Annual report: 1921/22 / King Edward VII Sanatorium, Midhurst.

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King Edward VII Sanatorium (Midhurst, England)

Publication/Creation

Midhurst, Sussex: The Sanatorium, 1920

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KING EDWARD VII SANATORIUM MIDHURST

Sixteenth Annual Report

JULY 1921 to JULY 1922

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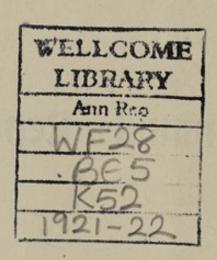
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KING EDWARD VII SANATORIUM MIDHURST

Sixteenth Annual Report

JULY 1921 to JULY 1922

PUBLISHED AT
KING EDWARD VII SANATORIUM
MIDHURST, SUSSEX
1923



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KING EDWARD VII SANATORIUM MIDHURST

Sixteenth Annual Report

JULY 1921 to JULY 1922

During the twelve months ending the 30th June, 1922, 301 patients were admitted to the Sanatorium, including 33 readmissions and 34 who remained in residence too short a time to be considered in the records.

During the same period 275 patients were discharged, of whom 76 were placed in Group I., 77 in Group II., and 118 in Group III.* In 4 cases no definite evidence of pulmonary tuberculosis was obtained.

There has been a steady demand for beds, the average number of applicants on the waiting list per week having been:—for Men 5·2, for Women 4·5.

The number of patients examined by the Medical Superintendent before admission was 167. Of these 124 or 74·2 per cent. were accepted as suitable; 43 or 25·7 per cent. were rejected.

The system of treatment adopted at Midhurst is now 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, which provides at the same time interesting occupation, all-important in tuberculosis. The several grades of exercise which have been adopted during the year differ only in minor details from those given in the Fourteenth Annual Report (1919–1920), p. 6. They are six in number: Patients who for a week have done a daily walk of six miles without rise of temperature start on Grade I.; and they are gradually promoted through the intermediate stages to Grade VI.

Artificial pneumothorax is employed, with co-operation of the Honorary Radiologist, either in cases of severe or repeated Hæmoptysis, or when there has been lack of response to the usual sanatorium methods. When the treatment has been useful, the patients return to the Sanatorium to be "refilled," stay the night, and leave next day. The results of this method in the past twelve months are shown in Table II., p. 7.

As will be seen from the report, the Dental Department has done much useful work during the year. The value of dental hygiene and the removal of septic teeth in improving the general condition of tuberculous patients cannot be over-estimated.

The Social side of Sanatorium life is carefully arranged, and the necessary variety of entertainment has been well maintained in the past twelve months. The General Purposes Committee consists of patients. They elect a President, who also acts as Secretary. Under their management a series of concerts and other entertainments, such as whist-drives, etc., were given, and the outdoor sports—golf, croquet and bowls—were enjoyed throughout the summer.

The General Results of Treatment are set forth in the following table:—

TABLE I.—GENERAL RESULTS OF TREATMENT AS SHOWN BY THE CONDITION OF THE PATIENTS ON DISCHARGE FROM THE SANATORIUM DURING THE YEAR 1921-1922

Group	Number of Cases	Arrested	Much Improved	Improved	Stationary or Worse	Died in Sanatorium
I. II.	76	60	13	3	0	0
111.	77 118	17	35 65	30	5	I
All Cases	271	107	113	43	6	2
IV. {	Patients in whom no definiteevidence of Pulmonary Tuberculosis was found	Number of Cases	ī	3	_	

TABLE II.—CASES TREATED BY THE INDUCTION OF ARTIFICIAL PNEUMO-THORAX 1st July, 1921-30th June, 1922

Remarks	Patient now attends for re-fills at six weeks intervals. Last injection 700 cc.	Patient now in good health. Attends the Frompton Hospital for re-fills.	In June there was a hæmorrhage and rise of temperature controlled by two re-fills. Dyspnæa increased until November, when a re-fill was followed by marked dypsnæa and raised temperature, and the treatment was discontinued. Patient has subsequently improved in a nursing home.	Introduction of 400 cc. on four occasions after much difficulty with adherent pleura. Patient was highly nervous, and as there was no marked improvement treatment was discontinued.
Result	Good. Hæmopty- sis controlled.	Good. Tempera- ture controlled.	Good at first. Temp. steady, sputum decreas- ed. Later un- satisfactory.	Unsatisfactory.
Date of 1st Operation	22nd October, 1921	30th November 1921	16th March, 1922	and June, 1922
Indications for Artificial Pneumothorax	Severe and prolonged hæmoptysis. Total, 71 ozs. in 12 days. Patient was in a collapsed condition.	Persistent pyrexia up to 101° not yielding to absolute rest. Troublesome cough, and expectoration 1 oz.	Previous treatment at King Edward VII. Sanatorium from 21.1.21 to 15.7.21. Left much improved. Subsequently had repeated small hemoptyses, and returned for artificial pneumothorax treatment.	Extensive disease right side. Very slight signs left apex. Marked pyrexia up to 102.6° not yielding to absolute rest.
Group	III.	III.	Ш	III.
Case	68/01	11/254	11/30	11/298

The smallness in number of these cases during the year is due to two facts:—(I) that ordinary Sanatorium treatment proved successful in the great majority of cases; and (2) that of the patients who did not respond to it some presented contraindications to the induction of artificial pneumothorax—such as signs of bilateral disease, rapid pulse or unsuitable temperament, others lived too far from the Sanatorium or other available centre to render "refills" practicable.

REPORTS OF SPECIAL DEPARTMENTS

REPORT OF THE THROAT DEPARTMENT

Of the 275 patients discharged during the year ending 30th June, 1922, 229 patients were examined laryngoscopically by Sir St. Clair Thomson. Of these in 195 the larynx was found to be normal; in 34 diseased. The results of treatment are shown in Tables III., IV. and V.

TABLE III.—Showing the result 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.	2	ì	I			For cases
Group II.	3	2	I	-	-	treated
Group III.	25	3	19	2	I	with Galvano-
All cases	30	6	21	2	I	Cautery see Table V

TABLE IV.—Showing the result of Treatment in Patients suffering from Tuberculosis of the Larynx in whose Sputum Tubercle Bacilli were not demonstrated in the Sanatorium

Group II. Group III.				Ξ	Ξ	For cases treated with
All cases	4	2	2	-	-	Galvano- Cautery see Table V.

TABLE V.—Showing the result of Treatment with the Galvano-Cautery in Patients suffering from Tuber-culosis of the Larynx

	Number of Cases	Cured	Improved	Stationary or Worse	Died in Sanatorium	Remarks
Group I.	1	1	-	-	-	The same
Group II. Group III.	3	=	3			omereniil rela iza
All cases	4	1	3	-		one of the

REPORT OF THE X-RAY DEPARTMENT

During the past year the cases dealt with were of four classes :-

- (I) Cases in which there was no ordinary clinical evidence of Tuberculosis to be found.
- (2) Cases of pulmonary disease in which a radioscopic diagnosis was called-for because the ordinary clinical signs were very slight or indefinite, and (in most of them) the sputum after repeated examinations was T.B. negative.
- (3) More advanced cases of pulmonary tuberculosis in which improvement under treatment was not taking place, and in which, therefore, the question of inducing an artificial pneumothorax had to be considered.
- (4) Cases in which tuberculosis was suspected in other parts than the lungs.

In the first class there were only four cases, two men and two women; and, although none of them gave any clinical signs of tuberculosis, X-rays showed definite disease in one. The other three cases were doubtful.

The majority of the cases radioscopically examined came under the second class. In 21 of them the sputum was T.B. negative after repeated examinations. In the remainder the T.B. result was positive, or it was later found to be positive, although at the date of the radioscopy it was negative. While radioscopy showed evidence of pulmonary tuberculosis the physical signs were indefinite and only became definite later on.

In the third class (more advanced cases) the X-ray report was very helpful to a decision as to whether artificial pneumothorax should be induced or not. Of the cases in which it was done, a series of plates were taken showing the first pocket of air in the pleural cavity up to complete collapse of the lung.

In the fourth class there were only two cases, both of suspected

spinal disease. In neither was anything abnormal found.

For the purpose of ascertaining whether any changes in the lungs could be detected by radioscopy during the usual time a patient was under treatment, a series of plates were taken in eleven cases on admission, and at intervals of a month until they were discharged. These cases were not selected, but were simply taken in the order of their admission. Eight were in Group I., two in Group II. and one in Group III. In no case was any difference observed between the successive plates taken: the last plate of each series seemed to be identical with the first. The conclusion drawn was that in the short time— 4 to 6 months during which a patient is under treatment, no change can as a rule be detected in the diseased lung by X-ray examination. Changes were, however, detected in two cases examined at longer intervals. In the first a skiagram was taken in April, 1920, and a second in June, 1922—an interval of two years. The second plate showed more calcification than the first. The other case was examined in December, 1920, and again in March, 1922—an interval of 16 months. The second plate showed spread of the disease with a slight development of bronchiectasis, which was in agreement with the clinical evidence.

The results of the year's work show the great importance of Radiology in the correct estimation of the extent of pulmonary tubercle, since, though the activity of the disease cannot be determined, the extent is often found to be greater than it was supposed to be from the clinical examination alone; whilst in the production of artificial pneumothorax Radiology is essential, if proper control of the procedure is to be exercised.

Number of plates taken-69 Men, 62 Women; total 131.

REPORT OF THE DENTAL DEPARTMENT

The following work was carried out from July, 1921 to June, 1922:—

Fillings, 102; Root treatments, 10; Scalings, 37; Extractions, 227; Dentures, 10; Repairs, 7.

REPORT OF THE DEPARTMENT OF PATHOLOGY

The work during the year 1921-1922 has comprised :-

- (1) Routine examinations of sputa.
- (2) Complement fixation tests for tuberculosis.
- (3) Occasional blood counts or other examinations.

(1) Routine Examinations of Sputa.—A total of 1,095 samples of sputum were examined, the procedure being that described in the Fourteenth Annual Report, page 8.

Out of 438 patients, 363 had their sputa examined for tubercle bacilli; the remaining 75 patients had no sputum.

Of the 363 patients whose sputum was examined, 271 or 75 per cent. proved to be T.B.-positive at one time or other during their stay in the Sanatorium. In the remaining 25 per cent. the sputum was persistently negative.

A note was made of the type of sputum in each case and there was found to be a definite correllation between the nakedeye appearance of the samples and the presence of tubercle bacilli

	Cases Positive.	Cases Negative.	Positive.
Typical purulent sputum Sputum containing a little pus	213 52	13 38	93·5% 58%
Watery poor samples	6	41	17%
Total cases	271	92	

Among the 271 positive cases tubercle bacilli were found on the first examination in 227, on the second in 26, on the third in 8, and on subsequent examinations up to the 12th in 10. If these figures are added to those reported last year, there is a total of 666 positive cases. In 86 per cent. of these the bacilli were found on the first examination, in 7.7 per cent. they were discovered on the second examination, in 2.7 per cent. on the third examination; and in 3.6 per cent. it required more than three examinations, and in some cases as many as twelve, before bacilli were detected. If it is permissible to generalise from these figures, it may be said that if, in a suspicious case of tuberculosis, three examinations of the sputum for tubercle bacilli yield negative results, there still remains roughly a 1–27 chance that the bacilli may be discovered on subsequent examinations extending over the following few months.

- (2) Complement fixation tests for tuberculosis were carried out on all the patients as a routine. The percentage figures obtained remain approximately the same as in the Fifteenth Annual Report, page II. The results of the work will be published in detail elsewhere.
- (3) Occasional blood-counts or other examinations yielded nothing of special interest.

REPORT OF THE STATISTICAL DEPARTMENT

The work of the Statistical Department has been continued on the same lines as in previous years (see Annual Reports V., XI. and XII.). The total number of patients discharged from the Sanatorium up to date is 3,663. Those of whom information could not be obtained number 117, or 3·19 per cent. The statistics of the ultimate results of the enquiry are given in the Tables, pp. 14-25.

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

Group I.—Disease of slight severity, limited to small areas of one lobe on either side, which, in the case of infection 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 bronchovesicular 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 crepitations, 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, though less marked than on admission, still present.
- "STATIONARY."—No appreciable improvement in the condition of the lungs or in the general health.
 - "Worse."-General or local condition worse.

TABLE AL.—STATISTICS OF ULTIMATE RESULTS

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

All cases considered together

Number lost sight	of in 1922	20022012201221
Number	in 1922	87 1444 136 136 1442 1442 161 161 161 161 161 161 161 161 161 16
A SIN	1922	36 524 532 532 544 57 71 71 71 71 71 71 71 71 71 71 71 71 71
	1921	165 165 165 165 165 165 165 165 165 165
charge	1920	39 55 55 55 55 75 75 75 75 75 75 75 75 75
fter Dis	6161	38 63 63 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65
year ai	8161	422888828981111
cessive	7161	257 777 777 777 777 777 777 777 777 777
ach suc	9161	9 2 2 3 3 3 3 3 3 4 5 6 7 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
e " in e	1915	747 705 705 705 705 705 705 705 705 705 70
" Aliv	1914	1135 885 4423
/ell " or	1913	415881111111111
ted " W	1912	13 13 23 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Number reported " Well " or " Alive " in each successive year after Discharge	1161	1388 138
Numbe	0161	122 23 154 154 154 154 154 154 154 154 154 154
	6061	149 2 3 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	8061	2111111111111111
Number	charged	125 206 206 192 193 193 198 198 198 198
Year	Dis- charge	1906/07 1908/09 1908/09 1909/10 1911/12 1912/13 1915/16 1916/17 1916/17 1918/19 1919/20

TABLE A2.—STATISTICS OF ULTIMATE RESULTS

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

Group I considered separately

	Number lost sight	1922	0 + 0 0 0 + 0 0 0 + 0 0 0	
	Number	III 1922	20112 1 1 1 2 2 4 5 0 2 E	
		1922	12 22 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	
		1921	472 222 22 22 22 22 22 22 22 22 22 22 22	
1	charge	1920	18 28 27 14 10 10 11 13 11 13 11 14 11 11 11 11 11 11 11 11 11 11 11	
	ter Disc	6161	10 10 10 10 10 10 10 10 10 10 10 10 10 1	-
1	year af	8161	18 32 33 30 10 11 11 11 11 11 11 11 11 11 11 11 11	
-	cessive	7191	117 117 117 117 117 117 117 117 117 117	12 12 12 12 12 12 12 12 12 12 12 12 12 1
	ach suc	9161	112 20 20 20 20 20 20 20 20 20 20 20 20 20	
1	e" in e	1915	17 17 17 17 17 17 17 17 17 17 17 17 17 1	
-	" Aliv	1914	488 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
100	Number reported " Well" or " Alive" in each successive year after Discharge	1913	15 140 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	ted " W	1912	010000000000000000000000000000000000000	
	r repor	1161	1	
	Numbe	0161	# 62	
	111	6061	8.8111111111111111111111111111111111111	
		1908	211111111111111	
	Number	charged	24 2 2 2 3 3 3 3 4 4 3 3 4 4 3 4 4 4 4 4	-
	-	Dis- charge	1906/07 1907/08 1909/10 1910/11 1911/12 1912/13 1913/14 1915/16 1916/17 1916/17 1918/19	

TABLE A3.—STATISTICS OF ULTIMATE RESULTS

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

Group II considered separately

0.5	Number lost sight	of in 1922	444600-11000410
	Number	in 1922	6,13,2,2,2,2,4,4,5,13,2,13,3,8 6,13,13,14,15,12,13,13,13,13,13,13,13,13,13,13,13,13,13,
	1777	1922	25,500,000,000,000,000,000,000,000,000,0
	200	1921	1324 333 257
	charge	1920	1 865 5 3 3 3 8 8 6 6 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6
	ter Dis	6161	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Number reported " Well " or " Alive " in each successive year after Discharge	1918	92 88 33 3 3 3 1 1 1 8 6 6 6 5 7 8 8 3 3 3 3 3 1 1 1
1000	cessive	7161	333 333 452 111 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	sach suc	9161	28.88.33.33.33.34.44.11.11.11.11.11.11.11.11.11.11.11.11
	'e " in e	1915	41.28.00000000000000000000000000000000000
	r ". Aliv	1914	125,032,333,33
	Vell" o	1913	2 2 2 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1
	ted " V	1912	# 7-8-8 8 1
	ег геро	1161	111111111111111111111111111111111111111
	Numb	0161	6 f. 2 4 f. 2 f. 4
		1909	\$81111111111111111111111111111111111111
		1908	811111111111111111111111111111111111111
	Number	charged	257 100 110 101 101 101 100 100 100 100 10
100000000000000000000000000000000000000	Year	Dis- charge.	1906/07 1908/09 1908/09 1908/10 1910/11 1911/12 1913/14 1913/14 1915/16 1916/17 1918/19 1919/20

TABLE A4.—STATISTICS OF ULTIMATE RESULTS

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

Group III considered separately

Number	of in 1922	оиоооннноиомин
Number	in 1922	460 688 688 688 688 688 688 688 688 688 6
	1922	42748427891118888
1	1921	25 4 8 6 5 8 6 5 4 8 6 5 8 6 5 8 6 8 6 8 6 8 6 8 6 8 6 8 6
harge	1920	4 7 8 2 8 2 7 1 1 2 8 2 8 2 9 1 1
" or " Alive " in each successive year after Discharge	1919	471942954288111
year aft	1918	23 1 2 4 1 1 1 1 2 1 8 2 1 1 1 1 1 1 2 1 1 8 2 1 1 1 1
essive 1	7161	1 3 % 6 H L H 6 % H
ch succ	9161	11
" in ea	1915	1 1 1 1 1 1 2 2 2 6 8 1 9 6
" Alive	1914	1
ell" or	1913	22220211111111
Number reported " Well	1912	111111111111111111111111111111111111111
r report	1161	31.2 8 31.2 8
Number	1910	1% 4
	1909	¥ %
11.5	1908	\$1111111111111
Number	Dis- charged	8088648454886866
Year	Ot Dis-	1906/07 1907/08 1908/09 1909/10 1910/11 1911/12 1915/16 1915/16 1916/17 1919/20

TABLE A5.—STATISTICS OF ULTIMATE RESULTS

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

All cases considered together

Number lost sight	1922	3	3	4	+	3	4	7	3	3	3	4	IO	.3	I	0
Number Dead	1922	3	12	20	13	14	17	5	9	12	11	4	12	7	3	0
	1922	18	36	42	42	31	27	24	32	20	45	50	95	601	74	99
	1921	18	35	44	42	33	27	25	33	23	44	47	102	112	75	1
charge	1920	61	37	44	43	34	31	56	35	24	47	53	105	115	1	1
Number reported " Well " or " Alive " in each successive year after Discharge	6161	21	38	43	43	34	56	24	33	31	47	53	108	1	1	1
year af	8161	21	39	44	46	37	36	28	36	56	51	26	1	1	1	1
cessive	7161	61	40	40	46	38	36	28	37	30	53	1	1	1	1	1
ach suc	9161	18	37	38	47	40	34	25	31	28	1	1	1	1	1	1
" in e	1915	91	35	40	42	37	36	58	37	1	1	1	1	1	1	1
" Alive	1914	14	34	47	48	38	32	56	1	1	1	1	1	1	1	1
ell " or	1913	15	33	33	44	32	36	1	1	1	1	1	1	1	1	1
w ba	1912	18	40	41	46	42	1	1	1	1	1	1	1	1	1	1
report	1161	61	45	45	54	1	1	1	1	1	1	1	1	1	1	1
Number	0161	19	47	57	1	1	1	1	1	1	1	1	1	1	1	1
	1909	20	49	1	1	1	1	1	1	1	i	1	1	1	1	1
	1908	23	1	1	1	1	1	1	1	-	1	1	1	1	1	1
Number Dis-	charged	24	51	00	59	48	48	31	41	35	59	58	1117	611	78	99
Year of Dis-	charge.	Ž0/9061	1907/08	1908/09	01/6061	11/0161	1911/12	1912/13	1913/14	1914/15	1915/10	21/0161	81/2161	61/8161	1919/20	1920/21

Table A6.—Statistics of Ultimate Results

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

Group I considered separately

Number lost sight	of in 1922	444WHHWH440400	
Number	in 1922	H D & D D C K H H W A H K D & O	
	1922	232 77 27 27 27 27 28 4 4 8 3 3 2 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
	1921	13 22 22 23 24 14 14 14 14 14 14 14 14 14 14 14 14 14	
charge	1920	1 1 2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	
fter Dis	6161	227 227 227 220 231 241 251 251 251 251 251 251 251 251 251 25	
year a	8161	15 22 23 24 17 17 17 17 17 17 17 17 17 17 17 17 17	
Number reported "Well" or "Alive" in each successive year after Discharge	7161	13 25 25 25 25 25 25 25 25 25 25 25 25 25	TO SOLIT
ach suc	9161	13 23 34 34 34 34 34 34 34 34 34 34 34 34 34	
e" in e	2161	11	
r " Aliv	1914	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Vell " o	1913	10 22 32 32 32 32 32 32 32 32 32 32 32 32	
ted " V	1912	133 36 27 27 33 36 27 27 33 36 27 37 37 37 37 37 37 37 37 37 37 37 37 37	
er repor	1161	42 28 28 39 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Numbe	0161	36 36 36 37 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
130	6061	7°	
	1908	211111111111111111111111111111111111111	
Number	Dis- charged	31 16 32 4 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Year	Dis- charge	1906/07 1907/08 1908/09 1909/10 1911/12 1912/13 1913/14 1915/16 1915/16 1916/17 1919/20	

TABLE A7.—STATISTICS OF ULTIMATE RESULTS

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

Group II considered separately

	Number Number Dead lost sight in of in 1922		HH000 WH0 HH W 4H00
			H 2 1 2 2 2 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2
		1922	224678078568804
		1921	21407087011
	charge	1920	22.20 20 20 20 20 20 20 20 20 20 20 20 20 2
	ter Dis	6161	13 22 23 24 2 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	or "Alive" in each successive year after Discharge	8161	0 E 7 7 8 4 8 8 E 7 8
	cessive	161	0 2 4 2 0 4 8 8 2 5 1 1 1 1 1
	ach suc	9161	25.45.05.705.11111
	in e	1915	22418200111111
	" Aliv	1914	417508000
	ell" or	1913	25452411111111
	Number reported " Well"	1912	25.5.1.
	r report	1161	24321111111111
	Numbe	1910	25.511111111111
		1909	28
		1908	9111111111111
	Number Dis- charged		1,20 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4
	Year of Dis- charge		1906/07 1907/08 1908/09 1909/10 1911/12 1912/13 1912/13 1915/16 1915/16 1916/17 1918/19 1918/19

TABLE A8.—STATISTICS OF ULTIMATE RESULTS

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

Group III considered separately

Number lost sight of in 1922		0000000н00000
Number	1922	нанинонииоимно
	1922	онннонмннио их о 4
	1921	оннноокнииоодю [
charge	1920	113602213401440
" or " Alive " in each successive year after Discharge	6161	ооннонинимоо
year af	1918	оннаоненае
cessive	1917	оннионинию
ach suc	9161	оонионини
e"in e	1915	онннонии [] [] [] [
r " Aliv	1914	ооннона
	1913	00нинн
ted " V	1912	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
r repor	1161	0 4 4 4
Number reported " Well	0161	0 M H
	1909	
	1908	-11111111111111111111111111111111111111
Number Dis- charged		H 4 4 4 H 4 W 4 4 4 0 1 1 2 2 4
Year of Dis-		1905/08 1908/09 1908/09 1909/10 1911/12 1912/13 1915/16 1916/17 1916/17 1918/19

TABLE BI.—STATISTICS OF ULTIMATE RESULTS

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

							"		
Condition in 1922		Alive Dead Lost sight of							
	1920/21	24	18 I	1-1	1-1	11	9 6 1		
	1919/20	I I	1.4 I	8	111	6	38		
	61/8161	611	9	-	111	∞	50 12 3		
	81/2161	1 2 1	011	-11		411	36		
	71/9161	12	011	1 1	1-1	00 11	142		
ar	91/5161	7	441	111	4	481	25		
the Ye	1914/15	401	127	1"1	-11	10 4	26 27 1		
d during	1913/14	461	13.5	1"1	++	10	26		
Discharged during the Year	1912/13	20.00	ww.	111	-	111	217		
	21/1161	998	01 I	111		12 7 2	33		
	11/0161	137	14 13 1	1	13	10 4 3	40		
	01/6061	041	41 0	1 8	121	0 4 4	10 33 1		
	1908/09	2 2	101	-	2	8 41	18		
	80/2061	13	10 6 I	4 +	101	1 2 1	23		
	1906/07	01 9	1000	111	1-1	44	10 21 1		
no no	Admission Discharge 1906/07 1907/08 1908/09 1909/10 1910/11 1911/12 1913/14 1914/15 1915/16 1916/17 1917/18 1918/19 1919/20 1920/21	Disease Arrested	Much Improved	Improved	Stationary or Worse	Disease Arrested	Much		
Condition on	Admission		Group I.				Group II.		

Alive Dead Lost sight of								
4+	++	911.	8	20 19	44	157 40 0	197	
78		611	27	23 14 1	14	140 54 2	961	
∞ ∞ H	60.0	111	29 15 5	11 10 1	2 16 1	121 66 11	861	
8 9 1	0 7 0	111	14 19 3	3 17 1	21 1	82 91 11	184	
m∞	46	-	12 22 -	44	23	99	212	
7	122	1"1	13 9 2	12	27	51 101 2	154	
172	8 14 	111	6 I4	16	31	71 121 1	193	
471	16	"	1 63	400	2 0 1 1	59 115 3	177	
4 1 I I	E 81	"	121	161	23.3	48	160	
200	1 0 c	e	191	132	31	47 140 11	198	
121	177	111	201	121	1 23 I	47 142 8	197	
9 1 1 9	121	111	w∞	171	121	53 136 3	192	
21 -	1881	141	173	1 263	141	52 151 2	205	
171	181	111	16 I	20 1	33	54 145	206	
201	191	111	173	101	171	36 87 2	125	
Improved	Stationary	Disease	Much	Improved	Stationary or Worse	Summary	Total -	
				Group (III.				

Table B2.—Statistics of Ultimate Results

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

1	Condition in 1922 Alive Dead Lost sight of							
1111	Condition in 1922		Alive Dead Lost sight of					
	1920/21	511	-11	9	111	=	1	
	1919/20	37	9 1 1	411	-11	12	611	
	61/8161	4 4	00	111	-11	27	31 I	
	81/2161	4° 6° 4	-1-	-1-	111	13 33	27 I	
	71/9161	17 1	411	111.	111	0 +	raa	
ear	91/5161	27 2 2 1	++	111	111	∞ m H	641	
Discharged during the Year	1914/15	9 1	641	9	111	-11	137	
ed durin	1613/14	911	16 1	2 1	111	++	991	
Discharg	1/2161	12 1 1	101	111	211	анн	111	
	1/1161	17 7 1	111	-11	111	mmm	401	
	11/0161	24 10	"	111	11"	401	4 + 1	
	01/60616	62 4	411	-	-11	401	441	
	8 1908/0	27 4	2 - 1	9	+11	0 4 1	001	
	0/2061 2	19	4+1	1-1	111	0 1 1	H 10 CF	
	e 1906/0	HIZ	7	111	111	мнн	7	
Condition on	Discharg	Disease	Much	Improved	Stationary or Worse	Disease	Much	
Condit	Admission Discharge 1906/07 1907/08 1908/09 1909/10 1910/11 1911/12 1913/14 1914/15 1915/16 1916/17 1917/18 1918/19 1919/20 1920/21		Group L.	4			Group 11.	

Alive Dead Lost sight of									
-11	-11	411	-11	-11	111	99	99		
211	111	-11	411	-11	111	74 3	78		
9	41	-11	461	101	61	109	611		
9 1 1	анн	- .	241	-11	111	95 12 10	117		
611	-11	111	111	111	111	50 4 4	58		
"	411	111	-11	++1	1-1	45	59		
1"1	"	111	-11	11"	101	20 12 3	35		
E 1	-11	111	-11	111	"	32 93	41		
-11	011	-11	4	111	111	24 2 2 2	31		
1-1	-11	111	1-1	11"	111	26 17 5	48		
111	-11	111	111	"	111	31 14 3	48		
111	-11	111	-11	1"1	111	15	59		
4+1	1 4	111	H H	111	111	42 4 4	99		
-11	1"1	111	++	111	111	36	51		
111	111	111	"	111	111	33	24		
Improved	Stationary or Worse	Disease	Much	Improved	Stationary or Worse	Summary	Total -		
			Group						

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