete reporting, see footnote to table 136.



## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 174.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY DURATION OF INSTITUTIONAL LIFE: 1939

(Median not shown where number of deaths is less than 100)

DURATION OF INSTITUTIONAL LIFE	ALL DEATHS			IDIOT		IMBECILE		MORON		UNDISTRIBUTED AND UNKNOWN	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,613	883	730	310	226	243	189	93	117	237	198
Less than 1 month	55	32	23	17	11	5	3	1	---	9	9
1 to 3 months	134	68	66	35	28	12	13	4	6	17	19
4 to 6 months	63	44	19	24	12	8	4	1	1	11	2
7 to 11 months	64	48	16	19	5	12	1	4	3	13	7
1 year	135	80	55	18	17	18	13	12	8	32	17
2 years	99	53	46	24	15	12	13	5	6	12	12
3 to 4 years	162	83	79	24	25	32	23	10	13	17	18
5 to 9 years	341	191	150	56	42	58	37	25	29	52	42
10 to 19 years	330	170	160	67	49	44	38	18	29	41	44
20 years and over	222	107	115	24	21	42	44	12	22	29	28
Unknown	8	7	1	2	1	---	---	1	---	4	---
Median duration of institutional life	6 yrs. 3.9 mos.	5 yrs. 9.4 mos.	7 yrs. 0.2 mos.	4 yrs. 5.0 mos.	4 yrs. 11.5 mos.	6 yrs. 11.3 mos.	8 yrs. 3.7 mos.	---	8 yrs. 8.5 mos.	---	---

TABLE 175.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY MENTAL STATUS AND RACE, BY SEX AND AGE AT DEATH: 1939

(Median not shown where number of deaths is less than 100)

AGE AT DEATH (IN YEARS)	ALL DEATHS			IDIOT		IMBECILE		MORON		UNDISTRIBUTED AND UNKNOWN	
	Total	White	All other	White	All other	White	All other	White	All other	White	All other
All ages (male)	883	842	41	502	8	226	17	85	10	231	6
Under 5	63	62	1	29	---	8	1	5	---	20	---
5 - 9	95	92	3	49	2	18	1	3	---	22	---
10 - 14	109	104	5	38	2	24	2	8	1	34	---
15 - 19	152	144	8	61	1	34	3	19	2	30	2
20 - 24	116	106	10	36	1	27	5	9	3	34	1
25 - 29	72	69	3	24	---	16	1	6	---	23	2
30 - 39	99	91	8	36	2	24	2	6	3	25	1
40 - 49	58	56	2	10	---	32	2	5	---	9	---
50 - 59	59	59	---	12	---	24	---	6	---	17	---
60 and over	60	59	1	7	---	19	---	16	1	17	---
Unknown	---	---	---	---	---	---	---	---	---	---	---
Median age	21.0	20.9	---	17.9	---	25.6	---	---	---	---	---
All ages (female)	730	689	41	216	10	176	13	112	5	185	13
Under 5	51	48	3	12	2	10	1	5	---	21	---
5 - 9	70	66	4	37	2	17	1	3	---	9	1
10 - 14	72	67	5	32	3	17	---	5	---	13	2
15 - 19	104	95	9	45	---	17	4	11	2	22	3
20 - 24	100	91	9	28	2	21	4	17	1	25	2
25 - 29	74	69	5	20	1	14	1	15	---	20	3
30 - 39	90	85	5	17	---	24	1	20	2	24	2
40 - 49	49	49	---	8	---	12	---	10	---	19	---
50 - 59	70	70	---	10	---	20	---	21	---	19	---
60 and over	50	49	1	7	---	24	1	5	---	13	---
Unknown	---	---	---	---	---	---	---	---	---	---	---
Median age	23.4	23.8	---	18.0	---	27.1	---	30.0	---	---	---

MENTAL DEFECT AND EPILEPSY

TABLE 176.—DEATHS OF MALE MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										
		Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over	Un-known
United States <sup>1</sup>	883	65	95	109	152	116	72	99	58	59	60	—
NEW ENGLAND <sup>1</sup>	75	2	17	11	16	6	10	8	2	1	2	—
Maine	21	—	6	2	4	5	2	2	1	—	1	—
New Hampshire	5	—	—	1	—	—	2	2	—	—	—	—
Vermont	7	—	4	—	2	1	—	—	—	—	—	—
Massachusetts <sup>1</sup>	26	—	5	6	8	—	4	1	1	—	—	—
Rhode Island	5	2	1	1	1	—	—	—	—	—	—	—
Connecticut	11	—	1	1	1	2	2	3	—	—	1	—
MIDDLE ATLANTIC	168	6	21	20	38	25	12	23	15	14	14	—
New York	125	5	19	15	21	15	6	11	8	12	13	—
New Jersey	24	—	1	2	6	5	2	5	5	1	1	—
Pennsylvania	39	1	1	3	11	7	4	7	4	1	—	—
EAST NORTH CENTRAL <sup>1</sup>	300	37	24	27	52	40	23	32	18	28	19	—
Ohio	80	—	2	7	14	13	4	14	6	12	8	—
Indiana <sup>1</sup>	14	—	2	2	—	5	2	—	1	1	1	—
Illinois	107	16	15	9	15	11	10	10	7	11	7	—
Michigan	51	9	2	4	12	6	4	3	4	4	3	—
Wisconsin	48	12	5	5	13	5	3	5	—	—	—	—
WEST NORTH CENTRAL	121	8	12	14	15	12	11	15	7	12	15	—
Minnesota	30	—	—	6	2	4	5	5	—	1	7	—
Iowa	26	1	2	4	4	1	1	3	1	6	3	—
Missouri	8	—	1	—	3	—	2	2	—	—	—	—
North Dakota	8	1	1	1	3	1	—	—	—	—	1	—
South Dakota	7	3	—	—	—	1	1	—	1	1	—	—
Nebraska	15	2	1	2	1	3	1	—	3	—	2	—
Kansas	27	1	7	1	2	2	1	5	2	4	2	—
SOUTH ATLANTIC <sup>1</sup>	41	—	2	6	11	7	2	6	4	—	3	—
Delaware	3	—	—	—	—	1	—	1	—	—	1	—
Dist. of Columbia	2	—	1	—	—	—	1	—	—	—	—	—
Virginia	11	—	—	1	3	2	—	3	1	—	1	—
North Carolina	7	—	—	1	2	2	—	2	—	—	—	—
South Carolina	4	—	1	—	1	—	—	—	1	—	1	—
Georgia	7	—	—	3	1	2	1	—	—	—	—	—
Florida	7	—	—	1	4	—	—	—	2	—	—	—
EAST SOUTH CENTRAL	28	—	2	6	3	4	4	3	3	1	—	—
Kentucky	6	—	1	1	2	—	—	1	1	—	—	—
Tennessee	16	—	—	5	—	3	3	2	2	1	—	—
Alabama	5	—	1	2	—	1	1	—	—	—	—	—
Mississippi	1	—	—	—	1	—	—	—	—	—	—	—
WEST SOUTH CENTRAL <sup>1</sup>	23	1	3	1	2	6	1	3	3	—	3	—
Louisiana	16	—	1	1	2	3	—	3	3	—	3	—
Oklahoma	7	1	2	—	—	3	1	—	—	—	—	—
MOUNTAIN <sup>1</sup>	12	1	2	2	2	2	1	1	—	—	1	—
Montana	—	—	—	—	—	—	—	—	—	—	—	—
Wyoming	3	—	—	—	1	—	—	1	—	—	1	—
Colorado	6	—	1	2	1	2	—	—	—	—	—	—
Utah	3	1	1	—	—	—	1	—	—	—	—	—
PACIFIC	95	8	12	20	13	14	8	8	6	3	3	—
Washington	25	2	2	5	2	3	4	3	2	2	—	—
Oregon	17	—	2	4	—	4	3	2	1	—	1	—
California	53	6	8	11	11	7	1	3	3	1	2	—

<sup>1</sup>Incomplete reporting, see footnote to table 136.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 177.—DEATHS OF FEMALE MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										Un-known
		Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over	
United States <sup>1</sup>	730	51	70	72	104	100	74	90	49	70	50	-----
NEW ENGLAND <sup>1</sup>	47	1	5	2	5	5	4	13	6	5	1	-----
Maine-----	12	-----	-----	1	2	1	1	6	1	-----	-----	-----
New Hampshire-----	2	-----	-----	-----	-----	1	-----	-----	-----	-----	1	-----
Vermont-----	3	-----	-----	-----	-----	-----	-----	2	1	-----	-----	-----
Massachusetts <sup>1</sup>	21	1	4	1	1	2	-----	5	2	5	-----	-----
Rhode Island-----	4	-----	1	-----	2	-----	1	-----	-----	-----	-----	-----
Connecticut-----	5	-----	-----	-----	-----	1	2	-----	2	-----	-----	-----
MIDDLE ATLANTIC-----	178	4	19	24	29	23	22	23	10	15	9	-----
New York-----	111	4	13	15	16	15	13	15	5	11	4	-----
New Jersey-----	28	-----	3	2	5	5	3	4	1	3	2	-----
Pennsylvania-----	39	-----	3	7	8	3	6	4	4	1	3	-----
EAST NORTH CENTRAL <sup>1</sup>	247	26	21	26	32	41	27	31	11	18	14	-----
Ohio-----	51	-----	-----	4	11	8	9	4	2	9	4	-----
Indiana <sup>1</sup>	41	-----	7	4	5	10	5	7	1	1	1	-----
Illinois-----	79	17	9	10	6	8	4	11	4	5	5	-----
Michigan-----	40	4	1	6	4	7	5	4	3	3	3	-----
Wisconsin-----	36	5	4	2	6	8	4	5	1	-----	1	-----
WEST NORTH CENTRAL-----	121	6	10	12	15	15	9	9	13	15	17	-----
Minnesota-----	29	-----	1	2	1	4	3	3	4	6	5	-----
Iowa-----	24	2	3	1	2	3	2	2	-----	5	4	-----
Missouri-----	6	-----	-----	3	3	-----	-----	-----	-----	-----	-----	-----
North Dakota-----	4	-----	1	1	-----	-----	-----	1	1	-----	-----	-----
South Dakota-----	5	-----	-----	-----	1	-----	-----	1	1	-----	2	-----
Nebraska-----	19	1	1	3	3	3	2	1	3	1	1	-----
Kansas-----	34	3	4	2	5	5	2	1	4	3	5	-----
SOUTH ATLANTIC <sup>1</sup>	22	1	-----	2	5	7	1	1	2	2	1	-----
Delaware-----	1	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----
Dist. of Columbia-----	2	1	-----	-----	-----	-----	1	-----	-----	-----	-----	-----
Virginia-----	6	-----	-----	-----	-----	3	-----	-----	-----	2	1	-----
North Carolina-----	9	-----	-----	2	3	3	-----	-----	1	-----	-----	-----
South Carolina-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Georgia-----	1	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
Florida-----	3	-----	-----	-----	1	1	-----	-----	1	-----	-----	-----
EAST SOUTH CENTRAL-----	22	-----	3	2	1	2	3	3	-----	6	2	-----
Kentucky-----	6	-----	-----	1	-----	-----	2	-----	-----	2	1	-----
Tennessee-----	11	-----	1	1	-----	-----	1	3	-----	4	1	-----
Alabama-----	2	-----	-----	-----	-----	2	-----	-----	-----	-----	-----	-----
Mississippi-----	3	-----	2	-----	1	-----	-----	-----	-----	-----	-----	-----
WEST SOUTH CENTRAL <sup>1</sup>	15	-----	-----	-----	4	3	1	3	1	1	2	-----
Louisiana-----	8	-----	-----	-----	1	2	-----	2	1	-----	2	-----
Oklahoma-----	7	-----	-----	-----	3	1	1	1	-----	1	-----	-----
MOUNTAIN <sup>1</sup>	6	-----	1	-----	2	-----	2	-----	-----	-----	1	-----
Montana-----	2	-----	-----	-----	1	-----	1	-----	-----	-----	-----	-----
Wyoming-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----
Colorado-----	2	-----	-----	-----	1	-----	1	-----	-----	-----	-----	-----
Utah-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
PACIFIC-----	72	13	11	4	11	4	5	7	6	8	3	-----
Washington-----	21	10	1	-----	1	2	2	2	2	1	-----	-----
Oregon-----	16	-----	2	1	3	1	3	1	-----	3	2	-----
California-----	35	3	8	3	7	1	-----	4	4	4	1	-----

<sup>1</sup>Incomplete reporting, see footnote to table 136.

TABLE 178.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over		
	All causes	1,613	114	165	181	256	216	146	189	107	129	110		
	White	842	62	92	104	144	106	69	91	56	59	59		
	Female	689	48	66	87	95	81	69	85	49	70	49		
	Male	41	1	5	8	10	5	3	8	2				
	Female	41	3	4	5	9	5	5	5					
1-44	I.—Infectious and parasitic diseases	540	33	45	57	104	104	66	75	25	21	10		
	White	273	18	24	29	59	54	27	31	15	10	6		
	Female	226	14	20	25	32	40	33	37	10	11	4		
	Male	19	1	1	2	6	4	2	5					
	Female	22	1	1	1	7	6	4	2					
15	Tuberculosis of the respiratory system, etc.	310	2	9	36	64	65	47	52	16	16	3		
	White	153	1	5	18	35	36	19	20	10	9	2		
	Female	128	1	5	16	19	22	24	27	6	7	1		
	Male	14		1	4	4	4	1	4					
	Female	15		1	1	6	3	3	1					
27	Dysentery	59	22	18	3	3	7	2	2	2				
	White	36	11	12	5	2	4		2	2				
	Female	21	10	6		3	2							
	Male	1			1									
	Female	1												
50	Syphilis	39	1	1	3	8	9	6	4	2	2	3		
	White	17		1	1	3	4	2	2	1	1	2		
	Female	20	1	2	2	5	4	4	1	1	1	1		
	Male													
	Female	2				1	1		1					
50b	General paralysis of the insane	7			1	1	2	1	1		1	1		
	White	4			1	1	2	1	1					
	Female	5			1									
	Male													
	Female													
50c	Other syphilis of the C.N.S.	5					2	1	1	1		1		
	White	1												
	Female	4					2	1	1	1		1		
	Male													
	Female													
50a, d-g	All others	27	1	1	2	7	5	4	4	1	1	1		
	White	12	1	1	1	2	2	2	2	1	1	1		
	Female	13	1	1	1	5	2	2	3	1	1	1		
	Male													
	Female	2				1	1		1					

TABLE 178.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown		
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59					
35	I.—Infectious and parasitic diseases—Continued															
	Influenza	55	6	7	6	6	9	5	9	2	1	4				
	White	50	4	2	5	3	3	4	3	2	2	2				
	Female	25	1	3	1	6	2	5	2	1	1	2				
37	All other															
	Male															
	Female															
	Acute infectious encephalitis (lethargic)	8			1	2	3	1	1	1						
45-57	White	2				2	1	1	4	7	14	8				
	Female	6			1	2	1	1	1							
	All other															
	Male															
46	Female															
	All others	69	2	10	9	22	12	3	7	2	2					
	White	35	1	4	5	14	7	1	3	2	2					
	Female	26	1	6	3	6	3	1	1	1	1					
56-71	All other	4				1	2	1	1							
	Male															
	Female															
	II.—Cancer and other tumors	41	1	1		2	1	4	4	7	14	8				
46	White	15														
	Female	26														
	Male															
	Female															
46	Cancer of the digestive organs, peritoneum	18														
	White	10														
	Female	8														
	Male															
56-71	All other															
	Male															
	Female															
	All others	25	1	1	1	1	1	2	4	9	4					
61	White	5	1	1		1	1	1	1	1	1	1	1	1	1	1
	Female	18														
	Male															
	Female															
61	III.—Ebenstium, diseases of nutrition, etc.	27	2	1	5	2	3	4	2	5	3	5				
	White	16	1	1	4	1	1	1	1	1	1	1	1	1	1	1
	Female	10														
	Male	1														
61	All other															
	Male															
	Female															
	Diabetes mellitus	9														
61	White	7														
	Female	2														



TABLE 178.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown			
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59						
84b	VI.—Diseases of the nervous system, etc.—Continued																
	Schizophrenia (dementia praecox)																
	White																
	Male																
	Female																
84c	All other																
	Manic-depressive psychosis	1															
	White																
	Male																
	Female																
84d	All other	1															
	Other mental diseases	2															
	White	2															
	Male																
	Female																
85	All other																
	Epilepsy	74															
	White	38															
	Male	29															
	Female	6															
	All other	1															
	White	86															
	Male	38															
	Female	45															
	All other	3															
90-103	VII.—Diseases of the circulatory system	188															
	White	90															
	Male	90															
	Female	1															
	All other	7															
	White	35															
	Male	11															
	Female	22															
	All other	2															
	Diseases of the myocardium	95															
White	55																
Male	57																
Female	3																
All other	5																
Male																	
Female																	





TABLE 178.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown	
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59				
122	IX.—Diseases of the digestive system—Continued Hernia and intestinal obstruction— White— Male— Female— All other— Male— Female— All others— White— Male— Female— All other— Male— Female—	18					3	4	1	4	1	4	3		
		12		1		1	1	3	1	4	1	4	3		
		4		1		1	1						2		
		1					1								
		1					1								
		50		3	10	6	3	5	9	4	4	7			
		25		1	3	2	3	2	3	2	3	3			
		22		2	4	3	1	2	4	2	4				
		2			1										
		1													
		1													
		130-139	X.—Diseases of the genito-urinary system—	38		1	7	5	3	3	3	4	14		
151	Chronic nephritis— White— Male— Female— All other— Male— Female— All others— White— Male— Female— All other— Male— Female—	19		1	6	1	1	1	1	1	5				
		18			1	2	2		2	1	2	8			
		1										1			
		1													
		25		1	6	2	1	1	1	1	1	4	10		
		13		1	5	1	1	1	1	1	1	3	6		
11				1	1					3	1				
1															
15															
6				1	1	1	2	2	3		4				
7				1	1	1	2	2	1	1	2	2			
140-150	XI.—Diseases of pregnancy, childbirth, etc.—	2						1	1						
151-155	White— Male— Female— All other— Male— Female— XII.—Diseases of the skin and cellular tissue— White— Male— Female— All other— Male— Female—	2													
		2				1	1								
		1													
		1													
		8		1	2	2						2	1		
		6			2	2						2	1		

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154-156	XIII.—Diseases of the bones, etc.	5	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
157	XIV.—Congenital malformations	56	17	15	9	4	5	1	5	1	—	—	—	—	—	—	—	—	—	—	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
159-161	IV.—Diseases peculiar to the first year of life	50	10	6	3	5	1	1	2	1	—	—	—	—	—	—	—	—	—	—	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
162	XVI.—Senility	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165-198	XVII.—Violent or accidental deaths	47	2	5	5	9	7	5	2	5	4	1	2	5	4	1	2	5	4	7	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165,164	Suicide	28	2	2	5	6	5	4	1	4	1	1	2	5	1	1	2	5	4	5	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
199,200	XVIII.—Ill-defined and unknown causes	32	1	5	4	11	2	1	7	1	1	1	1	1	1	1	1	1	1	1	—
	White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	All other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Female	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE 179.—DEATHS OF MENTAL DEFECTIVES IN STATE INSTITUTIONS, BY MENTAL STATUS AND SEX, BY SELECTED PRIMARY CAUSE OF DEATH: 1939

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH	ALL DEATHS		IDIOD		IMBECILE		MORON		UNDISTRIBUTED AND UNKNOWN		
		Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	All causes—	1,618	865	750	310	226	245	189	95	117	237	198
1-44	I.—Infectious and parasitic diseases—	540	292	246	101	85	82	72	27	46	82	45
15	Tuberculosis of the respiratory system, etc.—	310	167	143	51	45	51	46	17	29	48	25
27	Dysentery—	89	37	22	18	12	9	8	1	10	1	1
30	Syphilis—	39	17	22	3	7	6	6	3	5	5	4
30b	General paralysis of the insane—	7	4	3	1	1	1	1	1	1	2	—
30c	Other syphilis of the C.N.S.—	5	1	4	—	2	—	1	1	1	—	—
30a, d-g	All others—	27	12	15	2	4	5	4	2	3	3	4
30a, d-g	Influenza—	55	30	25	15	9	8	6	2	2	7	8
37	Acute infectious encephalitis (lethargic)—	8	2	6	15	1	—	—	2	5	2	2
	All others—	69	39	30	16	13	8	6	5	6	10	5
45-57	II.—Cancer and other tumors—	41	15	26	—	2	4	10	1	6	10	8
46	Cancer of the digestive organs, peritoneum—	18	10	8	—	—	3	4	—	3	7	1
	All others—	23	5	18	—	2	1	6	1	3	3	7
58-71	III.—Rheumatism, diseases of nutrition, etc.—	27	17	10	2	—	7	2	5	3	3	5
61	Diabetes mellitus—	9	7	2	—	—	4	—	2	1	1	1
69	Pellagra (except alcoholic)—	2	2	—	—	—	—	—	1	—	1	—
	All others—	16	8	8	2	—	3	2	2	2	1	4
72-76	IV.—Diseases of the blood, etc.—	7	4	3	—	—	1	3	1	—	2	—
75	Anemias (except splenic anemia)—	5	2	3	—	—	—	3	—	—	2	—
	All others—	2	2	—	—	—	1	—	1	—	—	—
77-79	V.—Chronic poisoning and intoxication—	—	—	—	—	—	—	—	—	—	—	—
80-89	VI.—Diseases of the nervous system, etc.—	220	110	110	46	40	26	51	9	8	27	51
85	Intracranial lesions of vascular origin—	37	18	19	6	7	5	5	2	1	5	6
84a	Mental deficiency—	20	8	12	4	7	1	5	—	—	3	—
84b	Schizophrenia (dementia praecox)—	—	—	—	—	—	—	—	—	—	—	—
84c	Manic-depressive psychosis—	1	—	1	—	—	—	—	—	1	—	—
84d	Other mental diseases—	2	2	—	—	—	—	—	1	—	1	—
85	Epilepsy—	74	44	30	19	12	17	9	3	2	5	7
	All others—	86	36	48	19	14	3	12	5	4	15	18

	188	91	97	24	25	34	26	10	17	25	29	
90-103	VII.—Diseases of the circulatory system.....											
92	35	11	24	1	3	5	2	1	6	6	13	
93	98	55	40	17	12	21	13	6	5	11	10	
94	14	9	5	2	—	3	4	2	1	2	—	
97	5	2	3	—	1	2	2	—	—	—	—	
	39	14	25	4	9	5	5	1	5	4	6	
104-114	VIII.—Diseases of the respiratory system.....											
	289	171	118	63	46	43	19	14	14	51	39	
107	148	51	57	45	25	20	11	6	6	22	15	
108	88	50	38	8	8	11	6	5	4	26	20	
111	—	—	—	—	—	—	—	—	—	—	—	
	55	50	25	12	13	12	2	3	4	3	4	
115-129	IX.—Diseases of the digestive system.....											
	115	72	41	26	10	20	8	8	10	18	13	
120	45	32	13	18	7	4	3	2	—	8	3	
122	18	13	5	4	—	7	1	—	2	2	2	
	50	27	23	4	3	9	4	6	8	6	6	
130-139	X.—Diseases of the genito-urinary system.....											
	58	20	18	4	2	5	6	7	4	4	6	
141	25	14	11	1	—	4	5	6	2	3	4	
	13	6	7	3	2	1	1	1	2	1	2	
140-150	XI.—Diseases of pregnancy, childbirth, etc.....											
	2	—	2	—	1	—	1	—	—	—	—	
151-153	XII.—Diseases of the skin and cellular tissue.....											
	8	7	1	4	—	2	1	—	—	1	—	
154-156	XIII.—Diseases of the bones, etc.....											
	3	3	—	—	—	1	—	1	—	1	—	
157	56	51	25	18	8	6	3	1	2	6	12	
158-161	XIV.—Congenital malformations.....											
	—	—	—	—	—	—	—	—	—	—	—	
162	2	1	1	1	—	—	—	—	—	—	1	
163-198	XV.—Diseases peculiar to the first year of life.....											
	47	29	18	7	3	10	2	6	5	6	8	
165,164	Suicide.....											
	2	1	1	—	—	—	—	—	—	1	—	
	45	28	17	7	3	10	2	6	4	5	6	
	—	—	—	—	—	—	—	—	—	—	—	
199,200	XVIII.—Ill-defined and unknown causes.....											
	52	20	12	12	4	2	5	3	2	3	1	

TABLE 180.—DEATHS OF EPILEPTICS IN STATE INSTITUTIONS, BY SEX, BY DURATION OF INSTITUTIONAL LIFE: 1939

DURATION OF INSTITUTIONAL LIFE	All deaths	Male	Female
Total	757	447	310
Less than 1 month	20	14	6
1 to 3 months	29	18	11
4 to 6 months	18	12	6
7 to 11 months	30	21	9
1 year	59	39	20
2 years	53	30	23
3 to 4 years	76	50	26
5 to 9 years	175	98	77
10 to 19 years	194	116	78
20 years and over	103	49	54
Unknown	---	---	---
Median duration of institutional life	7 yrs. 8.1 mos.	7 yrs. 0.2 mos.	8 yrs. 6.1 mos.

TABLE 181.—DEATHS OF MALE EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										
		Under 5	5-9	10-14	15-19	20-24 <sup>a</sup>	25-29	30-39	40-49	50-59	60 and over	Un-known
United States <sup>1</sup>	447	16	20	40	51	48	39	65	56	53	59	---
NEW ENGLAND <sup>1</sup>	24	2	2	4	4	3	2	4	1	2	---	---
Massachusetts <sup>1</sup>	19	2	2	4	2	1	2	3	1	2	---	---
Connecticut	5	---	---	---	2	2	---	1	---	---	---	---
MIDDLE ATLANTIC	144	4	10	17	14	16	11	17	20	14	21	---
New York	49	4	5	4	4	9	1	7	8	4	5	---
New Jersey	46	---	2	4	1	3	1	7	9	6	13	---
Pennsylvania	49	---	3	9	9	4	9	3	3	4	5	---
EAST NORTH CENTRAL <sup>1</sup>	116	1	3	3	15	11	8	16	16	21	22	---
Ohio	72	---	1	---	7	5	6	7	11	17	18	---
Illinois	25	1	1	---	6	4	1	7	2	---	3	---
Michigan	19	---	1	3	2	2	1	2	3	4	1	---
WEST NORTH CENTRAL	63	1	1	5	6	13	5	9	10	4	9	---
Minnesota	15	---	---	---	3	5	1	2	1	2	1	---
Iowa	7	---	---	2	---	---	---	2	1	1	1	---
Missouri	9	---	1	---	1	4	2	---	1	---	---	---
North Dakota	4	---	---	1	---	---	1	---	2	---	---	---
South Dakota	5	---	---	---	1	---	---	1	2	---	1	---
Nebraska	5	1	---	1	1	1	---	1	---	---	---	---
Kansas	18	---	---	1	---	3	1	3	3	1	6	---
SOUTH ATLANTIC <sup>1</sup>	26	---	---	3	3	4	3	7	2	1	3	---
Virginia	19	---	---	1	1	2	2	7	2	1	5	---
South Carolina	6	---	---	2	1	2	1	---	---	---	---	---
Florida	1	---	---	---	1	---	---	---	---	---	---	---
WEST SOUTH CENTRAL <sup>1</sup>	56	---	---	2	---	1	5	9	6	9	4	---
Louisiana	1	---	---	---	---	1	---	---	---	---	---	---
Oklahoma	2	---	---	---	---	---	1	1	---	---	---	---
Texas <sup>1</sup>	33	---	---	2	---	---	4	8	6	9	4	---
MOUNTAIN <sup>1</sup>	7	2	1	1	1	---	1	1	---	---	---	---
Montana	1	---	---	1	---	---	---	---	---	---	---	---
Colorado	5	1	1	---	1	---	1	1	---	---	---	---
Utah	1	1	---	---	---	---	---	---	---	---	---	---
PACIFIC	31	6	3	5	8	---	4	2	1	2	---	---
Washington	16	5	1	4	4	---	2	---	---	---	---	---
California	15	1	2	1	4	---	2	2	1	2	---	---

<sup>1</sup>Incomplete reporting, see footnote to table 156.

MENTAL DEFECT AND EPILEPSY

TABLE 182.—DEATHS OF FEMALE EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	All ages	AGE (IN YEARS)										Un-known
		Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over	
United States <sup>1</sup>	510	7	11	20	29	41	54	56	54	54	44	—
NEW ENGLAND <sup>1</sup>	26	2	2	2	4	5	1	4	2	5	1	—
New Hampshire	1	—	—	—	1	—	—	—	—	—	—	—
Massachusetts <sup>1</sup>	22	2	2	2	3	4	1	2	2	3	1	—
Connecticut	3	—	—	—	—	1	—	2	—	—	—	—
MIDDLE ATLANTIC	67	—	2	5	8	12	11	12	8	4	5	—
New York	32	—	1	2	5	7	4	5	5	2	5	—
New Jersey	17	—	—	2	1	3	1	5	1	2	2	—
Pennsylvania	18	—	1	1	4	2	6	2	2	—	—	—
EAST NORTH CENTRAL <sup>1</sup>	96	1	3	4	8	7	8	16	10	14	25	—
Ohio	54	—	2	1	4	1	5	9	6	10	16	—
Illinois	17	1	1	—	3	1	1	4	2	3	1	—
Michigan	23	—	—	3	1	5	2	1	2	1	8	—
Wisconsin	2	—	—	—	—	—	—	2	—	—	—	—
WEST NORTH CENTRAL	44	1	1	1	4	6	7	4	4	6	10	—
Minnesota	10	1	—	—	3	1	2	—	1	—	2	—
Iowa	9	—	1	1	—	1	1	2	—	2	1	—
Missouri	5	—	—	—	—	1	1	1	—	—	—	—
North Dakota	1	—	—	—	—	1	—	—	—	—	—	—
South Dakota	1	—	—	—	—	—	—	—	1	—	—	—
Nebraska	2	—	—	—	1	1	—	—	—	—	—	—
Kansas	18	—	—	—	—	1	3	1	2	4	7	—
SOUTH ATLANTIC <sup>1</sup>	22	—	2	3	2	3	3	2	4	3	—	—
Dist. of Columbia	3	—	—	2	—	1	—	—	—	—	—	—
Virginia	14	—	1	—	1	1	3	1	4	3	—	—
North Carolina	1	—	—	—	1	—	—	—	—	—	—	—
South Carolina	2	—	—	1	—	—	—	1	—	—	—	—
Florida	2	—	1	—	—	1	—	—	—	—	—	—
WEST SOUTH CENTRAL <sup>1</sup>	29	1	—	—	3	2	3	11	5	2	2	—
Louisiana	2	—	—	—	1	—	—	—	—	1	—	—
Oklahoma	7	1	—	—	2	1	—	1	2	—	—	—
Texas <sup>1</sup>	20	—	—	—	—	1	3	10	3	1	2	—
MOUNTAIN <sup>1</sup>	5	1	—	1	—	2	—	—	—	—	1	—
Wyoming	1	—	—	—	—	—	—	—	—	—	1	—
Colorado	4	1	—	1	—	2	—	—	—	—	—	—
PACIFIC	21	1	1	4	—	4	1	7	1	2	—	—
Washington	12	1	—	1	—	4	1	4	—	1	—	—
California	9	—	1	3	—	—	—	3	1	1	—	—

<sup>1</sup> Incomplete reporting, see footnote to table 186.

TABLE 165.—DEATHS OF EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)											60 and over	Unknown
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	87	103		
	All causes-----	757	25	51	60	80	89	73	121	90	87	103			
	White-----	425	15	17	36	47	43	39	64	55	51	58			
	Female-----	300	7	11	19	28	37	33	55	34	34	44			
	Male-----	22	1	3	4	4	5	1	1	1	2	1			
	All other-----	10			1	1	4	1	3						
1-44	I.—Infectious and parasitic diseases-----	119	4	8	12	20	20	16	22	9	6	2			
	White-----	58	4	5	7	9	7	6	12	5	3				
	Female-----	56	2	2	4	9	13	10	10	4	3	1			
	Male-----	4		1		2						1			
	All other-----	1			1										
13	Tuberculosis of the respiratory system, etc.-----	76	1	3	7	14	14	14	13	6	3	1			
	White-----	35	1	1	4	8	5	6	6	3	1				
	Female-----	39		1	3	5	9	8	7	3	2	1			
	Male-----	2		1		1									
	All other-----														
27	Dysentery-----	3	1			2									
	White-----	2	1			1									
	Female-----	1				1									
	All other-----														
	Male-----														
	Female-----														
30	Syphilis-----	9			1	1	1	1	4	1	1				
	White-----	5													
	Female-----	5													
	Male-----	1			1	1	1	1	2			1			
	All other-----														
	Male-----														
	Female-----														
30b	General paralysis of the insane-----	1							1						
	White-----	1							1						
	Female-----														
	Male-----														
	All other-----														
	Male-----														
	Female-----														
30c	Other syphilis of the C.N.S.-----	4						1	2	1					
	White-----	2						1	1						
	Female-----	2						1	1						
	Male-----														
	All other-----														
	Male-----														
	Female-----														





TABLE 163.—DEATHS OF EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown			
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59						
69	III.—Rheumatism, diseases of nutrition, etc.—Continued																
	Pellagra (except alcoholic)	1										1					
	White																
	Female	1										1					
72-76	All other																
	Female																
	All others	2			1												
	White	2			1												
75	All other																
	Female																
	All other																
	Female																
77-79	IV.—Diseases of the blood, etc.	3															
	White	1															
	Female	2															
	All other																
80-89	V.—Chronic poisoning and intoxication																
	White	2															
	Female	2															
	All other																
85	VI.—Diseases of the nervous system, etc.	325	10	12	84	51	40	56	58	45	50	29					
	White	190	6	8	19	22	19	20	28	32	19	17					
	Female	117	4	3	11	6	15	16	26	12	10	12					
	All other	12		1	1	3			1	1	1						
88	Intracranial lesions of vascular origin	6															
	White	21															
	Female	12															
	All other	7															

84a	Mental deficiency	1	1	1																						
	White	1																								
	Female																									
	All other																									
85	Epilepsy	268	9	32	29	36	35	54	19	27	39															
	White	170	6	19	20	18	17	26	27	16	27															
	Female	108	3	10	8	18	16	24	11	8	11															
	All other																									
	White																									
	Female																									
	All others	15	5	2	2	1	5	1	2																	
	White	7	1																							
	Female	7	1																							
	All other	1																								
	White																									
	Female																									
90-105	VII.—Diseases of the circulatory system	71		2	2	5	2	6	9	15	9															
	White	45		1	1	2	2	4	5	15	5															
	Female	24																								
	All other	2				1			6	2																
	White																									
	Female																									
92	Chronic affections of the valves, endocardium	5																								
	White	5																								
	Female	5																								
	All other	2																								
	White																									
	Female																									
95	Diseases of the apocardiium	55			2	2	2	5	7	8	7															
	White	31		1	1	1	2	2	2	2	2															
	Female	20						1	2	6	5															
	All other	2			1	1		1		2																
	White																									
	Female																									
96	Diseases of the coronary arteries, ungina pectoris	7																								
	White	7																								
	Female																									
	All other																									
	White																									
	Female																									
97	Arteriosclerosis	1																								
	White	1																								
	Female																									
	All other																									
	White																									
	Female																									
	All others	5				2			1																	
	White	5				1																				
	Female	5				1			1																	
	All other	2																								
	White																									
	Female																									

TABLE 183.—DEATHS OF EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX: 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)												
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over	Unknown		
104-114	VIII.—Diseases of the respiratory system—	110	7	9	9	12	11	10	15	12	10	15	10	15	
	White—	57	4	4	7	8	7	6	8	2	3	8	3	8	
	Female—	51	3	4	2	4	3	4	4	10	7	7	7	7	
	Male—	2	1	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
107	Bronchopneumonia (including capillary bronchitis)—	71	7	6	4	7	6	6	10	9	5	11	5	11	
	White—	35	4	3	3	4	4	4	4	7	1	5	5	5	
	Female—	36	3	3	1	3	2	2	3	8	5	6	5	6	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
108	Lobar pneumonia—	32	—	2	4	5	5	4	4	1	4	3	4	3	
	White—	21	1	1	4	4	3	2	1	1	3	2	1	3	
	Female—	9	—	—	1	1	1	2	3	—	1	1	1	1	
	Male—	2	1	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
111	Hemorrhagic infarction, thrombosis, edema, etc.—	2	—	—	—	—	—	—	—	—	—	—	—	—	
	White—	1	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	1	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
115-129	IX.—Diseases of the digestive system—	20	1	1	—	1	3	1	5	3	3	3	3	2	
	White—	15	1	—	—	—	1	2	1	1	4	3	1	2	
	Female—	5	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
120	Diarrhea, enteritis, etc.—	4	1	1	—	—	—	—	—	—	—	—	—	—	
	White—	1	1	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Male—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Female—	—	—	—	—	—	—	—	—	—	—	—	—	—	



TABLE 183.—DEATHS OF EPILEPTICS IN STATE INSTITUTIONS, BY AGE, BY SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX; 1939—Continued

Int. List No.	SELECTED PRIMARY CAUSE OF DEATH, RACE, AND SEX	All ages	AGE (IN YEARS)										60 and over	Unknown		
			Under 5	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60 and over				
182	XVI.—Senility	2													2	
	White															
	All other	2													2	
185-196	XVII.—Violent or accidental deaths	41		1		5	5	6	4	6	6	8				
	White	27			3	3	4	4	4	5	4	4				
	All other	12	1		2	1	1	1	1	1	2	2			4	
185,184	Suicide	2														
	White	6														
	All other	6														
199,200	All others	85		1	5	4	4	4	2	2	2	2	5	6	8	
	White	21			3	2	2	2	2	2	2	2	4	4	4	
	All other	12	1		2	1	1	1	1	1	1	1	1	2	4	
	XVIII.—Ill-defined and unknown causes	2				1	1									

**Overcrowding.**—In 1939 the normal capacity of State institutions for mental defectives and epileptics reporting these data was 92,424. This was a decrease from the rated capacity of 93,388 reported in the previous year, because of lack of data from 7 State institutions. Omitting these 7 institutions from the 1938 data there was a rated capacity for 87,973 patients in that year; consequently, 1939 data showed an increase of 4,451 in capacity, or 5.1 percent. There were 97,680 patients cared for in the institutions reporting, and the excess of population over capacity was 5.7 percent. There is considerable interstate variation in the degree of institutional overcrowding. For instance, the institution in Rhode Island showed the highest proportion of overcrowding, 40.0 percent, as in the previous year when the overcrowding was 33.9 percent. Colorado's institution was only 71.1 percent occupied. Excessive overcrowding may indicate a temporary condition to be alleviated by construction under way; however, it should be borne in mind when making interstate comparison that there is no uniform measure for determination of rated capacity.

It would be desirable if the rated capacity set apart for the care of mentally defective patients and for epileptic patients could be determined separately. Since there are many institutions in the country caring for both types of patients, complete separation has not been possible. However, on the basis of the diagnosis of resident patient population, data have been presented separately for mental defectives and epileptics, after arbitrarily adopting the following conditions:

1. An institution shall be designated as caring for mental defectives when less than 10 percent of its patient population is diagnosed primarily as epileptic.
2. An institution shall be designated as caring for epileptics when less than 10 percent of its patient population is diagnosed primarily as mentally defective.
3. An institution shall be considered as caring for both mental defectives and epileptics if 10 percent or more of either diagnosis makes up its patient population. Such institutions have been grouped separately.

A similar division of institutions, into those that may be considered mentally defective or epileptic or as caring for a combined mentally defective and epileptic patient population, was made in 1938. However, the same institutions were not included in each of these groups for 1938 as for the present data. The determination of the institutions to be included in each break-down was based on the distribution of patient population in institutions at the end of the year. Institutions included as epileptic in the tables dealing with overcrowding will also be included as epileptic in the personnel and expenditure sections that follow, and, similarly, for the other groups of institutions.

On this basis 47 institutions were considered as caring for mental defectives. They had a normal capacity of 57,035 and an average daily resident patient population of 61,219. The excess of population over capacity was 7.3 percent. The severest overcrowding occurred in Massachusetts (28.7 percent), Rhode Island (40.0 percent), Wisconsin (28.7 percent), Kentucky (30.2 percent), Tennessee (25.8 percent), and California (30.7 percent). The greatest degree of underoccupancy among those institutions reporting occurred in Montana and Virginia, where only 62.4 percent and 63.2 percent, respectively, were occupied.

Eight institutions have been considered as caring solely for epileptics. Their normal capacity was 9,289, and they cared for 10,582 patients. The excess of population over capacity was 13.9 percent, almost double the excess of population over capacity reported in 1938 in epileptic institutions (7.1 percent). The severest overcrowding reported occurred in Massachusetts (36.6 percent) and Michigan (43.3 percent), while the lowest degree of occupancy occurred in Texas (97.8 percent occupied).

There were 21 institutions considered as caring for both mental defectives and epileptics. Their normal capacity was 26,100, and they cared for 25,879 patients. These institutions showed a slight degree of underoccupancy (0.8 percent). Many of the State institutions providing combined facilities for mentally defective and epileptic patients were underoccupied. There are several

possible explanations. It may be that in some of these States the provision of facilities was so much better than in those States where mental defective and epileptic institutions are separate, that the institutions are underoccupied in spite of the fact that they care for both types of patients. Other States were probably not doing as complete a job of hospitalization and were consequently barring admission to some individuals who needed care.

TABLE 184.—AVERAGE RESIDENT PATIENT POPULATION AND NORMAL CAPACITY OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES,<sup>1</sup> BY DIVISIONS AND STATES: 1939

(A minus sign (-) denotes excess of capacity over population. Percent not shown where base is less than 100)

DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY		DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY	
			Number	Percent				Number	Percent
United States—	61,219	57,035	4,184	7.3	WEST NORTH CENTRAL— Continued				
NEW ENGLAND—	7,869	6,616	1,253	18.9	Nebraska—	1,358	1,381	-23	-1.7
Maine—	1,074	1,110	-36	-3.2	Kansas—	1,199	1,317	-118	-9.0
New Hampshire—	614	616	-2	-0.3	SOUTH ATLANTIC—	1,121	1,400	-279	-19.9
Vermont—	321	382	-61	-16.0	Virginia—	158	250	-92	-36.8
Massachusetts—	5,153	4,003	1,150	28.7	North Carolina—	650	800	-150	-18.8
Rhode Island—	707	505	202	40.0	Georgia—	313	350	-37	-10.6
MIDDLE ATLANTIC—	21,068	19,545	1,523	7.8	EAST SOUTH CENTRAL—	2,368	2,256	112	5.0
New York—	16,762	15,390	1,372	8.9	Kentucky—	750	576	174	30.2
New Jersey—	3,600	3,490	110	3.2	Tennessee—	629	500	129	25.8
Pennsylvania—	706	665	41	6.2	Alabama—	650	830	-180	-21.7
EAST NORTH CENTRAL—	18,855	17,448	1,387	7.9	Mississippi—	339	350	-11	-3.1
Ohio—	5,406	4,923	483	9.8	MOUNTAIN—	1,185	1,452	-267	-18.4
Indiana—	1,945	1,900	45	2.4	Montana—	468	750	-282	-37.6
Illinois—	4,184	4,692	-508	-10.8	New Mexico—	73	80	-7	—
Michigan—	4,995	4,142	853	20.6	Utah—	644	622	22	3.5
Wisconsin—	2,305	1,791	514	28.7	PACIFIC—	1,953	1,720	233	13.5
WEST NORTH CENTRAL—	6,820	6,598	222	3.4	Oregon—	1,012	1,000	12	1.2
Minnesota—	2,473	2,250	223	9.9	California—	941	720	221	30.7
Iowa—	1,790	1,650	140	8.5					

<sup>1</sup> This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as mentally defective.

TABLE 185.—AVERAGE RESIDENT PATIENT POPULATION AND NORMAL CAPACITY OF STATE INSTITUTIONS FOR EPILEPTICS,<sup>1</sup> BY DIVISIONS AND STATES: 1939

(A minus sign (-) denotes excess of capacity over population. Percent not shown where base is less than 100)

DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY		DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY	
			Number	Percent				Number	Percent
United States—	10,582	9,289	1,293	13.9	EAST NORTH CENTRAL—	3,071	2,690	381	14.2
NEW ENGLAND—	1,000	732	268	36.6	Ohio—	2,069	1,991	78	3.9
Massachusetts—	1,000	732	268	36.6	Michigan—	1,002	699	303	43.5
MIDDLE ATLANTIC—	4,320	3,757	563	15.0	WEST NORTH CENTRAL—	871	760	111	14.6
New York—	2,331	1,990	341	17.1	Kansas—	871	760	111	14.6
New Jersey—	1,544	1,327	217	16.4	WEST SOUTH CENTRAL—	1,320	1,350	-30	-2.2
Pennsylvania—	445	440	5	1.1	Texas—	1,320	1,350	-30	-2.2

<sup>1</sup> This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as epileptic.

TABLE 186.—AVERAGE RESIDENT PATIENT POPULATION AND NORMAL CAPACITY OF STATE INSTITUTIONS FOR BOTH MENTAL DEFECTIVES AND EPILEPTICS,<sup>1</sup> BY DIVISIONS AND STATES: 1939

(A minus sign (-) denotes excess of capacity over population. Percent not shown where base is less than 100)

DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY		DIVISION AND STATE	Average daily resident patient population	Normal capacity of institutions	EXCESS OF POPULATION OVER CAPACITY	
			Number	Percent				Number	Percent
United States	25,879	26,100	-221	-0.8	SOUTH ATLANTIC	3,625	3,569	54	1.5
NEW ENGLAND	1,171	1,200	-29	-2.4	Delaware	428	475	-47	-9.9
Connecticut	1,171	1,200	-29	-2.4	Dist. of Columbia	578	546	32	5.9
MIDDLE ATLANTIC	4,721	4,226	495	11.7	Virginia	1,359	1,368	-9	-0.7
Pennsylvania	4,721	4,226	495	11.7	South Carolina	724	630	94	14.9
EAST NORTH CENTRAL	5,602	4,242	-640	-15.1	Florida	534	550	-16	-2.9
Illinois	5,602	4,242	-640	-15.1	WEST SOUTH CENTRAL	1,840	1,850	-10	-0.5
WEST NORTH CENTRAL	5,532	6,057	-525	-8.7	Louisiana	790	750	40	5.3
Minnesota	1,065	1,108	-43	-3.9	Oklahoma	1,050	1,100	-50	-4.5
Iowa	1,419	1,438	-19	-1.3	MOUNTAIN	1,024	1,226	-202	-16.5
Missouri	1,509	1,676	-167	-10.0	Wyoming	366	301	65	21.6
North Dakota	691	1,135	-244	-21.5	Colorado	659	925	-267	-28.9
South Dakota	646	700	-52	-7.4	PACIFIC	4,366	3,730	636	17.1
					Washington	1,497	1,563	-66	-4.2
					California	2,869	2,167	702	32.4

<sup>1</sup> This table includes only those institutions having 10 percent or more of the patients resident at the end of the year diagnosed as either mentally defective or epileptic.

**Administrative staff.**—In 1939 there were 15,769 employees in State institutions for mental defectives and epileptics. The total number was smaller than that reported for 1938, when the number employed was 16,006. When the 7 institutions that did not report 1939 data are excluded from the comparison in both years, there were 15,369 employees in 1938 as compared with 15,769 in 1939, an increase of 400 employees in these institutions. In the institutions reporting in both years, there was a total ratio of 6.2 patients to each officer and employee in 1939, as in 1938 and 1937. There was a slight increase in patient load on total physicians. The ratio in 1939 was 287.6 patients per physician as compared with 285.3 in 1938. These figures include superintendents, assistant superintendents, assistant physicians, medical internes, clinical assistants, pathologists, and other staff physicians. Perhaps the comparison afforded by the inclusion of superintendents in this ratio is not entirely adequate, because of the large amount of time they must spend in administrative activities.

There was an increase from 42 to 46 psychologists in 1939 over the previous year. Undoubtedly the increase would be still greater if the number of psychologists in the institutions that did not report was available. The number of graduate nurses increased from 393 to 411. The entire nursing personnel of the institution is included in the five categories, graduate nurses, other nurses, matrons and assistant matrons, supervisors and assistant supervisors, and attendants. There were 8,787 of these employees at the end of 1939, as compared with 9,145 the previous year.

The duties of the personnel vary considerably from institution to institution. In some cases the psychologist may be required to perform only routine psychometric examinations, and in other cases his duties may be much more varied and complex. There are many institutions that do not employ either psychologists or dentists. A few institutions are small and maintain no physician other than the superintendent on the staff. Evaluation of the amount of therapeutic



treatment a patient receives in an institution where the only medical official is responsible for the administration of the institution, as well as for the welfare of its individual patients, is difficult. Consequently, the only personnel ratio that has been employed in this report for interstate comparison is the ratio of patients to total personnel.

The ratio of total numbers of patients to all officers and employees varied widely. In Massachusetts the ratio was 3.9 while in Nebraska it was 12.5. This figure represents a rough measure of the amount of training or care that a patient receives.

There were 46 psychologists reported by 15 States. Their activities may not reach some patients hospitalized in States where the psychologists are employed in institutions other than those in which the patients reside. Social workers were employed in 22 States. Southern and Mountain States were most lacking in this type of personnel.

Data on administrative personnel are presented in a manner similar to that adopted in the section dealing with capacity. Three separate tables give data for institutions grouped as mentally defective, as epileptic, and as institutions whose patient population is a combination of both types.

The patient load on total personnel was lowest in institutions caring solely for epileptics, probably because this type of patient requires more constant nursing care. The patient ratio is slightly heavier, 6.1, in institutions caring entirely for mental defectives and highest of all, 7.3, in institutions caring for both types of patients. Many States do not have a sufficiently large epileptic patient population to establish separate institutions for patients of that diagnosis. The patient ratios in those institutions entirely epileptic are lower in every State but Pennsylvania than in the institutions for mental deficiency in the same State.

In addition to full-time personnel, 109 officers and employees were reported to be employed part time. In the entire country there were vacancies for 27 physicians, 4 medical internes, and one clinical assistant. A vacancy has been defined as a position for which funds are available but which has not been filled. There were 25 dentists on part-time basis, as well as 10 teachers of special subjects, and 13 attendants.

TABLE 187.—ADMINISTRATIVE STAFF OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES,<sup>1</sup> BY OCCUPATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	OFFICERS AND EMPLOYEES														Average daily resident population	Number of patients to each officer and employee			
	All employees	Superintendents	Assistant physicians	Medical interns and clinical assistants	Psychologists	Resident dentists	Pharmacists	Principals and teachers	Occupational therapists	Social workers	Graduate nurses	Other nurses	Matrons and supervisors	Attendants			Stewards or business managers	Clearing employees	All other employees
United States	10,052	45	127	29	36	26	5	505	58	52	239	72	801	4,559	44	440	3,014	81,048	6.1
NEW ENGLAND	1,656	7	30	4	7	3	2	89	21	10	26	1	111	810	9	77	429	7,869	4.8
Maine	201	1	3					15		1	14		7	76		12	75	1,074	5.5
New Hampshire	124	1	2					7			3			46	2	5	58	614	5.0
Vermont	52	1	2					5			3		7	17		3	15	321	6.2
Massachusetts	1,151	3	22	4	7	3	2	57	21	8	5	1	91	610	5	54	258	5,155	4.5
Rhode Island	108	1	1					5		1	1		6	62	1	3	27	707	6.5
MIDDLE ATLANTIC	4,063	12	40	18	12	10		177	15	25	116	8	455	1,911	15	183	1,070	21,068	5.2
New York	3,546	7	27	17	7	8		142	7	18	91	7	374	1,647	10	143	861	16,762	5.0
New Jersey	587	4	9	1	4	1		31	6	4	21	1	67	212	4	34	158	3,600	6.5
Pennsylvania	140	1	4		1	1		4	2	1	4		12	52	1	6	51	706	5.0
EAST NORTH CENTRAL	2,656	10	35	5	15	6	2	142	16	14	59	30	116	1,129	9	125	948	18,664	7.0
Ohio	546	3	8		1	1		28	1	2	6		32	259	1	12	192	5,406	9.9
Indiana	246	1	2					20	4	1	2		12	82		14	91	1,945	7.9
Illinois	474	1	12	2	2	1	1	9	7		22		3	198	1	21	187	4,015	8.5
Michigan	965	3	9	1	6	2	1	63	3	10	24	2	52	398	4	65	320	4,995	5.2
Wisconsin	425	2	4		2	2		22	3	1	4	9	13	192	2	11	158	2,505	5.4
WEST NORTH CENTRAL	809	4	10		1	2	1	46	1	2	21	24	39	526	4	27	302	6,820	8.4
Minnesota	355	1	4			1		21		1	8	15	8	159	1	11	125	2,475	7.0
Iowa	254	1	3		1	1	1	17		1	11	7	17	81	1	8	104	1,790	7.0
Nebraska	109	1	2					6	1				3	45	1	5	45	1,558	12.5
Kansas	93	1	1					2			2	2	11	40	1	3	30	1,199	12.9
SOUTH ATLANTIC	189	3	1	1	1	1		9			1	7	48	19	2	5	61	1,121	7.1
Virginia	18	1						1						3	1	1	11	158	8.8
North Carolina	103	1	1			1		7			1	7	36	12	1	2	84	650	6.3
Georgia	58	1		1	1			1					12	4		2	16	315	8.2

TABLE 187.—ADMINISTRATIVE STAFF OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES,<sup>1</sup> BY OCCUPATION, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	OFFICERS AND EMPLOYEES																Average daily resident patient population	Number of patients to each officer and employee	
	All employees	Superintendents	Assistant physicians	Medical internes and clinical assistants	Psychologists	Resident dentists	Pharmacists	Principals and teachers	Occupational therapists	Social workers	Graduate nurses	Other nurses	Matrons and supervisors	Attendants	Stewards or business managers	Clerical employees			All other employees
EAST SOUTH CENTRAL	505	4	4	2	1	3	15	2	2	1	4	---	23	166	3	6	69	2,368	7.8
Kentucky	113	1	2	---	1	2	6	2	1	3	---	---	9	49	1	2	34	750	6.6
Tennessee	60	1	1	2	---	---	1	---	---	---	---	---	4	24	---	2	25	629	10.5
Alabama	102	1	1	1	---	---	5	---	---	1	---	---	3	86	1	1	2	650	6.4
Mississippi	28	1	---	---	---	---	3	---	---	---	---	---	7	7	1	1	8	339	12.1
MOUNTAIN	144	5	2	---	---	---	17	---	---	1	5	---	5	62	1	4	44	1,185	8.2
Montana	55	1	1	---	---	---	7	---	---	---	3	---	1	18	---	2	22	468	8.5
New Mexico	11	1	---	---	---	---	1	---	---	---	---	---	2	4	---	---	3	73	6.6
Utah	78	1	1	---	---	---	9	---	---	1	2	---	2	40	1	2	19	644	8.3
PACIFIC	282	2	5	1	1	1	10	1	1	1	8	2	6	137	1	15	91	1,953	6.9
Oregon	120	1	1	---	---	1	7	---	---	---	2	1	2	56	---	2	47	1,012	8.4
California	162	1	4	1	1	---	3	1	1	1	6	1	4	81	1	13	44	941	5.8

<sup>1</sup> This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as mentally defective.

TABLE 188.—ADMINISTRATIVE STAFF OF STATE INSTITUTIONS FOR EPILEPTICS,<sup>1</sup> BY OCCUPATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	OFFICERS AND EMPLOYEES									
	All employees	Superintendents	Assistant physicians	Medical internes and clinical assistants	Psychologists	Resident dentists	Pharmacists	Principals and teachers	Occupational therapists	Social workers
United States	2,187	8	46	—	2	6	3	8	9	6
NEW ENGLAND	417	1	7	—	—	1	1	2	4	2
Massachusetts	417	1	7	—	—	1	1	2	4	2
MIDDLE ATLANTIC	888	3	21	—	—	2	1	1	2	1
New York	493	1	10	—	—	1	1	—	1	—
New Jersey	289	1	10	—	—	1	—	1	1	1
Pennsylvania	86	1	1	—	—	—	—	—	—	—
EAST NORTH CENTRAL	546	2	12	—	2	2	—	1	2	2
Ohio	333	1	8	—	1	1	—	1	1	—
Michigan	215	1	4	—	1	1	—	—	1	2
WEST NORTH CENTRAL	148	1	2	—	—	—	—	3	—	—
Kansas	148	1	2	—	—	—	—	3	—	—
WEST SOUTH CENTRAL	208	1	4	—	—	1	1	1	1	1
Texas	208	1	4	—	—	1	1	1	1	1

DIVISION AND STATE	OFFICERS AND EMPLOYEES—Continued							Average daily resident patient population	Number of patients to each officer and employee
	Graduate nurses	Other nurses	Matrons and supervisors	Attendants	Stewards or business managers	Clerical employees	All other employees		
United States	86	48	77	967	8	75	838	10,582	4.8
NEW ENGLAND	21	47	12	175	2	13	131	1,000	2.4
Massachusetts	21	47	12	175	2	13	131	1,000	2.4
MIDDLE ATLANTIC	58	—	36	379	3	34	327	4,320	5.0
New York	50	—	11	225	1	12	180	2,331	4.7
New Jersey	7	—	17	123	1	17	109	1,544	5.3
Pennsylvania	1	—	8	31	1	5	38	445	5.2
EAST NORTH CENTRAL	5	—	18	268	2	21	209	3,071	5.6
Ohio	—	—	8	174	1	7	130	2,069	6.2
Michigan	5	—	10	94	1	14	79	1,002	4.7
WEST NORTH CENTRAL	—	—	5	47	1	3	86	871	5.9
Kansas	—	—	5	47	1	3	86	871	5.9
WEST SOUTH CENTRAL	2	1	6	100	—	4	85	1,320	6.3
Texas	2	1	6	100	—	4	85	1,320	6.3

<sup>1</sup> This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as epileptic.

TABLE 189.—ADMINISTRATIVE STAFF OF STATE INSTITUTIONS FOR BOHEMIAL DEFECTIVES AND EPILEPTICS,<sup>1</sup> BY OCCUPATION, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	OFFICERS AND EMPLOYERS													Average daily resident patient population	Number of patients to each officer and employee				
	All employ-ees	Super-intend-ents	Asst-ant phys-icians	Medical interns and clinical assist-ants	Psy-cho-log-ists	Resi-dent den-tists	Phar-ma-cists	Prin-cipals and teach-ers	Occu-pa-tional thera-pists	Soc-ial work-ers	Grad-u-ate nurses	Other nurses	Matrons and super-visors			At-tend-ants	Stewards or busi-ness manag-ers	Cler-ical employ-ees	All other employ-ees
United States	5,550	20	61	5	6	15	4	151	54	20	66	56	173	1,643	20	127	1,129	25,879	7.3
NEW ENGLAND	276	1	5			1		7	4	5			5	133	1	9	105	1,171	4.2
Connecticut	276	1	5			1		7	4	5			5	133	1	9	105	1,171	4.2
MIDDLE ATLANTIC	627	1	13		1	2		38	4	5	14		19	219	2	21	290	4,721	7.5
Pennsylvania	627	1	13		1	2		38	4	5	14		19	219	2	21	290	4,721	7.5
EAST NORTH CENTRAL	467	1	13	2	2	2	1	7	9		35	1	2	224	1	20	147	3,602	7.7
Illinois	467	1	13	2	2	2	1	7	9		35	1	2	224	1	20	147	3,602	7.7
WEST NORTH CENTRAL	741	5	12		2	4	1	40	8	3	10	10	25	332	7	28	254	5,532	7.5
Minnesota	147	1	2			1		6	3		1	7	2	88	1	5	50	1,085	7.2
Iowa	190	1	4		1	2	1	9	2		4		5	87	2	9	63	1,419	7.5
Missouri	181	1	3					10	5		2		8	89	1	5	89	1,809	8.3
North Dakota	135	1	2					9		1	2	3	7	46	2	4	58	861	6.6
South Dakota	88	1	1		1	1		6		2	1	1	3	22	1	5	44	648	7.4
SOUTH ATLANTIC	502	5	6		2	2		29	3	2	11	4	88	202	4	18	128	5,628	7.2
Delaware	78	1						4	1	1	3		11	26	1	4	26	428	5.5
Dist. of Columbia	115	1	1		1	1	1	9	1		2		21	42		5	31	578	5.0
Virginia	121	1	3		1			4	1	1	2	4	5	62	1	3	35	1,359	11.2
South Carolina	101	1	1			1		10			3		49	24	1	2	9	724	7.2
Florida	87	1	1					2			1		4	48	1	2	27	534	6.1
WEST SOUTH CENTRAL	221	2	5	1		1	1	8	5		4		16	130	2	5	43	1,840	8.3
Louisiana	136	1	2	1		1	1	5	4		1		3	88	1	3	25	790	5.8
Oklahoma	85	1	1					5	1		3		13	42	1	2	18	1,060	12.4
MOUNTAIN	151	5						5			3	4	6	69	2	5	52	1,024	6.8
Wyoming	46	1						4			1	1	1	21		2	15	366	8.0
Colorado	106	2						1			2	5	7	48	2	3	37	658	6.5
PACIFIC	545	2	9		1	3	1	17	1	7	9	17	10	334	1	23	110	4,566	8.0
Washington	145	1	2			1	1	7		1	2		1	100		5	25	1,497	10.3
California	400	1	7		1	2	1	10	1	6	7	17	9	254	1	18	85	2,869	7.2

<sup>1</sup> This table includes only those institutions having 10 percent or more of the patients resident at the end of the year diagnosed as either mentally defective or epileptic.

**Expenditures.**—In 1939, in the country as a whole, \$28,136,978 was spent for maintenance of patients in the State institutions for mental deficiency and epilepsy reporting in that year, and an additional \$8,064,986 was spent for additions and improvements. This latter amount is almost double the amount spent for additions and improvements in the previous year, in spite of the fact that the data were not received from as many institutions as were included in the 1938 report. The total per capita cost of maintenance was \$288.05 in 1939, as compared with \$283.43 in 1938, an increase of 1.6 percent. This may be compared with an increase of 7.5 percent from 1936 to 1937, and of 1.7 percent from 1937 to 1938.

Variation in per capita cost of maintenance throughout the States is considerable. The maintenance expenditure per patient was highest in New England (\$362.26) and in the Middle Atlantic States (\$345.29). Obviously, the high patient-personnel ratios in the Southern and Western States, indicated in the previous tables, are a direct reflection of the small amount of money at the disposal of the institution superintendents. The lowest per capita expenditure, \$135.20, was in Tennessee, and the highest, \$396.15, was in Connecticut.

The distribution of institutions for mental defectives and for epileptics, and of institutions caring for both types of patient, given in the sections reporting overcrowding and personnel, are also used for reporting expenditures. The per capita expenditure for maintenance in institutions for epileptics was \$322.94, as compared with \$298.54 in institutions for mental defectives, and \$248.97 in institutions for both types of patient, as shown in chart 10. In institutions for epileptics the increase over the amount spent in 1938, \$315.37, was 2.4 percent. In institutions for mental defectives the expenditure in 1938 was \$296.00, and the increase from 1938 to 1939 was 0.9 percent. In institutions where both types of patients are cared for, the increase from \$243.05, the 1938 expenditure, was 2.4 percent.

Interstate comparison indicates a higher per capita expenditure for maintenance in institutions for epileptics than in institutions for mental defectives in each State in which both types of institutions are maintained, except in Michigan and New York. Michigan's higher expenditure reported in institutions for mental deficiency was due entirely to the Wayne County Training School. New York reported a higher per capita expenditure in institutions for mental defectives (\$377.79) than in institutions for epileptics (\$371.24). This was a reversal of the situation for New York in 1938, when \$373.92 were spent for maintenance of institutions for mental defect, and \$375.11 for maintenance of the institutions for epilepsy.

The increase in the total per capita cost of maintenance in all State institutions in the United States is reflected in the amount of money that is spent for salaries and wages. The increase in the amount spent for salaries and wages, from \$142.81 to \$152.04 from 1938 to 1939, was 6.5 percent. This is greater than the increase in the total expenditure for maintenance (1.6 percent).

In all institutions 52.8 percent of the total per capita expenditure of \$288.05 was spent for salaries and wages. When institutions were considered by type (mental defective, epileptic, or mixed), the largest proportion of the total was spent for salaries and wages in epileptic institutions (55.5 percent), the next highest proportion was in institutions for mental defectives (53.8 percent), and in institutions where both mental defectives and epileptics were cared for the proportion was lowest (48.5 percent).

Expenditures for provisions, and for fuel, light, and water did not change considerably from the previous year, while expenditures for other operations and maintenance decreased.

It is difficult to compare the amounts of money spent for food from year to year for as large an area as the country as a whole, because of the varying amounts of produce raised on the institutional farm. This produce is not included in the amount of money reported as expended for provisions. The reported amount represents actual expenditures for provisions purchased. The amounts spent for items necessary to maintain the institutional farm are divided among the categories, salaries and wages; fuel, light, and water; and other expenditures, where these items may be included most appropriately.

## PATIENTS IN MENTAL INSTITUTIONS, 1939

In 1939 data were requested to determine whether funds received from paying patients were devoted to hospital use or paid into the State general fund. Less than one-fifth of the institutions reporting indicated that the institution benefited directly from this amount.

TABLE 190.—ANNUAL EXPENDITURES OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, WITH PER CAPITA EXPENDITURE FOR MAINTENANCE: 1936-1939

PURPOSE OF EXPENDITURE	AMOUNT <sup>1</sup>			
	1939	1938	1937	1936
Total-----	\$54,201,964	\$51,576,068	\$51,608,075	\$26,134,521
Expenditures for maintenance-----	28,156,978	28,014,211	26,808,262	24,070,552
Salaries and wages-----	14,851,554	14,115,751	12,549,195	11,501,518
Purchased provisions-----	5,157,109	5,549,957	5,517,196	4,895,954
Fuel, light, and water-----	2,524,550	2,530,296	2,551,363	2,541,897
Other-----	5,605,985	6,018,207	6,190,510	5,531,185
Additions, improvements, and other expenditures-----	6,064,986	3,565,877	4,799,811	4,063,969
	PER CAPITA EXPENDITURE FOR MAINTENANCE <sup>2</sup>			
	1939	1938	1937	1936
Total-----	\$550.14	\$519.49	\$528.47	\$502.80
Expenditures for maintenance-----	288.05	285.45	278.59	259.06
Salaries and wages-----	152.04	142.81	150.41	125.79
Purchased provisions-----	52.80	54.13	57.53	52.69
Fuel, light, and water-----	25.84	25.60	26.52	25.20
Other-----	57.37	60.89	64.53	57.38
Additions, improvements, and other expenditures-----	62.09	36.06	49.88	43.74

<sup>1</sup> Data cover 76 institutions in 1939, 80 in 1938 and 1937, and 79 in 1936.

<sup>2</sup> Figures based upon following average daily resident patient population of institutions with reported expenditures: 97,680 in 1939; 98,840 in 1938; 96,228 in 1937; and 92,915 in 1936.

TABLE 191.—EXPENDITURES OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES, WITH PER CAPITA EXPENDITURE FOR MAINTENANCE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	EXPENDITURES FOR MAINTENANCE					Additions, improvements, and other expenditures	Average daily resident patient population	Per capita expenditure for maintenance
	Total	Salaries and wages	Purchased provisions	Fuel, light, and water	Other			
United States-----	\$18,276,456	\$9,828,202	\$3,247,094	\$1,669,136	\$5,532,024	\$2,504,900	61,219	\$298.54
NEW ENGLAND-----	2,724,511	1,492,401	421,805	224,419	585,886	208,845	7,869	346.25
Maine-----	522,909	161,054	65,451	20,578	77,828	-----	1,074	500.66
New Hampshire-----	198,351	98,357	30,769	20,030	49,195	3,000	614	325.05
Vermont-----	82,066	35,746	6,446	12,565	27,511	12,752	321	255.66
Massachusetts-----	1,952,600	1,109,007	291,000	154,756	377,837	192,537	5,153	375.04
Rhode Island-----	188,585	88,237	30,139	16,692	53,517	554	707	266.74
MIDDLE ATLANTIC-----	7,722,104	4,559,040	1,201,761	664,369	1,296,934	495,014	21,068	366.53
New York-----	6,352,434	3,805,908	968,025	508,847	1,051,656	455,394	16,762	377.79
New Jersey-----	1,154,052	611,785	197,412	128,989	215,848	17,884	5,600	320.58
Pennsylvania-----	255,638	145,349	36,326	26,535	29,430	21,736	706	355.76
EAST NORTH CENTRAL-----	5,009,961	2,470,544	1,012,659	486,049	1,040,709	515,810	18,855	265.99
Ohio-----	951,298	455,855	220,957	106,769	187,719	8,146	5,406	175.97
Indiana-----	402,589	185,667	62,816	58,019	118,087	16,893	1,945	206.99

<sup>1</sup> This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as mentally defective.

TABLE 191.—EXPENDITURES OF STATE INSTITUTIONS FOR MENTAL DEFECTIVES,<sup>1</sup> WITH PER CAPITA EXPENDITURE FOR MAINTENANCE, BY DIVISIONS AND STATES: 1939—Continued

DIVISION AND STATE	EXPENDITURES FOR MAINTENANCE					Additions, improvements, and other expenditures	Average daily resident patient population	Per capita expenditure for maintenance
	Total	Salaries and wages	Purchased provisions	Fuel, light, and water	Other			
<b>E. NORTH CENTRAL</b>								
Continued								
Illinois	\$643,537	\$482,013	\$205,065	\$60,196	\$196,065	\$200,460	4,184	\$225.46
Michigan	1,954,149	998,500	595,611	181,084	361,174	51,807	4,995	391.22
Wisconsin	758,598	590,711	150,212	80,001	157,864	58,504	2,505	329.11
<b>WEST NORTH CENTRAL</b>	1,260,866	559,578	277,195	153,166	270,907	375,532	6,620	184.86
Minnesota	555,287	291,350	98,585	54,898	90,808	78,305	2,475	216.45
Iowa	552,850	144,936	89,099	58,962	79,853	54,015	1,790	185.95
Nebraska	195,637	88,758	52,954	32,542	51,365	175,858	1,558	144.08
Kansas	197,062	64,556	56,579	26,796	49,161	65,164	1,199	184.58
<b>SOUTH ATLANTIC</b>	258,902	108,937	59,359	17,519	98,287	91,667	1,121	250.96
Virginia	28,661	7,059	5,802	1,257	14,545	736	158	168.74
North Carolina	172,551	71,157	22,370	15,895	64,931	75,697	650	265.12
Georgia	59,910	25,741	15,187	2,169	18,613	15,054	313	191.41
<b>EAST SOUTH CENTRAL</b>	409,008	174,532	116,598	44,659	75,454	16,468	2,568	172.72
Kentucky	161,127	81,057	20,865	16,909	42,598	2,248	750	214.84
Tennessee	85,042	34,041	42,678	5,027	5,066	1,735	629	135.20
Alabama	115,285	44,834	32,857	10,805	28,781	12,512	650	177.36
Mississippi	47,549	14,400	20,000	12,000	1,149	-----	359	140.26
<b>MOUNTAIN</b>	289,455	134,264	68,540	52,202	54,447	14,410	1,185	244.26
Montana	128,085	52,544	48,502	18,820	6,219	3,864	468	269.41
New Mexico	26,644	11,185	5,927	1,964	9,570	3,622	73	586.62
Utah	136,824	70,537	16,111	11,518	38,658	6,934	644	212.46
<b>PACIFIC</b>	601,656	334,106	109,177	46,953	111,420	969,536	1,958	508.07
Oregon	197,135	95,679	29,811	18,090	55,555	50,918	1,012	194.80
California	404,521	240,427	79,366	28,863	55,865	956,618	941	429.68

<sup>1</sup>This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as mentally defective.

TABLE 192.—EXPENDITURES OF STATE INSTITUTIONS FOR EPILEPTICS,<sup>1</sup> WITH PER CAPITA EXPENDITURE FOR MAINTENANCE, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	EXPENDITURES FOR MAINTENANCE					Additions, improvements, and other expenditures	Average daily resident patient population	Per capita expenditure for maintenance
	Total	Salaries and wages	Purchased provisions	Fuel, light, and water	Other			
<b>United States</b>	\$3,417,398	\$1,697,422	\$599,678	\$351,655	\$506,445	\$1,682,799	10,582	\$322.94
<b>NEW ENGLAND</b>	448,661	264,021	74,532	48,474	61,654	79,552	1,000	448.66
Massachusetts	448,661	264,021	74,532	48,474	61,654	79,552	1,000	448.66
<b>MIDDLE ATLANTIC</b>	1,540,142	933,289	235,285	145,619	229,751	62,066	4,320	356.51
New York	665,551	359,452	125,745	75,326	128,830	48,487	2,351	371.24
New Jersey	529,040	306,327	90,868	53,057	72,798	5,469	1,544	338.76
Pennsylvania	151,751	87,510	16,672	17,436	50,133	10,140	445	341.01
<b>EAST NORTH CENTRAL</b>	692,279	477,260	153,893	96,184	164,942	1,460,655	5,071	290.55
Ohio	550,669	296,519	108,861	64,250	81,089	2,694	2,069	266.15
Michigan	341,610	180,741	45,032	31,934	83,865	1,458,161	1,002	340.95
<b>WEST NORTH CENTRAL</b>	220,636	91,069	49,525	19,474	60,578	-----	871	253.31
Kansas	220,636	91,069	49,525	19,474	60,578	-----	871	253.31
<b>WEST SOUTH CENTRAL</b>	515,660	181,795	88,645	25,704	71,518	60,476	1,320	259.14
Texas	515,660	181,795	88,645	25,704	71,518	60,476	1,320	259.14

<sup>1</sup>This table includes only those institutions having more than 90 percent of the patients resident at the end of the year diagnosed as epileptic.



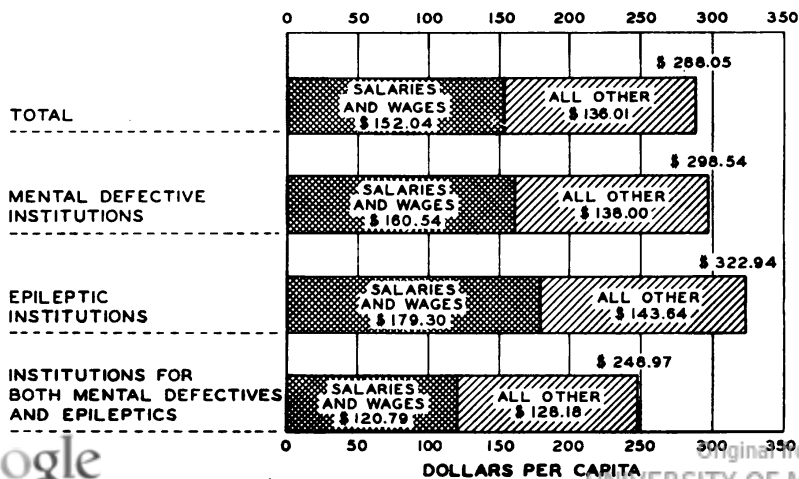
TABLE 193.—EXPENDITURES OF STATE INSTITUTIONS FOR BOTH MENTAL DEFECTIVES AND EPILEPTICS,<sup>1</sup> WITH PER CAPITA EXPENDITURE FOR MAINTENANCE, BY DIVISIONS AND STATES: 1930

DIVISION AND STATE	EXPENDITURES FOR MAINTENANCE					Additions, improvements, and other expenditures	Average daily resident patient population	Per capita expenditure for maintenance
	Total	Salaries and wages	Purchased provisions	Fuel, light, and water	Other			
United States	\$6,443,134	\$5,125,930	\$1,510,137	\$523,559	\$1,463,516	\$1,877,507	25,879	\$248.97
<b>NEW ENGLAND</b>	465,894	261,814	—	—	202,080	8,728	1,171	396.15
Connecticut	465,894	261,814	—	—	202,080	8,728	1,171	396.15
<b>MIDDLE ATLANTIC</b>	1,154,064	577,780	247,718	102,574	205,992	189,830	4,721	240.22
Pennsylvania	1,154,064	577,780	247,718	102,574	205,992	189,830	4,721	240.22
<b>EAST NORTH CENTRAL</b>	804,700	414,239	172,753	65,103	152,605	331,685	3,602	223.40
Illinois	804,700	414,239	172,753	65,103	152,605	331,685	3,602	223.40
<b>WEST NORTH CENTRAL</b>	1,224,121	527,806	280,865	155,197	300,253	58,610	5,532	221.28
Minnesota	247,514	127,234	68,047	14,911	37,322	9,905	1,065	232.41
Iowa	279,084	115,783	61,644	37,030	64,587	6,727	1,419	196.63
Missouri	501,339	121,431	67,801	23,536	88,571	12,088	1,509	199.69
North Dakota	216,714	96,385	36,676	26,278	57,175	19,636	891	243.23
South Dakota	179,530	68,975	26,497	33,442	52,618	10,234	648	277.05
<b>SOUTH ATLANTIC</b>	911,177	385,947	206,917	78,279	242,034	171,284	3,623	251.50
Delaware	155,587	44,416	45,333	13,911	51,907	6,806	428	363.52
Dist. of Col.	205,090	107,232	30,468	27,994	39,396	19,699	578	354.63
Virginia	231,991	93,049	69,033	17,738	52,133	109,933	1,539	170.71
South Carolina	179,697	85,797	34,780	10,979	48,041	15,332	734	243.06
Florida	158,812	53,455	27,283	7,639	50,537	19,514	534	290.13
<b>WEST SOUTH CENTRAL</b>	352,564	162,134	85,081	23,907	81,542	51,596	1,840	191.61
Louisiana	209,113	94,783	53,412	8,469	52,449	11,725	790	264.70
Oklahoma	143,451	67,351	31,669	15,338	29,093	39,871	1,050	136.62
<b>MOUNTAIN</b>	271,052	111,217	47,237	22,040	90,538	194,740	1,084	264.70
Wyoming	97,308	40,911	11,636	9,661	33,080	29,165	366	263.67
Colorado	173,744	70,306	35,601	12,379	57,458	165,575	658	271.17
<b>PACIFIC</b>	1,281,532	686,993	289,346	96,539	208,474	870,832	4,366	293.53
Washington	336,542	140,413	86,666	39,176	70,287	16,339	1,497	224.81
California	945,010	546,580	202,680	57,363	138,187	854,493	2,869	329.59

<sup>1</sup> This table includes only those institutions having 10 percent or more of the patients resident at the end of the year diagnosed as either mentally defective or epileptic.

CHART 10.—PER CAPITA EXPENDITURE FOR MAINTENANCE

STATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS 1930



PRIVATE INSTITUTIONS

In 1939 there were 59 private institutions, either proprietary or nonprofit, reported as caring for mental defectives and epileptics. Many of these institutions also reported patients classified as neither mentally defective nor epileptic. There was a slight increase reported in the total number of patients on the books of private institutions at the end of the year from 4,904 in 1938 to 5,092 in 1939. The number of mental defectives increased more than the number of epileptics in this period. In the former case the increase was from 3,951 to 4,101, 3.8 percent, while the increase in epileptics was from 583 to 589 patients. The increase among those patients reported as neither mentally defective nor epileptic was even larger than the increase in mental defective patient population, from 370 in 1938 to 402 in 1939, or 8.6 percent. Few private institutions practiced the placement of patients on parole or other absent status. There was small patient population turn-over among mental defectives and epileptics but considerable turn-over among those patients classified in neither of these categories. As has been indicated, these patients are generally diagnosed as postencephalitic, with psychopathic personality, or with primary behavior disorders.

Among mental defective first admissions (552), the patients whose mental status was reported as idiot (55) comprised 10 percent of the total. In State institutions the corresponding ratio was 15 percent. It is less common for a child whose mental status is as low as that of idiot to be placed in a private institution. Since no amount of habit training can bring about improvement, and the treatment resolves itself into the administering of custodial care, such children are generally sent directly to a public-supported institution. At best, the lines of demarcation between degrees of mental status cannot be clear-cut.

First admissions of symptomatic (18) and idiopathic (17) epileptics comprised equal proportions of total epileptic first admissions (91). In State institutions, first admissions of idiopathic epileptics (999) were almost twice as numerous as those of symptomatic epileptics (530).

The number of first admissions diagnosed as neither mentally defective nor as epileptic (581) was larger than the number of first admissions of mental defectives (552), or of epileptics (91). More than half of the patients neither mentally defective nor epileptic were in New York State in one institution, which cares for a large number of aged and infirm patients.

TABLE 194.—MOVEMENT OF PATIENT POPULATION IN PRIVATE INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY MENTAL DISORDER: 1939

MOVEMENT OF PATIENTS	Total patients	Mental defectives	Epileptics	Neither mental defectives nor epileptics
Patients on books at beginning of year	5,061	4,022	622	417
In institution	4,907	3,982	619	406
On parole or otherwise absent	154	140	3	11
Admissions during year	1,360	596	108	661
First admissions	1,224	552	91	581
Readmissions	116	29	9	78
Transfers	20	15	8	2
Separations during year	1,329	517	186	626
Discharges	951	525	75	551
Direct from institution	945	517	75	551
While on parole	6	8		
Transfers	150	115	51	6
Deaths	228	79	80	119
Patients on books at end of year	5,092	4,101	589	402
In institution	4,926	3,947	588	391
On parole or otherwise absent	166	154	1	11

## PART III. CONSOLIDATED DATA FOR MENTAL DEFECTIVES AND EPILEPTICS

### INTRODUCTION

**Scope of the data.**— In part II of this report data have been presented for mental defectives and epileptics in institutions established especially for their care. In part III the data that have been assembled for the same type of patients in hospitals for mental disease will be added to this information.

The distribution of all resident patients and first admissions is given for mental defectives and epileptics separately, for all hospitals and institutions whether under State, veterans', county, city, or private control. The age distributions of resident patients and first admissions are available for State, veterans', county, and city hospital, and institution patients, but not for hospitals or institutions under private control. Data for readmissions, discharges, and deaths are also available for all but the private hospitals and institutions. The two city institutions, not having reported in 1939, are excluded from the presentation.

**Significance of the data.**— Considerable misinterpretation is possible in interstate comparison of the care provided for mental defectives and epileptics when those in hospitals for mental disease are not included. Several States in the Mountain division provide no separate State institution for such patients. In past years, as well as in 1939, these States were not included in the report of mental defectives and epileptics in institutions because the State hospitals in which these patients were institutionalized chose to report all their census data on schedules provided for hospitals for mental disease.

In the South the hospitalization of the Negro presents another problem. In the South Atlantic States only Virginia provides a separate institution for the care of Negro mental defectives and epileptics. Negro patients who require institutionalization must seek admission to a hospital for mental disease. Complete racial break-down of the data would be most desirable. This is not possible in the present report. Nonetheless, combined hospital and institution figures are more representative of the whole situation than are institution data alone.

**Treatment of the data.**— Data for mental defectives and epileptics have been presented separately by State and geographic division. In each case figures for institutions for mental defectives and epileptics have been shown separately from figures for hospitals for mental disease.

**Resident patients.**— This report is the first since 1923 in which the age distributions of resident patients diagnosed as mentally defective or as epileptic in hospitals for mental disease or in institutions for mental defect and epilepsy are available. At the end of 1939 there were 9,171 nonpsychotic mental defectives (9.9 percent of the total) in hospitals for mental disease as compared with 83,815 (90.1 percent) in institutions for mental defectives and epileptics. In hospitals there were 2,188 nonpsychotic epileptic patients (11.5 percent of the total), while institutions cared for 16,883 (88.5 percent). The proportion of epileptics in hospitals for mental disease was slightly larger than the proportion of mental defectives in hospitals. For both types of patients combined, 10.1 percent of the total were cared for in hospitals for mental disease. The proportions of mental defectives and epileptics in hospitals for mental disease by State ranged from 0.2 percent in New York to 100 percent in Arkansas, Arizona, and Nevada. Those States for which no reports were received from State institutions for mental deficiency and epilepsy have been excluded.

The rate of institutionalization for mental defective patients expressed per 100,000 of the estimated population was 70.7 in hospitals and institutions as compared with 63.8 for mental defectives in institutions alone. For epileptics the rate per 100,000 was 14.5 in hospitals and institutions as compared with 12.8 in institutions for mental defectives and epileptics only.

Of the 92,986 mental defectives resident in all mental institutions at the end of 1939, 79,868, or 85.9 percent, were in State institutions for mental defectives and epileptics. State hospitals for mental disease cared for 7,183 patients, 7.7 percent of all, constituting the next largest proportion. In private institutions for mental defectives and epileptics there were 3,947 patients (4.2 percent), while county and city hospitals cared for 1,802 (1.9 percent). There were fewer than 100 patients in either the veterans' or the private hospitals for mental disease.

Of the 19,071 epileptic patients in residence at the end of the year 16,295, or 85.4 percent, were in institutions for mental defectives and epileptics, 1,571 (8.2 percent) were in State hospitals for mental disease, 588 (3.1 percent) were in private institutions, and 421 (2.2 percent) were in county and city hospitals.

The median age for mental defective patients in all institutions was 24.0 years, as compared with 22.8 years in institutions for mental defectives and epileptics alone. Mental defectives who are cared for in hospitals for mental disease are, on the whole, older. Among epileptic patients the median age for all those institutionalized was 29.4 years, as compared with 28.2 years in institutions for mental defect and epilepsy alone. The median age of all epileptics is not influenced by the inclusion of patients in hospitals for mental disease to as large an extent as is the median age of all mental defectives, because the proportion of epileptics in hospitals for mental disease is smaller.

**First admissions.**—Of mental defective first admissions 8,109, or 82.5 percent, were admitted to institutions for mental defectives and epileptics, and 1,723 (17.5 percent) to hospitals for mental disease. Of epileptic patients 1,715 (76.4 percent) were first admissions to institutions, and 530 (23.6 percent) were first admissions to hospitals for mental disease. For both types of patients together, the proportions admitted to institutions and to hospitals were 81.3 percent and 18.7 percent, respectively. There was a larger proportion of mental defectives and epileptics among first admissions to hospitals for mental disease (18.6 percent) than there was among resident patients in hospitals (10.1 percent). There was greater turn-over of mental defectives and epileptics treated in hospitals for mental disease. Perhaps these patients were not as seriously handicapped to begin with, or it may be that they were transferred later to institutions if they required lengthy care.

The rate of first admission of mental defective patients was 7.5, and of epileptic patients 1.7, per 100,000 of the estimated population.

The distribution by type of institution of the 9,832 first admissions indicated that 7,557 mental defectives, or 76.9 percent, were admitted to State institutions; 1,467, or 14.9 percent, to State hospitals; 552, or 5.6 percent, to private institutions; and the remainder, 256, or 2.6 percent, to veterans', county, city, and private hospitals.

First admissions of epileptic patients follow the same general pattern. Of the 2,245 first admissions, 1,624, the largest number (72.3 percent), were admitted to State institutions; 394 (17.6 percent) to State hospitals; 91 (4.1 percent) to private institutions; and the remainder, 136 (6.1 percent) to veterans', county, city, and private hospitals for mental disease.

The median ages of mental defective and epileptic first admissions were 16.6 and 20.5 years, respectively. •

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 195.—MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION IN ALL INSTITUTIONS FOR MENTAL PATIENTS, BY TYPE OF CONTROL, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL RESIDENT PATIENTS		HOSPITALS FOR MENTAL DISEASE				INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS			
	Number	Rate per 100,000 estimated population <sup>1</sup>	Total	State	Veterans' Administration	County and city	Private	Total	State	Private
United States <sup>2</sup>	82,986	70.7	9,171	7,185	96	1,802	88	85,815	79,868	5,947
<b>NEW ENGLAND<sup>3</sup></b>	9,099		292	283	3		6	8,807	8,705	104
Maine	1,120	132.4	45	44	1			1,075	1,075	
New Hampshire	691	140.7	133	133				558	558	
Vermont	345	96.1	51	25			6	314	314	
Massachusetts <sup>2</sup>	5,298	122.7	77	77				5,221	5,127	94
Rhode Island	725	101.8	1	1				784	774	10
Connecticut	920	53.9	5	4	1			915	915	
<b>MIDDLE ATLANTIC</b>	28,044	101.9	1,044	648	14	377	5	27,000	24,695	2,307
New York	16,946	125.9	25	19	6			16,921	16,659	262
New Jersey	4,039	97.2	151	56	3	88	4	3,888	3,271	617
Pennsylvania	7,059	71.4	868	573	5	289	1	6,191	4,785	1,406
<b>EAST NORTH CENTRAL<sup>2</sup></b>	24,952		2,470	1,461	22	972	15	22,482	21,682	800
Ohio	5,617	81.4	176	170	2	1	3	5,441	5,401	40
Indiana <sup>2</sup>	2,035	59.5	70	64	6			1,965	1,965	
Illinois	7,777	98.6	694	680	10		4	7,083	6,900	183
Michigan	5,655	108.1	475	468	3		4	5,180	5,165	15
Wisconsin	5,868	125.5	1,055	79	1	971	4	2,813	2,251	562
<b>WEST NORTH CENTRAL</b>	11,944	88.4	1,120	770	16	327	7	10,894	10,454	570
Minnesota	2,978	108.9	284	261	3			2,714	2,714	
Iowa	2,934	115.3	106	40	3	58	5	2,818	2,766	52
Missouri	1,956	51.2	516	242	5	269		1,420	1,341	179
North Dakota	797	134.0	22	21	1			775	720	55
South Dakota	544	84.5	6	6				538	538	
Nebraska	1,530	116.2	170	165	4		1	1,360	1,281	79
Kansas	1,235	68.5	36	35			1	1,199	1,194	5
<b>SOUTH ATLANTIC<sup>2</sup></b>	5,322		1,259	1,212	10	1	36	4,065	3,951	112
Delaware	442	166.2	28	28				414	414	
Maryland <sup>2</sup>	551	19.5	551	315	1	1	54			
Dist. of Columbia	608	91.4	61	60	1			542	515	27
Virginia	1,197	44.8	5	5	1		2	1,194	1,109	85
West Virginia <sup>2</sup>	704	37.1	704	708	1					
North Carolina	766	21.5	102	101	1			664	664	
South Carolina	536	23.5	1	1				535	535	
Georgia	516	10.1	5	5				515	515	
Florida	407	21.6	6	5	1			401	401	
<b>EAST SOUTH CENTRAL</b>	5,220	29.9	634	595	6	32	1	2,586	2,485	108
Kentucky	1,061	58.0	245	238	4		1	858	755	103
Tennessee	746	25.6	111	78	1	32		655	635	20
Alabama	850	30.0	119	118	1			731	731	
Mississippi	545	24.9	161	161				532	532	
<b>WEST SOUTH CENTRAL<sup>2</sup></b>	2,082		1,426	1,406	20			658	586	70
Arkansas	626	32.2	626	625	1					
Louisiana	950	39.4	274	272	2			558	536	20
Oklahoma	300	12.8	300	300				(2)	(2)	
Texas <sup>2</sup>	226	5.5	226	209	17					
<b>MOUNTAIN<sup>2</sup></b>	2,534		598	596	2			1,936	1,936	
Montana	515	92.1	107	107				408	408	
Idaho <sup>2</sup>	2	0.4	2	2						
Wyoming	335	135.2	5	5				328	328	
Colorado	798	71.2	249	247	2			549	549	
New Mexico	87	15.4	18	18				69	69	
Arizona	86	17.7	86	86						
Utah	692	126.0	110	110				582	582	
Nevada	19	17.5	19	19						
<b>PACIFIC</b>	5,789	59.7	328	212	5	95	18	5,461	5,380	81
Washington	1,274	73.6	51	47	3		1	1,223	1,223	
Oregon	1,070	98.4	87	86	1			963	963	
California	3,445	50.1	190	79	1	95	17	3,255	3,174	81

<sup>1</sup> Population as of January 1, 1940. <sup>2</sup> Incomplete reporting, see footnote to table 136. <sup>3</sup> Excluding 920 patients in Northern State Hospital, Oklahoma (information received after completion of tabulations).

CONSOLIDATED DATA: MENTAL DEFECT AND EPILEPSY

TABLE 196.—EPILEPTIC RESIDENT PATIENTS AT THE END OF THE YEAR, AND RATE PER 100,000 ESTIMATED POPULATION IN ALL INSTITUTIONS FOR MENTAL PATIENTS, BY TYPE OF CONTROL, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	ALL RESIDENT PATIENTS		HOSPITALS FOR MENTAL DISEASE				INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS			
	Number	Rate per 100,000 estimated population <sup>1</sup>	Total	State	Veterans' Administration	County and city	Private	Total	State	Private
United States <sup>2</sup>	319,071	14.5	2,188	1,571	168	421	40	316,885	316,295	589
NEW ENGLAND <sup>2</sup>	1,550		45	52	7	—	6	1,505	1,275	32
Maine	15	1.5	15	12	—	—	1	—	—	—
New Hampshire	47	9.6	17	17	—	—	—	50	50	—
Massachusetts <sup>2</sup>	1,046	24.2	10	5	5	—	2	1,088	1,004	52
Rhode Island	24	5.4	8	—	2	—	1	21	21	—
Connecticut	220	12.9	2	—	—	—	2	218	218	—
MIDDLE ATLANTIC	5,375	19.5	126	75	51	17	5	5,249	4,955	296
New York	2,527	17.5	16	6	8	—	2	2,511	2,261	80
New Jersey	1,551	57.6	26	15	11	2	—	1,555	1,551	4
Pennsylvania	1,487	15.0	84	54	12	15	5	1,406	1,141	262
EAST NORTH CENTRAL <sup>2</sup>	4,282		451	156	20	266	9	5,851	5,755	96
Ohio	2,090	50.5	25	9	9	5	2	2,065	2,065	—
Indiana <sup>2</sup>	20	0.6	20	18	2	—	—	—	—	—
Illinois	806	10.2	76	68	7	—	1	780	708	84
Michigan	991	18.9	40	38	2	—	—	951	950	1
Wisconsin	575	12.0	270	5	—	261	6	105	54	71
WEST NORTH CENTRAL	5,197	25.7	208	78	5	122	3	2,989	2,854	155
Minnesota	687	51.8	16	16	—	—	—	671	671	—
Iowa	474	18.7	24	8	—	14	2	450	450	—
Missouri	527	18.9	141	50	2	108	1	386	317	69
North Dakota	207	32.2	5	5	—	—	—	204	191	15
South Dakota	97	15.1	—	—	—	—	—	97	97	—
Nebraska	154	10.2	21	20	1	—	—	118	60	58
Kansas	671	48.3	5	1	2	—	—	668	668	—
SOUTH ATLANTIC <sup>2</sup>	1,626		907	666	56	1	4	919	901	16
Delaware	58	21.8	5	2	1	—	—	55	55	—
Maryland <sup>2</sup>	185	10.1	168	155	8	1	4	15	—	15
Dist. of Columbia	94	14.2	5	2	1	—	—	91	91	—
Virginia	474	17.7	5	—	5	—	—	469	466	3
West Virginia <sup>2</sup>	170	9.0	170	170	—	—	—	—	—	—
North Carolina	595	16.6	557	555	4	—	—	56	56	—
South Carolina	108	5.6	6	—	6	—	—	100	100	—
Georgia	9	0.3	9	—	9	—	—	—	—	—
Florida	159	7.4	6	4	2	—	—	155	155	—
EAST SOUTH CENTRAL	63	0.8	65	58	27	1	2	—	—	—
Kentucky	40	1.4	40	26	15	—	1	—	—	—
Tennessee	10	0.5	10	5	5	1	1	—	—	—
Alabama	9	0.5	9	2	7	—	—	—	—	—
Mississippi	24	1.1	24	20	4	—	—	—	—	—
WEST SOUTH CENTRAL <sup>2</sup>	31,678		208	181	20	—	2	31,475	31,475	—
Arkansas	105	5.5	105	99	4	—	—	—	—	—
Louisiana	202	8.6	32	25	8	—	1	170	170	—
Oklahoma <sup>2</sup>	319	0.8	19	17	2	—	—	(3)	(3)	—
Texas <sup>2</sup>	1,854	21.1	49	42	6	—	1	1,805	1,805	—
MOUNTAIN <sup>2</sup>	418		156	151	5	—	2	282	282	—
Montana	77	15.8	56	56	—	—	—	41	41	—
Idaho <sup>2</sup>	16	5.1	16	15	1	—	—	—	—	—
Wyoming	55	21.2	2	1	1	—	—	51	51	—
Colorado	159	12.4	15	12	1	—	2	124	124	—
New Mexico	7	1.5	5	5	—	—	—	4	4	—
Arizona	27	5.4	27	27	—	—	—	—	—	—
Utah	93	16.9	31	31	—	—	—	62	62	—
Nevada	6	5.5	6	6	—	—	—	—	—	—
PACIFIC	662	8.9	49	21	7	14	7	615	602	11
Washington	262	15.1	12	6	4	—	2	250	250	—
Oregon	7	0.6	7	6	1	—	—	—	—	—
California	595	8.6	50	9	2	14	5	565	552	11

<sup>1</sup> Population as of January 1, 1940. <sup>2</sup> Incomplete reporting, see footnote to table 156. <sup>3</sup> Including 170 patients in Northern State Hospital, Oklahoma (information received after completion of tabulations).

PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 197.—MENTAL DEFECTIVE RESIDENT PATIENTS AT THE END OF THE YEAR IN PUBLIC INSTITUTIONS FOR MENTAL PATIENTS, BY AGE, BY SEX AND TYPE OF CONTROL: 1939

SEX AND TYPE OF CONTROL	All ages	AGE (IN YEARS)					Median age (in years)	
		Under 5 <sup>1</sup>	5-9 <sup>1</sup>	10-14	15-19	20-24		
United States <sup>2</sup> .....	68,754	718	4,187	10,251	15,471	12,419		
Male.....	45,831	392	2,478	5,984	8,704	6,847		
Hospitals for mental disease.....	4,997	—	—	170	409	459		
Institutions for mental defectives and epileptics.....	40,834	392	2,478	5,814	8,295	5,888		
Female.....	42,923	326	1,709	4,267	6,767	6,072		
Hospitals for mental disease.....	3,889	—	—	112	218	322		
Institutions for mental defectives and epileptics.....	39,034	326	1,709	4,155	6,549	5,750		
Hospitals for mental disease.....	8,886	—	—	282	627	781		
Male.....	4,997	—	—	170	409	459		
Female.....	3,889	—	—	112	218	322		
Institutions for mental defectives and epileptics.....	79,868	718	4,187	9,949	14,944	11,638		
Male.....	40,834	392	2,478	5,814	8,295	5,888		
Female.....	39,034	326	1,709	4,135	6,549	5,750		
		AGE (IN YEARS)—Continued						
		25-29	30-39	40-49	50-59	60 and over	Un-known	
United States <sup>2</sup> .....	9,620	12,789	8,401	4,705	2,455	7,778	24.0	
Male.....	4,698	5,895	3,758	2,227	1,159	4,229	22.6	
Hospitals for mental disease.....	496	1,058	984	767	473	179	38.5	
Institutions for mental defectives and epileptics.....	4,200	4,837	2,754	1,460	686	4,050	21.2	
Female.....	4,922	6,894	4,643	2,478	1,296	3,549	25.6	
Hospitals for mental disease.....	539	820	836	657	470	155	40.8	
Institutions for mental defectives and epileptics.....	4,383	6,074	3,827	1,841	826	3,414	24.4	
Hospitals for mental disease.....	857	1,878	1,820	1,404	945	514	39.4	
Male.....	496	1,058	984	767	473	179	38.5	
Female.....	339	820	836	657	470	155	40.8	
Institutions for mental defectives and epileptics.....	8,785	10,911	6,581	3,501	1,492	7,464	22.8	
Male.....	4,200	4,837	2,754	1,460	686	4,050	21.2	
Female.....	4,585	6,074	3,827	1,841	826	3,414	24.4	

<sup>1</sup>Data for patients under 15 years of age in hospitals included in age group 10-14 years.

<sup>2</sup>Excluding 409 male and 511 female patients in institutions (information received after completion of tabulations); also excluding 197 patients in hospitals, not reported by sex.

CONSOLIDATED DATA: MENTAL DEFECT AND EPILEPSY

TABLE 202.—EPILEPTIC FIRST ADMISSIONS TO PUBLIC INSTITUTIONS FOR MENTAL PATIENTS, BY AGE, BY SEX AND TYPE OF CONTROL: 1939

SEX AND TYPE OF CONTROL	All ages	AGE (IN YEARS)					Median age (in years)
		Under 5 <sup>1</sup>	5-9 <sup>1</sup>	10-14	15-19	20-24	
United States <sup>2</sup>	2,094	62	205	564	374	270	
Male	1,237	55	117	207	214	167	
Hospitals for mental disease	505			57	54	48	
Institutions for mental defectives and epileptics	954	55	117	170	180	119	
Female	857	27	88	157	160	105	
Hospitals for mental disease	187			24	50	22	
Institutions for mental defectives and epileptics	690	27	88	155	150	81	
Hospitals for mental disease	470			61	64	70	
Male	505			57	54	48	
Female	167			24	50	22	
Institutions for mental defectives and epileptics	1,624	62	205	505	310	200	
Male	954	55	117	170	180	119	
Female	690	27	88	155	150	81	
AGE (IN YEARS)—Continued							
		25-29	30-39	40-49	50-59	60 and over	Un-known
United States <sup>2</sup>	192	275	167	99	55	55	20.5
Male	112	156	111	65	35	20	21.1
Hospitals for mental disease	56	54	45	25	10	14	28.5
Institutions for mental defectives and epileptics	76	102	66	40	25	6	18.9
Female	80	119	56	34	20	15	19.7
Hospitals for mental disease	24	28	14	8	4	15	25.2
Institutions for mental defectives and epileptics	56	91	42	26	16	—	18.7
Hospitals for mental disease	60	82	59	35	14	27	27.2
Male	56	54	45	25	10	14	28.5
Female	24	28	14	8	4	15	25.2
Institutions for mental defectives and epileptics	152	193	108	66	39	6	18.9
Male	76	102	66	40	25	6	18.9
Female	56	91	42	26	16	—	18.7

<sup>1</sup> Data for patients under 15 years of age in hospitals included in age group 10-14 years.

<sup>2</sup> Excluding 14 male and 10 female patients in institutions (information received after completion of tabulations).



**Readmissions.**—Readmission data were available only for public hospitals and institutions. Of all mental defective readmissions, 39.8 percent were in hospitals for mental disease. The corresponding percentage for mental defective first admissions was 18.1 percent. A similar situation prevailed among epileptics, with 46.8 percent of all readmissions to public hospitals and institutions being admitted to public hospitals, but only 22.4 percent of first admissions coming to these same hospitals. This relationship held in many States.

Of the 942 readmitted mental defectives, 567, or 60.2 percent, were in public institutions for mental deficiency and epilepsy, and 375, or 39.8 percent, in public hospitals for mental disease. Epileptic patients readmitted to public hospitals for mental disease numbered 167, or 46.8 percent, as compared with 190 (53.2 percent) readmitted to public institutions for mental defectives and epileptics.

**Discharges.**—More than three times as many discharges of mental defectives (3,524) were made from institutions as from hospitals (1,137), although the mental defective patient population in institutions was over nine times as large. Of epileptics, 831 were discharged from institutions, and 450 from hospitals, a ratio of almost 2 to 1, as compared with a ratio of almost 8 to 1, among resident epileptics.

Apparently mental defective and epileptic patients in hospitals were more likely to be discharged than those in institutions. Readmission data indicate that patients discharged from hospitals also return with greater frequency than those discharged from institutions.

**Deaths.**—There were 1,982 deaths of mental defectives in all public institutions for mental patients. More than 80 percent of these were in public institutions for mental deficiency and epilepsy. Nearly 90 percent of all epileptic deaths occurred in public institutions (757 of a total of 867 deaths reported).

TABLE 203.—READMISSIONS OF MENTAL DEFECTIVES AND EPILEPTICS TO PUBLIC INSTITUTIONS FOR MENTAL PATIENTS, BY MENTAL DISORDER AND TYPE OF CONTROL, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	MENTAL DEFECTIVES AND EPILEPTICS		MENTAL DEFECTIVES		EPILEPTICS	
	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics
United States <sup>1</sup>	542	<sup>2</sup> 757	375	<sup>2</sup> 567	167	<sup>2</sup> 190
NEW ENGLAND <sup>1</sup>	54	49	45	52	9	17
Maine	3	2	1	2	2	
New Hampshire	2	7	2	7		
Vermont	6	1	4	1	2	
Massachusetts <sup>2</sup>	51	50	27	14	4	16
Rhode Island	3	9	3	6		1
Connecticut	9		8		1	
MIDDLE ATLANTIC	48	258	39	206	9	50
New York	12	228	9	195	3	55
New Jersey	12	25	11	14	1	11
Pennsylvania	24	5	19	1	5	4
EAST NORTH CENTRAL <sup>1</sup>	125	251	79	177	46	54
Ohio	21	52	11	15	10	39
Indiana <sup>1</sup>	3		5			
Illinois	60	76	40	66	20	10
Michigan	15	97	11	92	4	5
Wisconsin	26	6	14	6	12	
WEST NORTH CENTRAL	26	66	24	62	2	26
Minnesota	2	47	2	40		7
Iowa	1	15	1	10		5
Missouri	17	1	15		2	1
North Dakota		4		2		2
South Dakota		5		4		1
Nebraska	2	5	2	5		
Kansas	4	11	4	1		10
SOUTH ATLANTIC <sup>1</sup>	92	29	46	22	46	7
Delaware		4		4		
Maryland <sup>1</sup>	18		11		7	
District of Columbia	4	5	4	5		
Virginia	29	14	2	7	27	7
West Virginia <sup>1</sup>	16		10		6	
North Carolina	7		5		2	
South Carolina	9	1	7	1	2	
Georgia	6	3	6	3		
Florida	3	2	1	2	2	
EAST SOUTH CENTRAL	72	8	55	8	19	
Kentucky	16	1	10	1	6	
Tennessee	5	4	5	4		
Alabama	16	3	17	5	1	
Mississippi	35		21		12	
WEST SOUTH CENTRAL <sup>1</sup>	71	<sup>2</sup> 32	51	<sup>2</sup> 3	20	<sup>2</sup> 29
Arkansas	39		28		11	
Louisiana	7	3	5	3	2	
Oklahoma	14	( <sup>2</sup> )	11	( <sup>2</sup> )	3	( <sup>2</sup> )
Texas <sup>1</sup>	11	29	7		4	29
MOUNTAIN <sup>1</sup>	27	16	17	15	10	3
Montana	15	1	7	1	6	
Wyoming	1		1			
Colorado	8	5	6	3	2	2
New Mexico	1		1			
Arizona	2		1		1	
Utah	2	10	1	9	1	1
PACIFIC	27	46	21	42	6	4
Washington	4	3	4	3		
Oregon	3	17		17	3	
California	20	26	17	22	3	4

<sup>1</sup>Incomplete reporting, see footnote to table 136.

<sup>2</sup>Excluding 3 mental defective patients in Northern State Hospital, Oklahoma (information received after completion of tabulations).

## PATIENTS IN MENTAL INSTITUTIONS, 1939

TABLE 204.—MENTAL DEFECTIVES AND EPILEPTICS DISCHARGED FROM PUBLIC INSTITUTIONS FOR MENTAL PATIENTS, BY MENTAL DISORDER AND TYPE OF CONTROL, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	MENTAL DEFECTIVES AND EPILEPTICS		MENTAL DEFECTIVES		EPILEPTICS	
	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics
United States <sup>1</sup>	1,587	<sup>2</sup> 4,355	1,187	<sup>2</sup> 3,524	450	<sup>2</sup> 851
NEW ENGLAND <sup>1</sup>	158	368	130	351	28	37
Maine	12	9	8	9	4	—
New Hampshire	11	48	6	45	5	3
Vermont	14	9	12	9	2	—
Massachusetts <sup>1</sup>	85	228	78	200	7	28
Rhode Island	7	58	3	55	4	3
Connecticut	51	18	25	15	6	3
MIDDLE ATLANTIC	226	1,561	174	1,285	52	278
New York	59	1,211	47	1,018	12	193
New Jersey	36	184	23	157	13	47
Pennsylvania	131	166	104	128	27	38
EAST NORTH CENTRAL <sup>1</sup>	322	906	253	707	69	199
Ohio	47	305	37	169	10	158
Indiana <sup>2</sup>	12	14	6	14	6	—
Illinois	175	214	151	174	44	40
Michigan	37	360	27	340	10	20
Wisconsin	51	13	32	10	19	3
WEST NORTH CENTRAL	101	594	81	450	20	144
Minnesota	11	239	8	205	5	34
Iowa	11	124	8	94	3	30
Missouri	46	71	35	51	11	20
North Dakota	5	22	4	18	1	4
South Dakota	1	41	1	34	—	7
Nebraska	21	48	21	48	—	—
Kansas	6	49	6	—	—	49
SOUTH ATLANTIC <sup>1</sup>	161	239	120	214	41	25
Delaware	8	42	3	40	—	2
Maryland <sup>2</sup>	33	—	23	—	10	—
District of Columbia	5	19	3	18	—	1
Virginia	14	74	5	61	9	13
West Virginia <sup>1</sup>	41	—	25	—	16	—
North Carolina	7	—	5	—	2	—
South Carolina	49	21	47	20	2	1
Georgia	10	44	9	44	1	—
Florida	1	39	—	31	1	8
EAST SOUTH CENTRAL	238	72	142	72	96	—
Kentucky	83	20	53	20	30	—
Tennessee	11	22	7	22	4	—
Alabama	30	17	3	17	27	—
Mississippi	114	15	79	13	35	—
WEST SOUTH CENTRAL <sup>1</sup>	244	<sup>2</sup> 128	161	<sup>2</sup> 4	83	<sup>2</sup> 124
Arkansas	125	—	77	—	48	—
Louisiana	44	5	29	4	15	1
Oklahoma	26	( <sup>2</sup> )	25	( <sup>2</sup> )	3	( <sup>2</sup> )
Texas <sup>1</sup>	49	123	32	—	17	123
MOUNTAIN <sup>1</sup>	55	171	33	158	22	13
Montana	16	62	8	57	8	5
Idaho <sup>1</sup>	2	—	1	—	1	—
Wyoming	3	28	1	23	2	3
Colorado	13	14	12	14	1	—
New Mexico	2	7	1	6	1	1
Arizona	13	—	4	—	9	—
Utah	4	62	4	58	—	4
Nevada	2	—	2	—	—	—
PACIFIC	82	316	63	305	19	11
Washington	15	8	7	8	8	—
Oregon	20	57	16	57	4	—
California	47	251	40	240	7	11

<sup>1</sup> Incomplete reporting, see footnote to table 156.<sup>2</sup> Excluding 41 mental defective and 14 epileptic patients in Northern State Hospital, Oklahoma (information received after completion of tabulations).

CONSOLIDATED DATA: MENTAL DEFECT AND EPILEPSY

TABLE 205.—DEATHS OF MENTAL DEFECTIVES AND EPILEPTICS IN PUBLIC INSTITUTIONS FOR MENTAL PATIENTS, BY MENTAL DISORDER AND TYPE OF CONTROL, BY DIVISIONS AND STATES: 1939

DIVISION AND STATE	MENTAL DEFECTIVES AND EPILEPTICS		MENTAL DEFECTIVES		EPILEPTICS	
	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics	Hospitals for mental disease	Institutions for mental defectives and epileptics
United States <sup>1</sup>	479	2,370	369	1,613	110	757
NEW ENGLAND <sup>1</sup>	14	172	14	122	—	50
Maine	2	33	2	33	—	—
New Hampshire	2	8	2	7	—	1
Vermont	3	10	3	10	—	—
Massachusetts <sup>1</sup>	4	88	4	47	—	41
Rhode Island	—	9	—	9	—	—
Connecticut	5	24	5	16	—	8
MIDDLE ATLANTIC	42	577	29	366	13	211
New York	8	517	6	256	2	81
New Jersey	6	115	4	52	2	65
Pennsylvania	28	145	19	78	9	67
EAST NORTH CENTRAL <sup>1</sup>	79	759	70	547	9	212
Ohio	10	257	8	151	2	126
Indiana <sup>1</sup>	7	55	7	55	—	—
Illinois	21	228	18	186	3	42
Michigan	23	133	22	91	1	42
Wisconsin	18	86	15	84	3	2
WEST NORTH CENTRAL	57	349	44	242	13	107
Minnesota	17	84	15	59	2	25
Iowa	4	68	3	50	1	16
Missouri	24	28	16	14	8	12
North Dakota	—	17	—	12	—	5
South Dakota	1	18	—	12	1	6
Nebraska	6	41	5	34	1	7
Kansas	5	97	5	61	—	36
SOUTH ATLANTIC <sup>1</sup>	137	111	89	63	48	48
Delaware	—	4	—	4	—	—
Maryland <sup>1</sup>	18	—	9	—	9	—
District of Columbia	2	7	2	4	—	3
Virginia	21	50	18	17	3	33
West Virginia <sup>1</sup>	33	—	22	—	11	—
North Carolina	35	17	19	16	16	1
South Carolina	9	12	9	4	—	8
Georgia	—	8	—	8	—	—
Florida	19	13	10	10	9	3
EAST SOUTH CENTRAL	44	50	40	50	4	—
Kentucky	9	12	8	12	1	—
Tennessee	9	27	8	27	1	—
Alabama	15	7	15	7	—	—
Mississippi	11	4	9	4	2	—
WEST SOUTH CENTRAL <sup>1</sup>	67	103	53	38	14	65
Arkansas	30	—	22	—	8	—
Louisiana	13	27	10	24	3	3
Oklahoma	20	23	19	14	1	9
Texas <sup>1</sup>	4	53	2	—	2	53
MOUNTAIN <sup>1</sup>	27	50	19	18	8	12
Montana	6	3	5	2	1	1
Idaho <sup>1</sup>	1	—	1	—	—	—
Wyoming	—	5	—	4	—	1
Colorado	8	17	7	8	1	9
New Mexico	7	—	3	—	4	—
Arizona	5	—	2	—	1	—
Utah	1	5	1	4	—	1
Nevada	1	—	—	—	1	—
PACIFIC	12	219	11	167	1	52
Washington	6	74	5	46	1	28
Oregon	4	33	4	33	—	—
California	2	112	2	88	—	24

<sup>1</sup> Incomplete reporting, see footnote to table 136.



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