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**King Edward VII Sanatorium  
Midhurst**

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**TWENTIETH  
ANNUAL REPORT**

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**JULY 1925 to JULY 1926**

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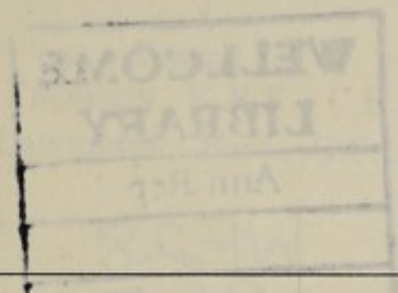
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King Edward VII Sanatorium

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Midhurst**



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ANNUAL REPORT**

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# King Edward VII Sanatorium Midhurst

## Twentieth Annual Report

JULY 1925 to JULY 1926

**D**URING the twelve months ending the 30th June, 1926, 268 patients were admitted to the Sanatorium, including 35 re-admissions and 42 who remained in residence too short a time to be considered in the records.

During the same period, 196 patients were discharged, of whom 55 were placed in Group I, 65 in Group II, and 64 in Group III. In 12 cases no definite evidence of pulmonary tuberculosis was obtained.\*

The number of applications for admission to the Sanatorium has been about the same as in the previous year. The average waiting list has again been higher, that is, between 11 and 12 for Men and 8 and 9 for Women.

The number of patients examined by the Medical Superintendent before admission, was 125. Of these, 99 or 79.2 per cent. were accepted as suitable; 26 or 20.8 per cent. were rejected.

The system of treatment adopted at Midhurst, is that common to most modern Sanatoria. It consists in a completely open-air life, a regular and ordered daily routine, a diet sufficient and nourishing without being excessive, and a system of carefully graduated rest and exercise. Grades of exercise up to the Group IV (of the Fourteenth Annual Report) are now employed; walking is the main form of exercise. The individual capacity for exercise is judged by a consideration of the results of "Exercise Tests," together with physical signs and symptoms.

Artificial pneumothorax is employed, either in cases of severe or repeated hæmoptysis, or where there has been lack of response to the usual sanatorium methods. When the treatment has been useful, some of the patients return to the Sanatorium after discharge, to be "refilled." A *résumé* of this treatment will be found on page 12.

\* For classification, see page 8-9.



The work of the Dental Department increases, and the corresponding value in the improvement of general condition by careful attention to the hygiene of the mouth, has been, in certain cases, very evident.

The social side of Sanatorium life is most important as an aid to treatment. The usual variety of entertainment has been provided by the Council and carried out with the co-operation of the patients through their General Purposes Committee. Several concerts were given mainly by London artistes. Sports were arranged on Bank Holidays, in which patients and relatives and other visitors were encouraged to join. The Wireless installation, being now connected to 50 bedrooms, can be used as a relaxation for bed patients. The Mashie Golf Course and the Putting Greens were used continuously throughout the year, and the Croquet lawns were much appreciated during the summer months.

### GENERAL STATISTICS.

The following Tables show an analysis of the 196 patients who were discharged during the past year, with regard to—

- (1) Place of Residence.
- (2) Occupation.
- (3) Age and Sex.
- (4) Married or Single.
- (5) Mode of Onset.
- (6) Duration of Disease.

TABLE I.—PLACE OF RESIDENCE

Place of Residence	Number of Patients	Place of Residence	Number of Patients
London .. .. .	57	Berkshire .. .. .	2
Surrey .. .. .	16	Cambridgeshire .. .. .	2
Essex .. .. .	15	Cheshire .. .. .	2
Sussex .. .. .	11	Devonshire .. .. .	2
Ireland .. .. .	9	Dorset .. .. .	2
Yorkshire .. .. .	9	Norfolk .. .. .	2
Kent .. .. .	8	Northamptonshire .. .. .	2
Hertfordshire .. .. .	7	Somersetshire .. .. .	2
Wales .. .. .	7	Suffolk .. .. .	2
Hampshire .. .. .	5	British West Indies .. .. .	1
Lancashire .. .. .	5	China .. .. .	1
Middlesex .. .. .	5	Durham .. .. .	1
Derbyshire .. .. .	4	Gloucestershire .. .. .	1
Buckinghamshire .. .. .	3	Lincolnshire .. .. .	1
Cornwall .. .. .	3	Northumberland .. .. .	1
Leicestershire .. .. .	3	Shropshire .. .. .	1
Warwickshire .. .. .	3	Westmorland .. .. .	1
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TABLE II.—OCCUPATION

Occupation	Number of Patients	Occupation	Number of Patients
Clerks .. .. .	56	Secretaries .. .. .	3
Housewives .. .. .	16	Clergymen .. .. .	2
Nil .. .. .	16	Doctors .. .. .	2
Managers .. .. .	14	Merchant Service .. .. .	2
Teachers .. .. .	11	Shop Assistants .. .. .	2
Engineers .. .. .	9	Solicitors .. .. .	2
Travellers and Agents .. .. .	9	Stock Brokers .. .. .	2
Nurses .. .. .	7	Architects and Surveyors .. .. .	1
Merchants .. .. .	5	Builders .. .. .	1
Students .. .. .	5	Companions .. .. .	1
Accountants .. .. .	4	Directors .. .. .	1
Dispensers and Chemists .. .. .	4	Farmers .. .. .	1
Actors and Actresses .. .. .	3	Manufacturers .. .. .	1
Army .. .. .	3	Musicians .. .. .	1
Civil Servants .. .. .	3	Royal Air Force .. .. .	1
Modistes and Milliners .. .. .	3	Sanitary Inspectors .. .. .	1
Royal Navy .. .. .	3	Woodworking Machinists .. .. .	1
			196

TABLE III.—AGE AND SEX.

Years	Males	Females	Total
Under 20 .. .. .	5	5	10
20-25 .. .. .	27	24	51
26-30 .. .. .	20	18	38
31-35 .. .. .	25	8	33
36-40 .. .. .	16	9	25
41-45 .. .. .	10	6	16
46-50 .. .. .	6	2	8
Over 50 .. .. .	12	3	15
TOTALS .. .. .	121	75	196

TABLE IV

Married .. .. .	82
Single .. .. .	114
	<u>196</u>

TABLE V.—MODE OF ONSET

Mode of Onset	Number of Cases	Percentage
Cough .. .. .	79	40.31 %
Hæmoptysis .. .. .	18	9.18 %
Pleurisy .. .. .	26	13.26 %
Influenza .. .. .	24	12.24 %
Pneumonia .. .. .	2	1.03 %
Other Modes .. .. .	47	23.98 %
	196	

TABLE VI.—DURATION OF DISEASE

Average Duration .. ..	2 years 1½ months.
Extremes .. ..	1 month—15 years.

TABLE VII.—GENERAL RESULTS OF TREATMENT AS SHOWN BY THE CONDITION OF THE PATIENTS ON ADMISSION AND ON DISCHARGE FROM THE SANATORIUM DURING THE YEAR 1925-1926

Group on Admission	Number of Cases	Arrested	Much Improved	Improved	Stationary or Worse	Died in Sanatorium
I	55	44	5	5	1	—
II	65	16	16	22	11	—
III	65	3	12	35	14	1
All Cases	185	63	33	62	26	1
IV	Patients in whom no definite evidence of Pulmonary Tuberculosis was found	Number of Cases				
		12	3	8	1	—

GROUPS.—As in previous Annual Reports, the Turban-Gerhardt classification has been used to indicate the clinical condition of patients on admission. This classification, based on physical signs, is as follows :—

Group I.—Disease of slight severity, limited to small areas of one lobe on either side, which, in the case of affection of both apices, does not extend beyond the spine of the scapula or the clavicle, or in the case of affection of the apex of one lung, does not extend below the second rib in front.

Group II.—Disease of slight severity, more extensive than Group I, but affecting at most, the whole of one lobe; or severe disease extending at most, to the half of one lobe.

Group III.—All cases of greater severity than Group II, and all those with considerable cavities.

By “disease of slight severity” is to be understood: disseminated foci characterised by slight dullness, indefinite, rough or weak vesicular, vesico-bronchial, or broncho-vesicular breathing, and fine and medium crepitations.

By “severe disease”: massive infiltration recognised by definite dullness, broncho-vesicular or bronchial breathing, with or without crepitations.

Cases with signs of considerable excavation, giving rise to tympanitic percussion with amphoric or cavernous breathing and numerous coarse consonating rales come under Group III.

Pleuritic dullness, if only of slight extent, is to be left out of account; if it is considerable, pleuritis should be specially mentioned under tuberculous complications.

The following terms are used to describe the condition of patients on discharge from the Sanatorium :—

“ DISEASE ARRESTED.”—General health completely restored in every respect, without any sign of disease of the lungs except such as is compatible with a completely healed lesion. Sputum, if still present, free from tubercle bacilli.

“ MUCH IMPROVED.”—General health good. Physical signs of disease in the lungs, though much diminished, not entirely cleared up, *e.g.*, limited to a few crepitations on cough only. Tubercle bacilli still to be detected in the sputum.

“ IMPROVED.”—General health improved, but not restored. Physical signs of disease in the lungs still present, though less marked than on admission.

“ STATIONARY.”—No appreciable improvement in the condition of the lungs or in the general health.

“ WORSE.”—General or local condition worse.

TABLE VIII.—DEMONSTRATION OF T.B. IN SPUTUM

On Admission				On Discharge			
Positive	..	..	III	Positive	..	..	80
Negative	..	..	51	Negative	..	..	69
No Sputum	..	..	22	No Sputum	..	..	35
Group IV Cases	..	..	12	..	..	..	12
Died in Sanatorium	..	..	I	..	..	..	I
All Cases	..	..	197	All Cases	..	..	197
Number of Patients who lost T.B. in Sanatorium				..	..	..	31

TABLE IX.—WEIGHT

Weight	Group I	Group II	Group III	Group IV
Gained	47	47	41	5
Lost	7	13	11	4
No Change	—	—	—	1
Not Weighed	1	5	12	2
All Cases	55	65	64	12

## SUMMARY

The Sanatorium continues to draw about half its patients from London and the Home Counties. Tables I and II would suggest that throughout the country as a whole it is not yet sufficiently utilised by the classes for whom it is intended.

One hundred and eighty-four cases were definitely diagnosed as suffering from Pulmonary Tuberculosis. Of these 129 or 70·11 per cent. were either moderately advanced or advanced. Sixty-three of the 184 were considered arrested and 33 much improved. It is instructive to note that while 44 of the 55 Group I cases were considered arrested, only 16 of the 65 Group II cases, and only 3 of the 64 Group III cases attained this result.

Weights of patients are taken weekly. Of the 167 Tubercular patients weighed just previous to discharge, 135 gained weight. Thirty-one of 111 patients with positive sputum lost their tubercle bacilli during residence in the Sanatorium.

It will be noted that the number of patients discharged is 196 as against 213 of the previous year. The length of stay has been slightly increased on the whole, while the greater number of artificial pneumothorax cases with necessarily prolonged residence as compared with ordinarily treated cases has been a decided factor in reducing the total discharged.

Twelve cases were discharged as Group IV, non-tubercular. These were entered as follows :—

Nil definite found	..	..	..	5	One had W.R. + but no consequent signs or symptoms.
General Debility	..	..	..	3	
Chronic Bronchitis and Emphysema				1	
Malignant Endocarditis	..	..	..	1	
Tertiary Syphilis	..	..	..	1	W.R. + + Signs and X-ray suggested Syphiloma of lung.
Return Cases	..	..	..	1	Since re-admitted.
				—	
				TOTAL	.. 12
					—

## REPORTS OF SPECIAL DEPARTMENTS.

### REPORT OF THE THROAT DEPARTMENT.

All the patients discharged during the year ending 30th June, 1926, were examined laryngoscopically by Sir St. Clair Thomson. In 170 the larynx was found to be normal; in 27 diseased. The results of treatment are shown in Tables X, XI and XII.

TABLE X.—SHOWING THE RESULT ON DISCHARGE OF TREATMENT IN PATIENTS SUFFERING FROM TUBERCULOSIS OF THE LARYNX IN WHOSE SPUTUM TUBERCLE BACILLI *were* DEMONSTRATED IN THE SANATORIUM

	Number of Cases	Cured	Improved	Stationary or Worse	Died in Sanatorium	Remarks
Group I ..	—	—	—	—	—	For cases treated with galvano-cautery <i>see</i> Table XII.
Group II ..	3	1	1	1	—	
Group III ..	18	7	7	4	—	
All cases ..	21	8	8	5	—	

TABLE XI.—SHOWING THE RESULT ON DISCHARGE OF TREATMENT IN PATIENTS SUFFERING FROM TUBERCULOSIS OF THE LARYNX IN WHOSE SPUTUM TUBERCLE BACILLI *were not* DEMONSTRATED IN THE SANATORIUM

	Number of Cases	Cured	Improved	Stationary or Worse	Died in Sanatorium	Remarks
Group I ..	2	1	1	—	—	For cases treated with galvano-cautery <i>see</i> Table XII.
Group II ..	2	1	1	—	—	
Group III ..	2	1	—	—	1	
All cases ..	6	3	2	—	1	

TABLE XII.—SHOWING THE RESULT ON DISCHARGE OF TREATMENT WITH THE GALVANO-CAUTERY IN PATIENTS SUFFERING FROM TUBERCULOSIS OF THE LARYNX

	Number of Cases	Cured	Improved	Stationary or Worse	Died in Sanatorium	Remarks
Group I ..	1	1	—	—	—	
Group II ..	2	2	—	—	—	
Group III ..	6	5	1	—	—	
All cases ..	9	8	1	—	—	

## ARTIFICIAL PNEUMOTHORAX.

During the period under review, the production of Artificial Pneumothorax was attempted in 16 cases. The number of cases in which the diagnosis of Pulmonary Tuberculosis was made was 184; the percentage was therefore 8.69 per cent.

Eight cases were considered as "first choice." In all these 8, a satisfactory pleural space was found. Four (13/362, 13/309, 13/347 and 14/19) attained good collapse. Of the 8 cases, 3 (14/13, 14/19 and 14/22) showed complete healing of laryngeal disease which had not responded to previous treatment by "silence." All 8 continue refills to date with satisfactory result.

The remaining 8 were considered "medium choice" cases. In one case no satisfactory pleural space could be found (E.V.D.). One was given up (13/222) after attaining good collapse, owing to rapidly advancing Abdominal Tuberculosis. Of the remaining 6, 4 have attained good collapse; all 6 continue refills. Of the 14 cases in which the treatment was possible, 11 have left the Sanatorium, all much improved.

	First Choice		Medium Choice	
	13/362	Satisfactory	13/383	Satisfactory
	13/309	Satisfactory	14/14	Satisfactory
	13/347	Satisfactory	14/15	Satisfactory
Larynx	14/13	Fair	E.V.D.	Failure
	14/28	Fair	14/15	Satisfactory
Larynx	14/19	Satisfactory	F.I.	Fair
	13/275	Fair	A.M.G.	Fair
Larynx	14/22	Fair	13/222	Given up for Abdominal Tuberculosis

NOTE.—*First Choice Cases.*— Cases with involvement of one lung.

*Medium Choice Cases.*—Cases with cavitation or much evident fibrosis of one lung.

Cases with involvement of the better lung not beyond the upper third.

*Palliative Cases.*—

Cases *in extremis*, e.g., with hæmoptysis.

Cases with bilateral disease—but with a possibility of aid by limited pneumothorax on the more active side.

## REPORT OF THE X-RAY DEPARTMENT.

The sole change of importance made in the X-Ray room during the past year, has been the substitution of amber tinted bulbs for the ordinary lights. This slight alteration, by its speeding up of visual accommodation, has contributed largely to the smoothness and rapidity of the working of the Department.

Although only the usual variety of cases has been investigated, the number of examinations is on the increase and the screen is more than ever being used as a vital means of controlling the production and conduct of Artificial Pneumothorax.

The following figures give the examinations for the last three years :—

Year	Artificial Pneumothorax					Total Examinations
1923-1924	..	..	—	..	..	155
1924-1925	..	..	—	..	..	512
1925-1926	..	..	171	..	..	547

It will be seen that no figures are given respecting Artificial Pneumothorax examinations for 1924-1925. Artificial Pneumothorax patients were X-rayed during this period but a separate record was not kept and the figures cannot be disentangled from the total.

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## REPORT OF THE DENTAL DEPARTMENT.

The following work was carried out from July, 1925 to June, 1926 :—

Stoppings, 166 ; Root Treatments, 6 ; Scalings, 28 ;  
Extractions, 106 ; Dentures, 12 ; Repairs, 12 ; Radiographs, 4.

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## REPORT OF THE DEPARTMENT OF PATHOLOGY.

Work in the laboratory during the year has comprised :—

(1) *Routine examinations of sputa* for the presence of tubercle bacilli.

A total of 2,019 samples of sputum were examined, the procedure being that described in the Fourteenth Annual Report, 1919-1920, page 8. Of 373 patients, 329 had their sputa examined for tubercle bacilli ; the remaining 44 had no sputum.

Of the 329 patients whose sputum examined, 251 proved to be T.B. positive at one time or other during their stay in the Sanatorium. In the remaining 78 the sputum was persistently negative.



A note was made of the type of each sample of sputum examined.

	Positive	Negative	Positive %
Typical purulent sputum ..	825	547	60·1
Sputum containing a little pus..	38	451	7·7
Poor Watery samples .. ..	9	149	5·6
Total number of samples ..	872	1,147	

Of the 251 positive cases, T.B. was found on the first examination in 217 cases, on the second in 12, on the third in 11, on the fourth in 2, on the fifth in 2, on the sixth in 4, on the seventh in 2, and on the eleventh in 1.

No continuous research has been carried out during the year under review owing to changes in the Laboratory Staff.

Dr. A. H. Miller left on December 5th, 1925 and Dr. W. L. Yell, who was appointed to the post, left to take an appointment under the Essex County Council on May 14th, 1926. For the remaining period of the year, no pathologist was in residence.

Dr. Miller reports :—

“ The research on the new ester compound mentioned in the last report was continued. It was found that this substance had no effect for good on the severe forms of tuberculosis in laboratory animals. But in some of the localised manifestations of the disease, *e.g.*, tuberculous testis, where the virulence of the tubercle bacillus is not high, there were undoubted instances of improvement. The compound has been tried and is being tried on patients outside the Sanatorium.”

### REPORT OF THE STATISTICAL DEPARTMENT.

The work of the Statistical Department has been carried out on the same lines as in previous years (*see* Annual Reports V, XI and XII). The number of patients discharged from the Sanatorium up to date is 4,797. This number does not include Group IV cases, re-admissions or patients who were in residence too short a time to be included in the records. Those of whom information could not be obtained number 116, or 2·42 per cent.

The statistics of the ultimate results of the enquiry are shown in the following Tables :—

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**STATISTICAL TABLES.**

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TABLE AI.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were demonstrated in the Sanatorium*

All cases considered together

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge													Number Dead in 1926	Number lost sight of in 1926						
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920			1921	1922	1923	1924	1925	1926
1906/07	125	94	82	73	65	56	42	38	47	46	42	42	38	39	34	36	34	34	33	31	90	4
1907/08	206	—	149	129	112	94	71	72	70	70	75	72	63	59	58	54	54	55	52	50	152	4
1908/09	205	—	—	154	110	93	70	64	55	64	67	62	60	56	55	52	48	48	47	45	157	3
1909/10	192	—	—	—	138	112	90	75	69	73	71	69	60	61	56	53	51	49	48	47	142	3
1910/11	197	—	—	—	—	133	92	88	74	73	72	69	61	56	48	47	44	44	39	38	153	6
1911/12	198	—	—	—	—	—	111	95	81	76	72	68	55	54	50	46	44	43	40	34	153	11
1912/13	160	—	—	—	—	—	—	113	94	78	75	67	49	52	49	48	45	42	40	35	122	3
1913/14	177	—	—	—	—	—	—	—	118	84	86	82	75	75	68	60	55	49	47	46	128	3
1914/15	193	—	—	—	—	—	—	—	—	123	117	104	83	83	75	71	68	61	61	55	135	3
1915/16	154	—	—	—	—	—	—	—	—	—	105	93	68	65	57	51	48	41	38	35	117	2
1916/17	212	—	—	—	—	—	—	—	—	—	—	166	127	116	105	99	89	79	79	74	136	2
1917/18	184	—	—	—	—	—	—	—	—	—	—	—	118	115	95	82	80	69	70	62	117	5
1918/19	198	—	—	—	—	—	—	—	—	—	—	—	—	165	136	121	112	102	99	92	98	8
1919/20	196	—	—	—	—	—	—	—	—	—	—	—	—	—	165	140	126	110	100	91	100	5
1920/21	197	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	141	116	96	89	105	3
1921/22	176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	150	127	111	92	83	1
1922/23	165	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	135	114	100	62	3
1923/24	166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124	112	53	1
1924/25	128	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	22	0

TABLE A2.—STATISTICS OF ULTIMATE RESULTS .

*Cases in the Sputum of which T.B. were demonstrated in the Sanatorium*

Group I considered separately

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge																	Number Dead in 1926	Number lost sight of in 1926		
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924			1925	1926
1906/07	30	27	23	21	20	20	15	14	17	17	19	18	16	18	14	15	14	14	14	13	15	2
1907/08	45	43	40	35	31	27	27	28	30	29	32	32	27	28	27	25	26	26	24	24	21	0
1908/09	28	—	26	23	20	16	16	16	12	15	15	15	15	14	14	14	13	13	13	13	14	1
1909/10	43	—	—	39	37	34	27	25	25	29	30	30	28	25	25	23	22	22	22	21	22	0
1910/11	45	—	—	—	41	47	31	28	30	29	29	30	28	27	22	22	20	20	17	17	26	2
1911/12	33	—	—	—	—	27	21	20	20	20	20	19	15	16	12	12	12	12	12	10	20	3
1912/13	15	—	—	—	—	—	14	14	12	11	11	10	9	7	8	8	8	8	8	6	9	0
1913/14	19	—	—	—	—	—	17	14	14	16	16	17	14	15	13	10	11	11	10	10	8	1
1914/15	20	—	—	—	—	—	—	—	16	17	16	16	12	13	11	12	12	12	12	10	8	2
1915/16	16	—	—	—	—	—	—	—	—	15	14	14	11	13	12	11	11	11	11	11	5	0
1916/17	24	—	—	—	—	—	—	—	—	—	24	24	22	23	22	22	20	20	19	19	4	1
1917/18	15	—	—	—	—	—	—	—	—	—	—	—	12	14	11	11	11	11	12	12	3	0
1918/19	10	—	—	—	—	—	—	—	—	—	—	—	—	10	10	9	9	9	9	9	0	1
1919/20	29	—	—	—	—	—	—	—	—	—	—	—	—	—	29	27	26	24	22	22	7	0
1920/21	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42	30	38	34	34	10	1
1921/22	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25	23	22	21	4	0
1922/23	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	27	27	2	0
1923/24	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	21	20	2	0
1924/25	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15	0	0

TABLE A3.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were demonstrated in the Sanatorium*

Group II considered separately

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge													Number Dead in 1926	Number lost sight of in 1926						
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920			1921	1922	1923	1924	1925	1926
1906/07	57	50	45	40	37	31	22	18	24	23	18	19	18	17	17	17	17	17	16	15	40	2
1907/08	85	—	69	51	56	47	32	35	31	33	32	32	28	24	24	24	23	24	23	22	59	4
1908/09	94	—	—	82	59	48	34	40	32	38	36	36	34	34	31	31	31	31	31	29	63	2
1909/10	99	—	—	—	69	59	44	33	36	36	32	32	28	26	24	25	24	25	24	25	72	2
1910/11	100	—	—	—	—	68	43	37	40	37	35	35	29	28	22	22	21	19	18	18	78	4
1911/12	110	—	—	—	—	—	65	41	49	43	41	34	34	33	29	29	28	25	25	22	82	6
1912/13	101	—	—	—	—	—	—	51	68	53	45	33	33	38	35	32	29	28	28	25	73	3
1913/14	95	—	—	—	—	—	—	55	74	54	54	51	51	50	42	40	34	32	31	31	62	2
1914/15	99	—	—	—	—	—	—	74	—	74	69	69	57	57	46	43	38	39	36	36	62	1
1915/16	71	—	—	—	—	—	—	—	—	—	49	49	35	33	24	22	17	14	12	58	1	
1916/17	99	—	—	—	—	—	—	—	—	—	89	89	72	65	56	50	44	46	43	55	1	
1917/18	86	—	—	—	—	—	—	—	—	—	—	—	63	50	48	48	40	41	36	46	4	
1918/19	98	—	—	—	—	—	—	—	—	—	—	—	—	69	64	60	60	59	56	39	3	
1919/20	69	—	—	—	—	—	—	—	—	—	—	—	—	—	55	48	46	43	42	25	2	
1920/21	62	—	—	—	—	—	—	—	—	—	—	—	—	—	56	47	38	31	28	32	2	
1921/22	48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43	35	31	27	21	0	
1922/23	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	24	23	4	1	
1923/24	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26	25	4	0	
1924/25	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52	7	0	

TABLE A4.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were demonstrated in the Sanatorium*

Group III considered separately

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge													Number Dead in 1926	Number lost sight of in 1926							
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920			1921	1922	1923	1924	1925	1926	
1906/07	38	17	14	12	8	6	5	6	6	6	5	6	4	4	3	3	3	3	3	3	35	0	
1907/08	76	37	37	28	22	18	12	12	8	8	8	12	7	7	5	5	5	5	5	4	4	72	0
1908/09	83	—	—	40	31	22	13	12	11	11	11	11	11	8	4	4	4	4	3	3	80	0	
1909/10	50	—	—	—	25	16	12	10	8	8	8	6	4	5	3	2	2	2	2	1	1	48	1
1910/11	52	—	—	—	—	17	9	8	6	6	6	4	4	3	3	3	3	3	3	3	3	49	0
1911/12	55	—	—	—	—	—	19	15	12	13	11	11	5	5	3	3	3	3	3	2	2	51	2
1912/13	44	—	—	—	—	—	—	22	12	13	13	12	6	7	4	5	5	5	4	4	4	40	0
1913/14	63	—	—	—	—	—	—	—	27	16	15	11	10	10	8	7	4	4	4	5	5	58	0
1914/15	74	—	—	—	—	—	—	—	—	33	26	19	14	13	13	13	11	11	10	9	9	65	0
1915/16	67	—	—	—	—	—	—	—	—	—	36	30	22	19	16	15	13	13	13	12	12	54	1
1916/17	89	—	—	—	—	—	—	—	—	—	—	53	33	28	21	17	15	13	13	12	77	0	
1917/18	83	—	—	—	—	—	—	—	—	—	—	—	43	36	29	20	18	17	17	14	68	1	
1918/19	90	—	—	—	—	—	—	—	—	—	—	—	—	69	54	39	33	31	27	27	59	4	
1919/20	98	—	—	—	—	—	—	—	—	—	—	—	—	—	73	58	38	33	27	27	68	3	
1920/21	90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58	40	31	27	27	63	0	
1921/22	103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58	69	58	44	44	58	1	
1922/23	108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82	80	62	50	56	2	
1923/24	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	67	47	47	1	
1924/25	54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39	39	15	0	

TABLE A5.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium*

All cases considered together

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge.													Number Dead in 1926	Number lost sight of in 1926						
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920			1921	1922	1923	1924	1925	1926
1906/07	24	23	20	19	19	18	15	14	16	18	19	21	19	18	18	18	18	18	16	17	4	3
1907/08	51	—	49	47	45	40	33	34	35	37	38	39	37	35	36	34	34	34	33	33	14	4
1908/09	66	—	—	57	45	41	33	47	40	40	43	44	44	44	42	43	43	43	43	39	21	6
1909/10	59	—	—	—	54	49	44	48	42	49	43	49	43	42	42	42	41	40	39	39	15	5
1910/11	48	—	—	—	—	42	32	38	37	40	34	37	34	33	31	30	32	31	31	31	15	2
1911/12	48	—	—	—	—	—	36	32	36	34	29	36	31	27	27	27	27	27	27	27	17	4
1912/13	31	—	—	—	—	—	—	29	28	25	24	24	26	25	24	25	24	23	23	23	7	1
1913/14	41	—	—	—	—	—	—	—	37	31	36	33	35	33	32	33	33	34	34	34	6	1
1914/15	35	—	—	—	—	—	—	—	—	28	29	31	24	23	20	22	22	21	20	20	13	2
1915/16	59	—	—	—	—	—	—	—	—	—	51	47	47	44	45	44	43	44	43	43	14	2
1916/17	58	—	—	—	—	—	—	—	—	—	56	53	53	47	50	47	48	48	50	50	6	2
1917/18	117	—	—	—	—	—	—	—	—	—	—	108	105	102	95	98	97	97	98	98	16	3
1918/19	119	—	—	—	—	—	—	—	—	—	—	—	115	112	109	107	104	103	102	102	11	6
1919/20	78	—	—	—	—	—	—	—	—	—	—	—	—	75	74	72	71	68	68	8	2	
1920/21	66	—	—	—	—	—	—	—	—	—	—	—	—	—	66	66	64	64	63	63	1	2
1921/22	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	92	84	82	81	81	12	0
1922/23	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46	44	44	44	7	0
1923/24	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65	63	63	5	0
1924/25	72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	71	71	0	1

TABLE A6.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium*

Group I considered separately

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge																	Number Dead in 1926	Number lost sight of in 1926			
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924			1925	1926	
1906/07	16	16	14	14	14	14	10	10	11	13	15	15	14	14	13	13	14	14	13	14	14	1	1
1907/08	31	30	30	29	25	23	23	22	22	24	26	25	24	24	22	23	23	23	23	23	23	6	2
1908/09	39	—	36	28	27	19	31	25	25	23	25	28	27	28	29	27	28	28	28	28	26	8	5
1909/10	42	—	—	39	36	32	36	30	30	34	35	35	32	33	32	32	32	31	31	31	30	8	4
1910/11	37	—	—	—	33	25	30	29	29	29	29	29	27	27	26	24	24	25	24	24	24	11	2
1911/12	26	—	—	—	—	22	22	23	20	20	21	21	20	20	18	18	18	18	18	18	18	7	1
1912/13	19	—	—	—	—	—	18	17	16	16	18	17	14	15	14	15	15	15	14	14	14	4	1
1913/14	28	—	—	—	—	—	—	26	21	28	27	27	25	26	24	25	25	25	26	26	26	1	1
1914/15	17	—	—	—	—	—	—	—	13	15	14	14	9	13	11	11	12	12	12	11	11	5	1
1915/16	32	—	—	—	—	—	—	—	—	31	32	29	29	29	27	28	27	27	28	29	29	3	0
1916/17	34	—	—	—	—	—	—	—	—	—	—	33	31	33	31	31	29	31	30	32	2	0	0
1917/18	51	—	—	—	—	—	—	—	—	—	—	—	47	46	42	44	44	45	45	46	4	1	1
1918/19	35	—	—	—	—	—	—	—	—	—	—	—	—	34	33	33	32	32	34	33	0	2	2
1919/20	50	—	—	—	—	—	—	—	—	—	—	—	—	47	48	47	45	45	44	43	5	5	2
1920/21	48	—	—	—	—	—	—	—	—	—	—	—	—	—	48	48	47	47	47	46	1	1	1
1921/22	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	49	48	48	47	4	0	0
1922/23	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	32	32	32	3	0	0
1923/24	43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	0
1924/25	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0	1



TABLE A7.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium*

Group II considered separately

Year of Discharge	Number Discharged	Number reported "Well" or "Alive" in each successive year after Discharge													Number Dead in 1926	Number lost sight of in 1926					
		1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920			1921	1922	1923	1924	1925
1906/07	7	6	5	5	5	5	4	5	5	6	6	6	5	5	4	4	4	3	3	2	2
1907/08	18	18	15	14	13	11	12	13	12	13	13	13	12	12	10	10	10	10	10	7	1
1908/09	25	—	20	16	13	14	15	14	14	15	15	15	15	14	14	14	14	14	12	12	1
1909/10	15	—	—	13	11	10	10	11	9	9	12	12	9	9	9	9	9	8	8	6	1
1910/11	10	—	—	—	8	8	8	8	7	7	8	8	7	7	6	7	7	7	7	3	0
1911/12	20	—	—	—	—	14	9	12	10	8	14	14	8	10	8	8	8	8	8	9	3
1912/13	9	—	—	—	—	—	9	9	7	8	8	8	8	8	7	7	7	7	7	2	0
1913/14	11	—	—	—	—	—	—	9	9	8	8	8	8	7	7	7	7	7	7	4	0
1914/15	14	—	—	—	—	—	—	—	13	13	13	13	10	10	9	9	9	9	9	5	0
1915/16	23	—	—	—	—	—	—	—	—	19	16	16	15	15	15	14	14	14	12	9	2
1916/17	24	—	—	—	—	—	—	—	—	—	23	22	20	19	18	17	18	18	18	4	2
1917/18	59	—	—	—	—	—	—	—	—	—	—	55	51	50	48	47	47	47	47	10	2
1918/19	71	—	—	—	—	—	—	—	—	—	—	—	68	67	68	66	66	64	64	4	3
1919/20	20	—	—	—	—	—	—	—	—	—	—	—	—	20	20	20	20	18	19	1	0
1920/21	14	—	—	—	—	—	—	—	—	—	—	—	—	—	14	14	13	13	13	0	1
1921/22	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	26	27	27	1	0
1922/23	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	7	7	2	0
1923/24	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	14	1	0
1924/25	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18	0	0



TABLE BI.—STATISTICS OF ULTIMATE RESULTS

Cases in the Sputum of which T.B. were demonstrated in the Sanatorium

Condition on Admission	Discharged during the Year																			Condition in 1926	
	1906/07	1907/08	1908/09	1909/10	1910/11	1911/12	1912/13	1913/14	1914/15	1915/16	1916/17	1917/18	1918/19	1919/20	1920/21	1921/22	1922/23	1923/24	1924/25		
Group I	Disease Arrested	8	11	11	6	8	5	3	3	7	11	1	3	10	23	12	17	11	10	Alive Dead Lost sight of	
	Much Improved	6	12	2	7	3	7	5	3	5	1	1	2	—	—	—	—	—	—	—	—
		2	—	1	—	—	—	2	1	1	—	—	—	—	—	1	—	—	—	—	—
	Improved	5	11	2	13	9	4	3	6	6	2	7	9	5	10	11	9	10	7	2	Alive Dead Lost sight of
		8	6	9	10	18	12	3	3	2	4	1	—	—	5	8	2	2	1	—	—
	—	—	—	—	—	1	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—
	Stationary or Worse	—	2	—	1	—	—	—	—	—	—	1	1	1	2	—	—	—	—	2	Alive Dead Lost sight of
		1	1	1	3	1	—	—	1	1	—	1	—	—	1	1	1	—	1	—	—
	Disease Arrested	3	1	8	9	9	11	9	7	1	2	—	1	—	—	—	—	—	1	1	Alive Dead Lost sight of
		3	2	4	4	6	9	14	8	6	5	5	3	—	—	3	2	1	—	—	—
Much Improved	10	20	16	11	7	7	11	19	22	7	33	25	42	27	16	6	9	10	9	Alive Dead Lost sight of	
	21	25	20	33	42	37	24	29	32	28	31	28	21	19	25	2	13	15	26	—	
1	3	1	—	—	2	1	2	—	—	1	1	2	2	2	2	—	3	3	1	—	



TABLE B2.—STATISTICS OF ULTIMATE RESULTS

*Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium*

Condition on	Discharged during the Year																			Condition in 1926
	1906/ 07	1907/ 08	1908/ 09	1909/ 10	1910/ 11	1911/ 12	1912/ 13	1913/ 14	1914/ 15	1915/ 16	1916/ 17	1917/ 18	1918/ 19	1919/ 20	1920/ 21	1921/ 22	1922/ 23	1923/ 24	1924/ 25	
Admission	12	19	21	27	23	17	11	6	5	27	19	36	24	34	43	43	26	35	37	Alive
Discharge	1	4	7	7	11	7	2	—	1	3	1	4	—	4	1	4	1	1	—	Dead
Disease Arrested	1	2	5	4	1	1	1	—	1	—	—	1	2	1	1	—	—	—	—	Lost sight of
Much Improved	2	4	2	2	1	—	—	18	4	2	13	8	8	4	1	2	4	5	10	Alive
Improved	—	1	1	—	—	—	2	1	4	—	1	—	—	1	—	—	2	—	—	Dead
Stationary or Worse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lost sight of
Disease Arrested	2	6	5	4	4	3	3	1	1	6	8	12	26	11	10	21	5	9	9	Alive
	2	2	2	2	2	3	1	1	—	5	1	5	1	1	—	1	2	—	—	Dead
	1	—	1	—	—	—	—	—	—	1	—	2	—	—	1	—	—	—	—	Lost sight of

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