

S 2 SUP RJG

State Inst - Cambridge - Sup. Report

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WILLMAR STATE HOSPITAL

recently put into operation. Part of industrial therapy includes a carpenter who instructs individual patients in using each specialized tool and piece of equipment. Projects now underway include manufacturing furniture by patients for cottages, offices and canteen. A reduction in monies expended for furniture has been made and purchase of new furniture held to a minimum. While metal furniture is at times more desirable than wood furniture, the present wood chairs, tables, desks, etc., are being replaced by our shop with new styles of a more durable type than had previously been purchased. It is anticipated that a class of eight to ten patients can be maintained for instruction in the industrial therapy department.

NELSON J. BRADLEY, M.D.

Superintendent

Cambridge State School and Hospital

The Cambridge State School and Hospital was opened in 1925. At that time it was known as the Colony for Epileptics, and was operated under the administration of the Minnesota School for Feeble-Minded at Faribault. In 1927 it became an independent institution, which was known as the Minnesota Colony for Epileptics. In 1949 the Legislature changed the name of the institution to the Cambridge State School and Hospital.

The institution is located 45 miles north of Minneapolis on Highway 65, adjacent to the village of Cambridge. During its period of existence it has expanded from one building to an institution consisting of an administration building which houses two hospital wards, two wards for small children, the institution kitchen, bakery and laundry, and the administrative offices. The school department is also located in the basement portion of the administration building. In addition to the administration building, there are 10 cottages in operation, with an average population of about 100 patients, several small farm buildings, a central heating and power plant, a building which houses the auditorium and warehouse, a physicians' residence, and a nurses' dormitory for male employees.

J. Gully, M. D.	-----	Superintendent
Adolf Engel, M. D.	-----	Clinical Director
T. Sherman, M. D.	-----	Physician
R. Smith, M. D.	-----	Physician
David R. Johnson, M. D., Temporary	-----	Psychiatrist
Frances Barnes, M. D.	-----	Pediatrician
P. Wippermann, M. D.	-----	Consulting Ophthalmologist
Mer. M. Hill, M. D.	-----	Consulting Dermatologist
Samuel Bofenkamp, M. D.	-----	Consulting Otolaryngologist
Arnold Barno, M. D.	-----	Consulting Gynecologist
W. G. Caspers, M. D.	-----	Consulting Orthopedist
Edward J. Webber, M. D.	-----	Consulting Surgeon
Frank Halberg, M. D.	-----	Consultant in Research
Dr. K. Heilig, M. D., part-time	-----	Residence at U. of M. in Pediatrics
Dr. Bevis, M. D., part-time	-----	Residence at U. of M. in Pediatrics
Dr. R. Curran, D. D. S.	-----	Dentist
Helen Weld	-----	School Principal
George E. Bang	-----	Business Manager
George W. Hoglund	-----	Business Manager

Capacity of institution -----	1,108
Number of patients June 30, 1952 -----	1,098
Area of grounds, acres -----	359
Leased acres -----	92
Acreage under cultivation -----	194

Total expenditures from general revenue appropriations:

	Amount Per Capita		Amount Per Capita	
	1950-51		1951-52	
Current expense -----	\$397,466.59	\$369.41	\$ 423,749.82	\$396.76
Salaries -----	485,949.16	451.61	582,207.73	545.14
General repairs -----	13,814.49	12.84	15,799.70	14.80
Sub-total -----	\$897,230.24	\$893.86	\$1,021,757.25	\$956.70

Capital outlay:

Special repairs and improvements -----	\$ 9,931.88	\$ 9.23	\$ 7,937.80	\$ 7.44
Special equipment -----	3,493.02	3.24	2,956.98	2.77
Total operating cost -----	\$910,655.14	\$846.83	\$1,082,651.98	\$956.70
Average population -----	1076			

Number of officers and employees June 30, 1952:

Average population -----	1076	1068
Positions filled -----	223	
Positions unfilled -----	0	
Total approved positions -----	223	

Population

The population of the institution remained constant throughout the biennial period because vacancies are filled from the waiting list with little delay. During the year ending June 30, 1951, there were 20 male and 18 female patients admitted to the institution, 8 male and 6 female patients readmitted, and 3 male and 3 female patients received by transfers. The average population in the institution during this year was 1,073, and the average number absent from the institution on vacations and escape was 10.

For the period ending June 30, 1952, 45 male and 18 female patients were admitted to the institution as new admissions, 4 male and 2 female patients readmitted, and 9 male and 5 female patients received by transfer. The average population in the institution during this time was 1,098 and 33 was the average number absent on vacation and escape.

During the year ending June 30, 1951, 16 patients were discharged from the institution. During the year ending June 30, 1952, 17 patients were discharged. During the biennial period, 58 patients were transferred to other institutions.

Medical Services

Medical services during the biennium offered medical care for the various ailments of the patients, in addition to their anti-convulsant medication. During this time the number of seizures in the institution showed a marked reduction.

On admission, all new patients receive a complete physical and neurological examination with indicated x-rays. Laboratory tests include blood counts, urinalysis, blood Wasserman, nose and throat cultures, Widal tests, Mantoux tests, and chest x-rays. Younger children are given toxoid.

During the biennial period 46 operations were performed at this institution by our consultants. The general surgery was done by Dr. R. J. Webber, bone surgery by Dr. Carl Caspers, nose and throat surgery by Dr. Benjamin Bofenkamp, gynecological surgery by Dr. Alex Barno, and eye surgery by Dr. F. F. Wippermann. In addition to this surgery, several fractures were treated by the institution staff and the consultant in orthopedics. The dermatologist consultant, Dr. Elmer Hill, visited the institution routinely throughout the biennial period, assisting the staff in caring for various skin conditions of the patients.

Hasting State Hospital, Rochester State Hospital and Anoka State Hospital aided in caring for some of our more complicated surgery; all of the patients sent there were emergency or complicated cases.

Under the direction of Dr. Rudolf Engel, clinical director, a rather extensive electroencephalographic program was carried out. Electroencephalographs were done on all new admitted patients and many of the older patients in the institution.

For the year ending June 30, 1951, there were 14 male and 8 female deaths among the patient population, and for the year ending June 30, 1952, there were 14 male and 13 female deaths.

Dental Service

A full-time dentist is employed at the institution. A large amount of the dentist's time is consumed with dental hygiene work because many of

the patients show very little interest in dental hygiene, and because some of the anti-convulsant drugs cause hypertrophy and other disturbances of the gums.

During the biennium 5,470 dental examinations were made. Six gold fillings were installed, 140 cement fillings, 118 porcelain fillings, and 48 alloy fillings. Fifty-three dentures were made, 181 dentures were repaired, 47 relined, and 519 adjusted. Eight bridges were installed, 21 crowns made, 7 facings replaced, 17 facings reset. There were 207 dental x-rays taken, 693 extractions, 1,130 dental prophylaxis, and 2,568 cases for treatment.

Psychological Services

During the past two years a psychological service has been added to the institution, under the direction of a doctor of psychology. He has been of valuable assistance to the institution staff in determining capabilities of various patients for placement both in and out of the institution.

He has also given psychological tests to the children in the school department, and has assisted the school principal in properly placing them. In addition to this work he has helped the medical staff with psychotherapy for a large number of patients.

Educational Work

The school department consists of a principal, four literary teachers, three handicraft instructors, and one music teacher. The total enrollment in our industrial, literary and music classes was 325.

Academic classes are ungraded, but we endeavor to teach the subjects taught in a regular public school up through the eighth grade. Most of the literary students are enrolled in kindergarten, first, second and third grades, and a few are capable of doing seventh and eighth grade work. All children mentally capable of learning are enrolled in academic classes.

Each of the 12 handicraft classes meet for one period each day. The girls are taught textile painting, bobbin lace making, all types of embroidery, loom, waffle, and loop weaving, knitting, plain sewing, machine sewing, chocheting, tatting and leather crafts. The boys are taught wood work, wood finishing, and chair caning.

There were over 100 patients enrolled in music classes. The young girls, besides learning to read music by note, learned to play symphony harmony pipes, chimes, and rhythm instruments. The older boys and

were enrolled in brass, woodwind, and string instrument classes, church choirs, girls' glee club, mixed chorus, male octette, and harmonica classes.

The girls' glee club furnished much of the music needed to make our 1950 Christmas play a success. In February, 1951, they gave a musical comedy, which was also presented for the patients at Anoka, Moose Lake and Sandstone hospitals. Again this spring their cowboy musical was presented at Sandstone after being given on our home stage. They also participated in several morning worship services in the neighboring Lutheran and Baptist churches.

The school department is very proud of its audio-visual education equipment. We have a 16mm sound projector, which is shared with the recreation department, and every week we show educational films for the students. These films are rented from the University of Minnesota. We also have a filmstrip machine and a rather well-rounded filmstrip library, which is very helpful in the classroom.

We have quite a complete library of music appreciation records, including the R.C.A. Music Series, and the Vox Series on the lives of famous composers. We have many kindergarten records for the younger children.

Religious Services

During the biennium a full-time Catholic chaplain was added to the staff of the institution. We feel that his services helped the morale of many of the patients, and we would like to emphasize the need of a Protestant chaplain in this same role.

Religious services were conducted routinely at the institution for all groups of patients. The Catholic services were conducted by the institution chaplain, and state chaplain, Rabbi Kopstein, visited the Jewish patients and conducted services for them with the aid of a group of volunteer workers. The Protestant services were conducted by the pastors of the Cambridge community. We also had voluntary work in the institution by various religious groups from the community.

Research

During the biennial period the institution secured the services of Dr. Franz Halberg as a research specialist. A rather continuous research program has been in operation under the direction of Dr. Halberg and Dr. Adolf Engel. As a result of this research work, the following papers were published:

1. Engel, R., Halberg, F., & Gully, R.J.: Diurnal rhythm in EEG discharge and in circulating eosinophils in certain types of epilepsy electroencephalography and clinical neurophysiology 4:115-116 (presented at the Central Association of Electroencephalographers, U. of Illinois, College of Medicine, Chicago, November 24, 1951).

2. Halberg, F., Engel, R., Halberg, E., and Gully, R.J.: Diurnal variations in amount of electroencephalographic paroxysmal discharge and the diurnal eosinophil rhythm of epileptics on days with clinical seizures. Federation Proceedings 11:62, 1952 (introduced by M.B. Visscher).

3. Engel, R., Halberg, F., Ziegler, M., & McQuarrie, I.: Observations on two children with diabetes mellitus and epilepsy. The Journal of the Lancet, 72:242-248, 1952.

4. Halberg, F. & Engel, R.: The application of the 24-hour eosinophil rhythm to the study of seizure mechanisms: I. Methods; II. Results. In press, Epilepsia, 1952.

5. Halberg, F., Treloar, A.E., Engel, R., & Gully, R.J.: Endogenous eosinopenia in institutionalized patients with mental deficiency; submitted for publication.

Library

The library, operated in conjunction with the school department and open daily, consists of 2,565 non-fiction and fiction books. The books have been carefully selected and classified to meet the reading needs of both adults and children. Our library has the use of a Talking Book machine so that blind young people may listen to their favorite books. These same young people have periodicals coming in monthly for their use.

The Isanti County Library also has a branch library at the institution where there is a periodic change in the books throughout the county, thus enabling the more intelligent patients and the employees an opportunity to utilize the facilities of the county library.

Total circulation during the biennium was 26,869, including books, magazines and puzzles.

Farm and Garden

Because of the location of the institution and the consistency of the land, our farm is rather poor, with the result that small crops have been produced each year. However, considerable feed has been harvested each year for the institution herd, as well as a large amount of fresh vegetables which are utilized at the institution.

The institution has a herd of about 50 to 60 head of cattle, 25 to 30 of which are milk cows. With this herd we are able to produce about half of the milk consumed at the institution. The piggery has also furnished a portion of the pork used by the institution.

Turkeys at the institution were discontinued during the past year. However, the number of chickens has greatly increased: a large number of chickens are raised for butchering purposes, while some are kept during the winter months for egg production.

Buildings and Improvements

The men's home, which was approved by the 1949 Legislature, was completed during this biennial period. It furnishes 36 rooms for male employees, and is a vast improvement in living quarters for male employees.

The power plant, also approved by the 1949 Legislature, has been constructed and is now in operation. This new addition has increased our power facilities substantially.

A very fine cottage-type home has been erected as a physician's residence to house the clinical director. The 1951 Legislature also appropriated funds for the construction of a new addition to the administration building, which will be used as laundry and bakery.

Recreation and Amusement

During this biennial period considerable expansion took place in the recreation department of the institution. At the present time three patient activity leaders and four patient activity workers are employed full time.

All recreation in the institution has been under the supervision of this department, assisted by the psychiatric aides. It is the aim of this department to present as much entertainment and activity as possible to the backward patients. Their recreation program includes from 1 to 1½ hours daily in each of the backward wards, and consists of circle games, music, dancing, and various other activities. In addition, numerous parties are held weekly in the auditorium.

Over the two-year period, softball teams have been developed for both boys and girls. Inter-cottage games were played during the evenings, and all softball team participated in the local softball league.

In the winter months, basketball games were played between the various cottages, between the patients and employees, and with the Anoka State Hospital. We wish to thank the Anoka State Hospital for their

cooperation and interest in the inter-institutional games in both basketball and softball.

We have groups of volunteer recreation people coming to the institution, for which we are very grateful: the Aquatennial group, who have entertained us each year; the State Employees, Inc., for their entertainments; the Cambridge High School and the Rum River Saddle Club, for their very fine performances given on the institution grounds; and the Cambridge Business Men's Association, for sponsoring the Round-Up parades at the institution and the help given during the Christmas season—not to mention several other groups who have given single entertainments for the patients.

We also want to express appreciation to the group from the University of Minnesota in the dramatic department for their tireless efforts in visiting the institution and developing a dramatic club here. And we want to thank the institution school teachers for their participation in developing several programs for the patient population.

Christmas time was made much happier at the institution by the thoughtfulness of the members of the Friends of the Mentally Retarded who sponsored the Christmas gift drive with the aid of Cedric Adams. Many fine presents were received by the patients as a result of their efforts.

Personnel

Our allotted personnel is now 223 employees. This includes 120 psychiatric aides and 7 graduate nurses. Most of the 223 positions were filled during the biennial period; however, there were a few vacancies in one department or another throughout the period. Most of the vacancies existed in the professional group.

R. J. GULLY, M.D.
Superintendent

Minnesota School and Colony

(Faribault)

In 1879 the Legislature authorized the board of directors of the Minnesota Institute for the Deaf, Dumb and Blind to open an experimental department for feeble-minded children. In July of that year, a class was organized of 15 children transferred from the Rochester and St. Peter state hospitals. In 1881 the Legislature directed that the School for Idiots and Imbeciles be connected with the Minnesota Institute for Deaf, Dumb and Blind, and granted an appropriation of \$25,000 for the erection of a building, which was occupied the following year. In 1887 the school was made a department of the Minnesota Institute for Defectives. The name School for Feeble-Minded and Colony for Epileptics, was adopted in 1905, and changed in 1949 to Minnesota School and Colony.

The buildings include an administration building with connecting wings, several custodial buildings for boys and girls, a cottage for working boys, a cottage for boys working at the dairy, Hillcrest Cottage for boys, Riverview and Lilacs cottages for girls, central kitchen, bakery, laundry, power plant, building for women employees, six colony buildings for boys situated at the farm some distance from the main institution, the farm group which includes modern dairy barns with accommodations for 120 cows, several dwellings occupied by employees, and a superintendent's residence. A modern 200-bed hospital was opened in 1937. Three new dormitory buildings opened early in 1952 were added to the four dormitory buildings opened in 1947 as annexes to the hospital, forming the fourth large unit and given the name of East Grove Division.

This is the largest institution in the Division of Public Institutions. The patient population consists of persons of all ages, types, and classes of mental deficiency and of all degrees of physical fitness, except for those in the school-age moron group. They enter the Owatonna State School, unless some additional serious handicap is present which would prevent them from becoming self-supporting after completing their education and training, in which case they are admitted instead to the Minnesota School and Colony.

J. Engberg, M. D.	Superintendent
George L. Kennedy, M. D.	Physician II
Norman Lende, M. D.	Physician II
Elizabeth H. Bruhl, M. D.	Pediatrician I
George D. Eitel, M. D., F. A. C. S.	Consultant Surgeon
Orison A. Org, M. D.	Consultant Surgeon
Frank W. Stevenson, M. D.	Consultant, Oculist and Aurist
Clayton M. Hill, M. D.	Consultant Dermatologist
Norman E. Critchfield, M. D.	Consultant Pediatrician
Thomas Merner, M. D.	Consultant Radiologist
John F. Arnesen, M. D.	Consultant Internist
Edward S. Huguhin, D. D. S.	Dentist
W. G. Long, D. D. S.	Dentist
Walter A. Madaw	Clinical Psychologist
Thelma Perkins	Social Worker II
W. M. Hustad	Patients Program Supervisor
William Roewer	School Principal
Walter E. Krafve	Business Manager

Table 5-a
INSTITUTIONS FOR MENTALLY DEFICIENT AND EPILEPTIC
POPULATION MOVEMENT
 Year Ended June 30, 1951

	Total	Male	Female	Cambridge	Faribault	Owatonna	St. Cloud	Hastings Cottage for Ment. Def.	Ch.
Total on books at end of year -----	4439	2290	2149	1104	2872	369	94	—	—
Mentally defective only -----	3334	1744	1590	171	2700	369	94	—	—
Epileptic only -----	67	22	45	67	—	—	—	—	—
Both mentally defective and epileptic -----	1035	522	513	865	170	—	—	—	—
Neither mentally defective nor epileptic -----	3	2	1	1	2	—	—	—	—
In institution -----	4120	2117	2003	1019	2678	356	67	—	—
Vacations and escapes -----	319	173	146	85	194	13	27	—	—
Admitted: -----									
First admissions -----	322	193	129	38	131	43	13	97	4
Readmissions -----	49	25	24	14	27	3	1	—	—
Received by transfer -----	29	10	19	6	23	—	—	—	—
Total under care -----	4839	2518	2321	1162	3053	415	108	101	—
Discharged: -----									
Mentally defective -----									
Under age of self-support (18 yrs) -----	75	50	25	—	4	3	9	68	—
Capable of self or partial support -----	81	36	45	—	55	24	2	—	—
Incapable of productive work -----	—	—	—	—	—	—	—	—	—
Epileptic: -----									
As improved -----	7	2	5	7	7	7	7	7	—
As unimproved -----	16	9	7	16	—	—	—	—	—
Neither mentally defective nor epileptic -----	7	5	2	—	7	—	—	—	—
Transferred to other institutions -----	98	69	29	16	52	26	3	1	—
Escapes dropped from roll -----	11	9	2	—	—	11	—	—	—
Returned to county -----	81	50	31	22	59	—	—	—	—
Died -----	—	—	—	—	—	—	—	—	—
On books at end of year -----	4463	2288	2175	1101	2876	351	103	32	—
In institution -----	3976	2025	1951	984	2644	247	69	32	—
Vacations and escapes -----	487	263	224	117	232	104	34	—	—
Mentally defective only -----	3310	1725	1585	171	2660	351	103	25	—
Epileptic only -----	76	23	53	76	—	—	—	—	—
Both mentally defective and epileptic -----	1075	539	536	853	215	—	—	7	—
Neither mentally defective nor epileptic -----	2	1	1	1	1	—	—	—	—
AVERAGE POPULATION: -----									
In institution -----	4285	2201	2084	1073	2800	320	89	23	—
Vacations and escapes -----	—	—	—	—	—	—	—	—	—

Table 5-b
INSTITUTIONS FOR MENTALLY DEFICIENT AND EPILEPTIC
POPULATION MOVEMENT
 Year Ended June 30, 1952

	Total	Male	Female	Cambridge	Faribault	Owatonna	St. Cloud	Shakopee	Sauk Centre	Hastings Cottage for Ment. Def.	Ch.
Total on books at end of year -----	4463	2288	2175	1101	2876	351	103	—	—	32	—
Mentally defective only -----	3310	1725	1585	171	2660	351	103	—	—	25	—
Epileptic only -----	76	23	53	76	—	—	—	—	—	—	—
Both mentally defective and epileptic -----	1075	539	536	853	215	—	—	—	—	7	—
Neither mentally defective nor epileptic -----	2	1	1	1	1	—	—	—	—	—	—
In institution -----	3976	2025	1951	984	2644	247	69	—	—	32	—
Vacations and escapes -----	487	263	224	117	232	104	34	—	—	—	—
Admitted: -----											
First admission -----	604	401	203	63	322	55	17	35	108	4	—
Re-admissions -----	45	25	20	6	34	3	—	—	—	2	—
Received by transfer -----	56	40	16	14	41	—	1	—	—	—	—
Total under care -----	5168	2754	2414	1184	3273	409	121	35	108	38	—
Discharged: -----											
Mentally defective: -----											
Under age of self-support (18 yrs.) -----	49	27	22	—	7	7	—	1	—	34	—
Capable of self or partial support -----	95	37	58	3	58	32	2	—	—	—	—
Incapable of productive work -----	9	5	4	—	8	1	—	—	—	—	—
Epileptic: -----											
As improved -----	12	9	3	12	—	—	—	—	—	—	—
As unimproved -----	2	2	—	2	—	—	—	—	—	—	—
Neither mentally defective nor epileptic -----	8	6	2	—	8	—	—	—	—	—	—
Transferred to other institutions -----	144	102	42	42	44	22	7	7	18	4	—
Escapes dropped from roll -----	2	2	—	—	—	2	—	—	—	—	—
Returned to county -----	3	3	—	—	—	3	—	—	—	—	—
Died -----	102	61	41	27	71	1	—	—	3	—	—
On books at end of year -----	4742	2500	2242	1098	3077	341	112	27	87	—	—
In institution -----	4220	2211	2009	978	2872	199	62	27	82	—	—
Vacations and escapes -----	522	289	233	120	205	142	50	—	5	—	—
Mentally defective only -----	3587	1933	1654	166	2862	341	109	25	94	—	—
Epileptic only -----	69	20	49	69	—	—	—	—	—	—	—
Both mentally defective and epileptic -----	1085	547	538	862	215	—	3	2	3	—	—
Neither mentally defective nor epileptic -----	1	—	1	1	—	—	—	—	—	—	—
AVERAGE POPULATION: -----											
In institution -----	4397	2271	2126	1067	2838	309	67	27	66	23	—
Vacations and escapes -----	226	126	100	33	78	49	38	27	1	—	—

Table 5-c
INSTITUTIONS FOR MENTALLY DEFICIENT
AND EPILEPTIC

Age And Mental Diagnosis On Admission

Biennium Ended June 30, 1952

	Year Ended			Year Ended		
	June 30, 1952			June 30, 1951		
	Total	Male	Female	Total	Male	Female
TOTAL FIRST ADMISSIONS -----	604	401	203	322	193	129
AGE ON ADMISSION:						
Born at institution -----	7	4	3	8	5	3
Under 5 years -----	99	75	24	31	21	10
5 through 9 years -----	178	118	60	115	69	46
10 through 14 years -----	134	88	46	68	43	25
15 through 19 years -----	72	46	26	37	25	12
20 through 24 years -----	29	19	10	21	12	9
25 through 29 years -----	21	15	6	10	2	8
30 through 39 years -----	32	20	12	10	5	5
40 through 49 years -----	22	12	10	12	6	6
50 through 59 years -----	6	2	4	8	4	4
60 years and over -----	4	2	2	2	1	1
MENTAL DIAGNOSIS ON ADMISSION:						
Mentally defective only:						
Idiot -----	110	68	42	59	35	24
Imbecile -----	285	200	85	112	68	44
Moron -----	128	76	52	87	56	31
Epileptic only -----	10	8	2	6	2	4
Mentally defective and epileptic:						
Idiot -----	5	4	1	6	3	3
Imbecile -----	29	20	9	23	12	11
Moron -----	29	20	9	21	12	9
Neither mentally defective nor epileptic -----	8	5	3	8	5	3
TOTAL READMISSIONS -----	48	25	23	46	25	21
MENTAL DIAGNOSIS ON READMISSION:						
Mentally defective only:						
Idiot -----	6	4	2	3	2	1
Imbecile -----	16	10	6	8	7	1
Moron -----	18	6	12	21	8	13
Epileptic only -----	2	1	1	7	4	3
Mentally defective and epileptic:						
Idiot -----	—	—	—	—	—	—
Imbecile -----	3	1	2	2	1	1
Moron -----	2	2	—	5	3	2
Neither mentally defective nor epileptic -----	1	1	—	—	—	—

Table 5-d
INSTITUTIONS FOR MENTALLY DEFICIENT
AND EPILEPTIC
Age And Cause Of Death

Biennium Ended June 30, 1952

	Year Ended June 30, 1952			Year Ended June 30, 1951		
	Total	Male	Female	Total	Male	Female
TOTAL DEATHS IN INSTITUTIONS	101	61	40	80	50	30
AGE AT DEATH:						
Under 5 years -----	14	9	5	8	5	3
5 through 9 years -----	13	10	3	3	1	2
10 through 14 years -----	15	10	5	4	1	3
15 through 24 years -----	6	5	1	13	8	5
25 through 29 years -----	3	1	2	4	2	2
30 through 34 years -----	4	3	1	3	2	1
35 through 39 years -----	3	2	1	7	5	2
40 through 44 years -----	8	4	4	3	3	—
45 through 49 years -----	5	1	4	7	6	1
50 through 54 years -----	3	1	2	5	4	1
55 through 59 years -----	11	4	7	5	2	3
60 years and over -----	16	11	5	18	11	7
CAUSE OF DEATH:						
Tuberculosis of the lungs ----	5	4	1	2	1	1
Cancer and other malignant tumors -----	6	2	4	8	4	4
Cerebral hemorrhage & soft'ng	3	1	2	8	4	4
Diabetes -----	1	1	—	—	—	—
Epilepsy -----	9	7	2	13	9	4
Other diseases of the nervous system -----	2	1	1	6	5	1
Organic diseases of the heart --	11	4	7	5	4	1
Diseases of the arteries -----	1	1	—	9	6	3
Pneumonia -----	18	9	9	11	7	4
Diarrhea and enteritis -----	—	—	—	1	—	1
Nephritis and Bright's disease	1	—	1	1	1	—
Forms of violence other than suicide -----	1	1	—	1	—	1
All other causes -----	42	29	13	13	8	5
Cause unknown or ill-defined --	1	1	—	2	1	1