Annual report : 1931/32 / King Edward VII Sanatorium, Midhurst.

Contributors

King Edward VII Sanatorium (Midhurst, England)

Publication/Creation

Midhurst, Sussex: The Sanatorium, 1932

Persistent URL

https://wellcomecollection.org/works/ptcfmmvn

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Norman 7. Bris



KING EDWARD VII SANATORIUM MIDHURST

TWENTY-SIXTH ANNUAL REPORT

JULY 1931 to JUNE 1932

Copies of this report may be obtained on application to

The Medical Superintendent,

King Edward VII Sanatorium,

Midhurst,

SUSSEX.

Price One Shilling, Post Free.

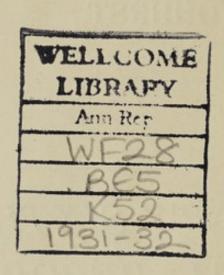
Telegraphic Address: King Edward 7 Sanatorium.
(One Word)
Telephone: Midhurst, Sanatorium 1.



KING EDWARD VII SANATORIUM MIDHURST

TWENTY-SIXTH ANNUAL REPORT

JULY 1931 to JUNE 1932



KING EDWARD VII SANATORIUM

President HIS MAJESTY THE KING

Dice-President

SIR WALTER ROPER LAWRENCE, Bart., G.C.I.E., G.C.V.O., C.B.

Council

SIR COURTAULD THOMSON, K.B.E., C.B., Chairman.

SIR WALTER ROPER LAWRENCE, Bart., G.C.I.E., G.C.V.O., C.B., Vice-President.

SIR JOHN F. H. BROADBENT; Bart., M.D., F.R.C.P., Ex-Officio.

THE VISCOUNT COWDRAY.

SIR PERCIVAL HORTON-SMITH, HARTLEY, C.V.O., M.D., F.R.C.P.

THE HON. MRS. MACDONALD-BUCHANAN.

SIR GEORGE WYATT TRUSCOTT, Bart.

SIR FELIX CASSEL, Bart., K.C.

Lady Visitor

THE HON. MRS. MACDONALD-BUCHANAN.

Consulting Staff

SIR JOHN F. H. BROADBENT, Bart., M.D., F.R.C.P., Chairman.

NOEL DEAN BARDSWELL, Esq., M.V.O., M.D., F.R.C.P.

PROFESSOR WILLIAM BULLOCH, M.D., C.M., F.R.S.

Frederick G. Chandler, Esq., M.D., F.R.C.P.

PROFESSOR S. LYLE CUMMINS, C.B., C.M.G., M.D.

THE RT. HON. LORD DAWSON OF PENN, P.C., G.C.V.O., K.C.B., K.C.M.G., M.D., P.R.C.P.

A. TUDOR EDWARDS, Esq., M.D., M.Ch., F.R.C.S.

STANLEY MELVILLE, Esq., M.D., M.R.C.P., Consulting Radiologist.

SIR HUMPHRY DAVY ROLLESTON, Bart., G.C.V.O., K.C.B., M.D., F.R.C.P.

SIR ST. CLAIR THOMSON, M.D., F.R.C.P., F.R.C.S., Consulting Laryngologist.

ROBERT A. YOUNG, Esq., C.B.E., M.D., F.R.C.P.

LANCELOT STEPHEN TOPHAM BURRELL, Esq., M.D., F.R.C.P., Honorary Secretary.

Monorary Surgeon
ARTHUR H. BOSTOCK, Esq., M.R.C.S., L.R.C.P.

Medical Superintendent
RICHARD ROBERTSON TRAIL, Esq., M.C., M.A., M.D., M.R.C.P.

Assistant Medical Officers

FRANCIS JUPE, Esq., M.A., L.S.A., D.T.M. & H., Resident Radiologist.

John Gilbert Currid, Esq., M.A., M.B., Ch.B.

Dental Surgeon
LEONARD MONTAGUE FLEETWOOD, Esq., L.D.S., R.C.S.

Pathologist
GODFREY WALTER GARDE, Esq., B.A., M.B., B.Ch., B.A.O.

Steward

MR. CHARLES A. CLARENBONE, F.S.S.A.

Matron
Miss M. Hope Stewart, R.R.C.

Jon. Regal Adbiser SIR REGINALD WARD POOLE.

Jon. Juditor SIR WILLIAM BARCLAY PEAT, C.V.O.

KING EDWARD VII SANATORIUM MIDHURST

Twenty=sixth Annual Report JULY 1931 to JUNE 1932

DURING the past year 319 patients were admitted to the Sanatorium; while 50 of these were re-admissions, 58 remained for a period of less than nine weeks as they were too advanced to warrant their continued treatment in the Sanatorium, and their after-histories are not followed up in the tables of the ultimate statistics.

During the same period 210 patients were discharged, and were grouped according to condition on admission as follows:—

Group I	 	 	 45
Group II	 	 	 109
Group III	 	 	 35
Group IV	 	 	 21

Applicants for admission to the Sanatorium numbered 534, and the average waiting list for men between 10-11 and for women between 9-10.

One hundred and nine of these applicants for admission were examined by the Medical Superintendent and 94 (86·2 per cent.) were accepted and 15 (13·8 per cent.) were rejected as being too advanced for admission under the rules of the Sanatorium.

The 21 cases placed in Group IV as having no definite evidence of pulmonary tuberculosis were classified as follows:—

Nothing definite found	 	 13
Thickened pleura	 	 7
T.B. glands of neck	 	 I

The after-histories of special treatment now show sufficient numbers to warrant conclusions as to their benefit. A special report on artificial pneumothorax (1) was prepared for the Quarterly Journal of Medicine to be published in July of 1932, and the results have been compared with those of the complete after-history of treatment in the Sanatorium between 1911 and 1928 followed up to 1929 (2). It is shown that the artificial pneumothorax treatment

gives better results in Group I cases and in a large majority of Group II cases than does ordinary sanatorium routine, but does not encourage its employment in more advanced cases, as the result would seem to be definitely worse. Table XIV will show that the number to be followed up of cases that have ceased refills and are still alive is now 65 as against 45 last year, and it is worthy of note that of 35 cases who have completed treatment in that they have been able to carry on refills for at least three years before reexpansion of the lung, only one is still positive, although the afterhistory of such cases ranges from three to eight years from the present date.

The report on mortality following Sanatorium treatment was of particular interest in that every case admitted to the Sanatorium between 1911 and 1928 was seen by Sir St. Clair Thomson, so that the after-history of those with laryngeal tuberculosis is of special value.

The comparatively small number of eight cases have been sent up for thoracoplasty during the last four years, but the results have been so encouraging that it is becoming increasingly easy to get suitable cases to submit to the operation.

Still more attention has been paid in the past year to interesting work for the patients. A language class was carried on during the winter and was very well attended, while many patients have taken advantage of a class for weaving, basket-work and embroidery, and the results obtained through interesting the patients in some mental or slight manual occupation is proof still further of the necessity of paying considerable attention to the social life of the Sanatorium.

References.

- 1. After-History of Artificial Pneumothorax: Comments on 91 Successful and 31 Unsuccessful Cases. R.R. Trail and G.D. Stockman.
- 2. Pulmonary Tuberculosis. A report upon the experience of the patients of the King Edward VII Sanatorium, Midhurst, with particular reference to their mortality after treatment. R.R. Trail and G.D. Stockman.

GENERAL STATISTICS.

The following tables show an analysis of the 210 patients discharged during the 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	Resi	idence	Number of Patients	Place of Resid	lence	Number of Patients
Surrey			 63 20 17 14 13 13 9 7 7	Wales Dorset Cornwall Lincolnshire Cambridgeshire Buckinghamshire Staffordshire Oxfordshire Nottinghamshire Northumberland Durham Wiltshire		3 2 2 2 2 1 1 1 1 1
Essex Hertfordshire Warwickshire			 5 4 4 3	Cumberland Bedfordshire Leicestershire		 I
			0 80 31			210

TABLE II.—OCCUPATION.

Occuj	pation			Number of Patients	Occupation		Number of Patients	
Housewives Travellers Nil Accountants Teachers Managers Students Engineers Secretaries Medical Practi Army Nurses Civil Servants Salesmen School Girls Navy Royal Air For Merchants Civic Guards Shop Owners Journalists	itioners			47 32 9 8 6 6 5 5 5 5 4 4 4 4 4 3 3 3 3 3 3 2 2 2 2	Builders Inspectors Shop Assistants Cadets Draughtsmen Editors Parish Workers Dispensers Dentists Planters Clergymen Tailors Assistant Matrons Treasurers Stage Managers Artists Actors Musicians Singers Superintendents Upholsterers Solicitors Medical Officers of			2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Brokers		::	::	2 2	Estate Agents Architects	::	::	I
CI LL				2	Compositors Advertising Agent	s		1
			-		The state of the s			210

TABLE III .- AGE AND SEX.

		Year	S			Males	Fe	emales	Total
Under 20						12		5	17
20-25						26		5 17 18	43
26-30						29		18	47
31-35						II		16	47 27
36-40						15		8	23
41-45						24	1	5	29
46-50						7		5 2 5	9
Over 50						10		5	15
			TOTALS			134		76	210
				1	FABLE	IV			
	[arrie								97
S	ingle								113
									210
									The state of the s

	Mode	of Ons	set		Number of Cases	Percentage
Cough				 ,.	72	34.29
Pleurisy				 	37	17.62
Hæmoptysis				 	27	12.86
Influenza				 	24	11.43
Lassitude				 	13	6.19
Pneumonia				 	4	1.9
Loss of weight				 	4	1.9
Other Modes				 	29	13.81
					210	

TABLE VI.—DURATION OF DISEASE.

Average duration .. . 2 years, 10 months 3 weeks. Extremes 4 weeks—27½ 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 1931–1932

Group on Admission	Number of Cases	Arrested	Much Improved	Im- proved	Stationary or Worse
I	45 109	40 35	4 28	I 26	20
III	35	1	2	17	15
All Cases	189	76	34	44	35
ıv	Patients in whom no de- finite evidence of Pulmonary Tuberculosis	Num- ber of Cases			
	was found	21	3	17	I

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			126	Positive			83
Negative			53	Negative			79
No Sputum			10	No Sputum			27
Group IV Cas	ses		21	Group IV Cas	es		21
All Cases			210	All Cases			210
Number o	f Patie	nts wh	no lost	T.B. in Sanatori	um	43	

TABLE IX.—WEIGHT

	Weig	ght		Group I	Group II	Group III	Group IV
Gained			 	39	90	28	17
Lost			 	6	13	3	4
No Change			 	-	-	-	
Not Weighed			 	_	6	4	
All	Cases		 	45	109	35	21

REPORTS OF SPECIAL DEPARTMENTS.

REPORT OF THE THROAT DEPARTMENT.

All the 210 patients discharged during the year ending 30th June, 1932, were examined laryngoscopically by Sir St. Clair Thomson. Of these, in 194 the larynx was found to be normal, while in 16 there was found to be definite tuberculous disease. 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	Much Improved	Improved	Stationary or Worse	Remarks
Group II Group III	 	- 7 7			4 2	<u>_</u>	For cases treated with Galvano- Cautery,
All Cases	 	14	4	2	6	2	see Table XII

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	Much Improved	Improved	Stationary or Worse	Remarks
Group I Group II Group III		=			Ξ	For cases treated with Galvano- Cautery,
All cases —	2	-	I	I	-	see Table XII

TABLE XII.—Showing Result on Discharge of Treatment with the Galvano-Cautery in Patients suffering from Tuberculosis of the Larynx.

		Number of Cases	Cured	Much Improved	Improved	Stationary or Worse
Group I	 	 	_	_	-	_
Group III Group III	 ::	 		=	=	
All cases	 	 I	I	_	-	

One case had tuberculosis of the tongue, and has died since discharge.

ARTIFICIAL PNEUMOTHORAX, PHRENIC EVULSION AND THORACOPLASTY CASES.

Over a period of eight years ending 30th June, 1932, artificial pneumothorax has been attempted in 148 cases. Treatment was successfully induced in 111; in 37 cases it was impossible, to induce the treatment because no pleural space, or only a small initial pocket, was found, or it was impossible to carry on the treatment because of the presence of gross adhesions. All cases in which the treatment has been attempted have been grouped according to "choice" at the time of attempted induction in accordance with the following definitions, in order to follow up the end results of treatment:—

Choice I.—Cases with involvement of one lung.

Choice II.—Cases with cavitation or much evident fibrosis of one lung, or with involvement of the better lung not beyond the upper third.

Choice III.—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.

TABLE XIII.—AFTER-HISTORY OF CASES SUCCESSFULLY INDUCED.

			ALIVE.	DEAD.	TOTALS.
Choice I		 	42	I	43
Choice II		 	50	12	62
Choice III		 	I	5	6
То	tals	 	93	18	III

Of the III cases still on refills when they left the Sanatorium, 93 (83.7 per cent.) are still alive, and of these 78 (70.2 per cent.) are T.B.—or have no sputum. Of these 93 cases, 65 have ceased refills and 28 are still carrying on the treatment. The 65 who have

now ceased refills may be further sub-divided into groups as shown in the following table:—

TABLE XIV.—CASES CEASED REFILLS AND STILL ALIVE.

					Choic	e.	ed.	Spu	tum.	
				I.	11.	111.	Larynx Healed.	T.B.+	T.Bor No Sputum.	Total.
Completed treatment Re-expanded Obliterated after fluid Stopped for disease on	other	side	::	 17 2 7 3	18 9 3 5		5 1 1	1 3 2 4	34 8 9 4	35 11 11 8 65

The heading "Completed treatment" includes those cases who were able to continue their refills until it was considered safe to re-expand the lung, that is, for a period of at least three years after the date of induction. Some cases of pneumothorax re-expand for no apparent reason and it is impossible to keep up the refills; such cases are tabulated under the heading "re-expanded." Where the lung re-expands as the result of fluid, cases are tabulated under the heading "obliterated after fluid." Where the treatment has had to be stopped because of the appearance, or spread, of disease in the other lung, the cases have been tabulated under the heading "stopped for disease on other side." A special heading is given for cases who had laryngeal tuberculosis.

The table shows that 35 cases have now completed treatment, and it is interesting to note that 34 have either no sputum or are T.B. One has had a recurrence of positive sputum a year after re-expansion. Three such recurrences of positive sputum have been noted. Of the other two, one had a course of sanocrysin and the other only one positive test following re-expansion of the lung, after which there was no recurrence of cough or sputum. Of the II cases that have re-expanded, 8 are now tubercle-free, while even where there has been obliteration after fluid 9 of the II cases are tubercle-free. In cases where the treatment had to be stopped because of disease on the other side, 4 are positive and 4 negative. It is interesting to note that all 7 who had laryngeal tuberculosis are now soundly healed.

TABLE XV.—CASES STILL ON REFILLS.

		Spi	utum.	
	Larynx Healed.		T.B. — or no sputum.	Totals.
Choice I	 I	I	12	13
Choice II	 3	4	II	15
Totals	 4	5	23	28

Cases still on refills total 28. Of these 23 (82·I per cent.) are T.B.—, or have no sputum, and 4 who had laryngeal tuberculosis have this condition healed.

Eighteen cases on whom treatment was successfully induced are since dead; 4 have died from pyo-pneumothorax, one of which was a Choice III case at induction; 13 have died from extension of disease in the better lung, of these I was a Choice I case and 4 were Choice III cases; I died of complicating lymphadenoma.

The after-history of 37 cases where induction failed is given in the following table:—

TABLE XVI.—FAILURES.

Choice II.—No space or pocket	Alive.	Dead.	Totals.
only	14	5	19
Adhesions	I	3	4
only	3	4	7'
Adhesions		7	7
	18	19	37

It is interesting to note that while 17 of the 18 still alive were cases where no plural space, or a pocket only, was found, 10 of the 19 dead were cases where the treatment had to be given up on account of gross adhesions. Of those still alive, phrenic evulsion has been performed on 5 cases and thoracoplasty on 3 cases. Of those since dead, phrenic evulsion was performed on 2 cases.

SURGICAL TREATMENT.

The after-history of cases where phrenic evulsion has been performed has been followed up in 33 cases; these do not include those who had the operation as a preliminary to thoracoplasty. The after-history is very encouraging, and as the X-Ray report will

show, particularly good results have been obtained in cases where there has been heavy infiltration above an interlobar pleurisy. (See Plates I and II.)

Mr. Tudor Edwards has performed thoracoplasty in 8 cases from the Sanatorium between 1928 and 1932, and no case has failed to benefit very markedly. Two were cases where pneumothorax had already been established but had failed after two years to produce quiescence. Four are male and 4 female, and, of the 4 men, 3 are at work and have no cough or sputum. The fourth is still under Sanatorium treatment, and reports that he is much improved. Of the 4 female cases, one is now back at work as a nursing sister, one is fit to carry on at home without special treatment and both have negative sputum; the remaining 2 are still under treatment. Of the 8, 3 had the complication of laryngeal tuberculosis prior to the operation; all 3 are soundly healed.

SANOCRYSIN TREATMENT.

During the year under review 27 cases have been treated with sanocrysin or crysalbin, and it is hoped to follow up the afterhistory of 67 cases, who have been treated during the last five years, for the next Annual Report.

REPORT OF THE X-RAY DEPARTMENT.

The number of examinations made during each of the last three years are in close approximation. These examinations may be classified into four:—

(a) The primary—of each patient as soon as possible after admission. (b) Those preceding and during the pneumothorax treatment, including the screening of each resident "A.P.T." every fortnight and each visiting "A.P.T." on their refill days. This is much the largest class. (c) A much smaller number in attempts to confirm, or explain, new, clinical, findings. This includes accidents to both patients and staff. (d) Examinations of new staff.

This year it has been found to be possible to resume the reproduction of films, and two examples have been chosen to illustrate one type of case which is likely to benefit by phrenic evulsion. It is the type where the disease, limited to the upper lobe, preferably on one side only, shows cavitation and is often shut off below by a high interlobar pleurisy. This last, or a cavity, would make an artificial pneumothorax probably unsuccessful and possibly

dangerous, and a phrenic evulsion in such a case is an attempt to avoid the delay, expense and severity of the more radical operation of thoracoplasty.

Case I. (E.J.R.) Female, aged 26.—Admitted 12th February, 1932, with a history of influenza followed by right pleurisy in the preceding October and November. Signs of pleurisy and infiltration with greatly increased vocal resonance and whispering pectoriloquy were found in the upper and middle zones of the right lung. X-Ray examination (Plate I) confirmed the presence of infiltration and cavitation above a well-marked interlobar pleurisy. Sputum positive. The patient improved in general condition with rest and the exhibition of B.E. (bacillary emulsion), but four months later, although the sputum had become negative, was able to do only two miles daily. Phrenic Evulsion was performed at the Brompton Chest Hospital at the end of June. She is now in splendid condition and has no cough. In Plate II retraction of the right diaphragm and upper lobe is well shown.

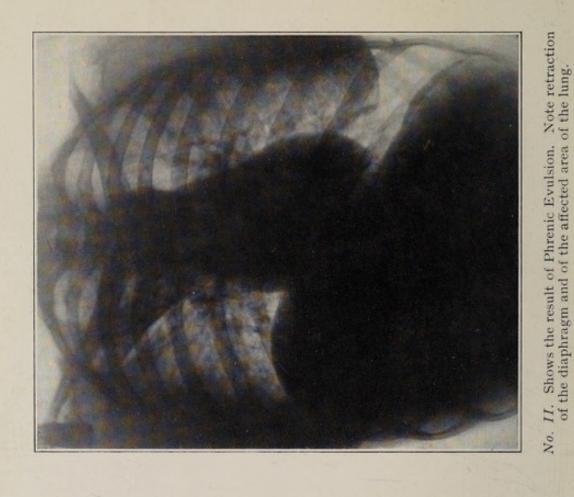
Case II. (K.K.) Female, aged 31.—Admitted 23rd January, 1932, with a five-year history of pulmonary tuberculosis, which included two periods of six months each in a sanatorium. Plate III shows the condition of her right lung. It was contracted, with much fibrosis, a large cavitation, and traces of an old interlobar pleurisy. She was dyspnœic and cyanosed. Sputum positive. Temperature 98·6–100° (Rectal) Phrenic Evulsion was done at the Brompton Chest Hospital in February. Her temperature began to fall immediately. Now, although her sputum is still positive in spite of the exhibition of gold, she is in good condition. The sputum is only a quarter of what it was before the operation, and as Plate IV shows, the diameter of the cavity is reduced already by more than I inch.

REPORT OF THE DENTAL DEPARTMENT.

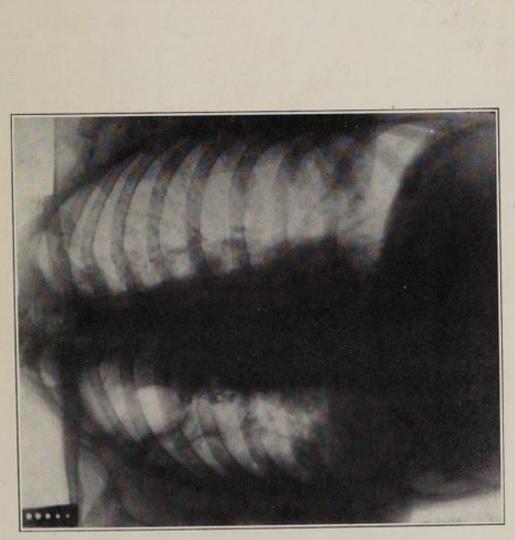
The following dental treatment has been carried out during the year:—

Extractions		 	 182
Fillings		 	 141
Scalings		 	 19
Repairing Denture	S	 	 II
Dentures		 	 4
Radiographs		 	 3
Re-fixing Crowns		 	 2
Root Treatment		 	 I





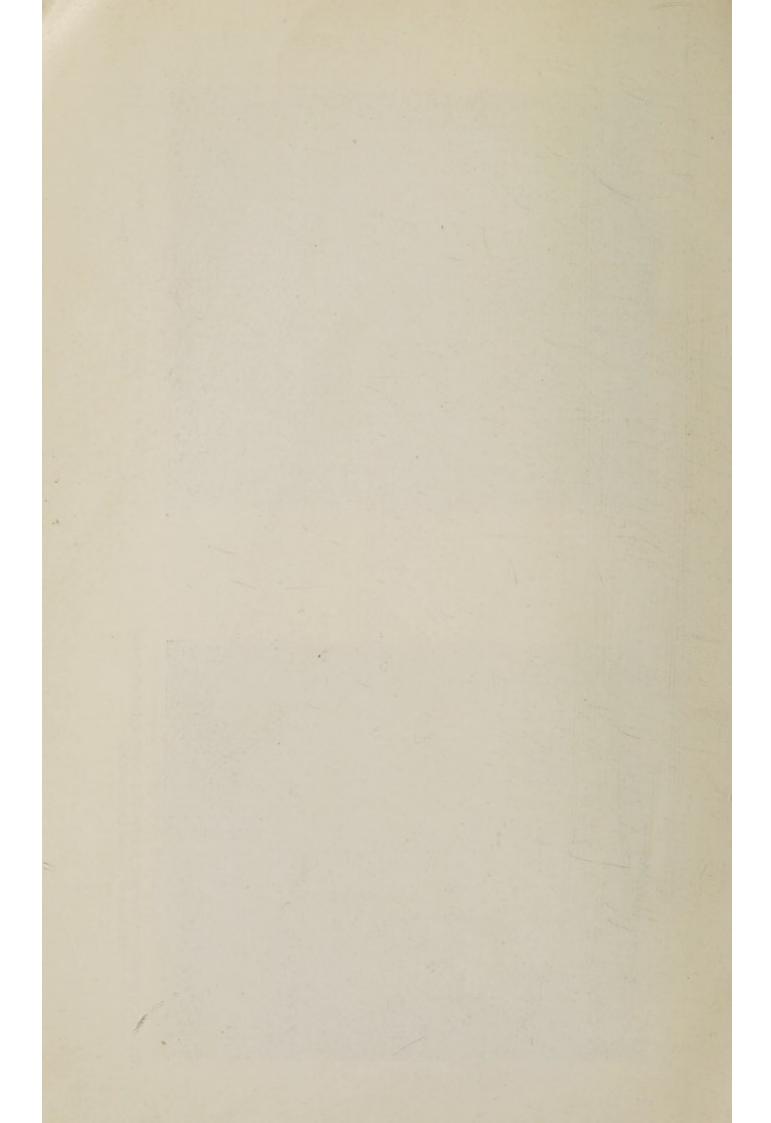
No. I. Shows infiltration and excavation with interlobar pleurisy.



No. III. Shows fibrosis with a large cavity in the upper zone with evidence of pleural involvement.



 $No.\ IV.$ Shows the lung after Phrenic Evulsion and the lessening of the cavity in the lung.



REPORT OF THE PATHOLOGICAL DEPARTMENT

The routine work for the year ending 30th June, 1932, has been as follows:—

Blood Counts, 58; Urine examinations, 71; Stool examinations, 11; Sedimentation tests, 1,800; Post-mortems on fowls, 64; Miscellaneous, 50; Milk tested twice a month; Sputa examined every fortnight.

Wasserman Reaction: This is done on every patient when admitted for the first time, and during the current year there were 272 tests, four of which were positive (I·II per cent.), a percentage of sufficient magnitude to make the test of great value.

Research: It is hoped that a clinical and statistical report of the value of the sedimentation rate may be published later.

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 5,869. 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 about whom information could not be obtained number 148, or 2.52 per cent.

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

Cases in the Sputum of which T.B. were demonstrated in the Sanatorium TABLE AI.—STATISTICS OF ULTIMATE RESULTS All cases considered together

taol 150 ni to 550	sight	4	9	4	2	7	10	69	4	3	3	3	5	9	3	3	1	1	I	I	2	2	1	2	1	1
1932 Dead		93	159	162	152	191	158	129	136	149	125	146	128	811	125	125	124	105	102	75	50	36	41	35	31	10
	1932	28	41	39	35	56	30	56	37	41	56	63	51	74	89	69	51	9	63	52	62	89	79	81	124	124
	1931 1932	28		_				_		_	_				_			-	_			-			-	-
	1930	29	42	41	37	31	31	33	37	44	29	65	54	79	72	73	53	67	73	99	73	101	94	104	1	1
	1929	29	44	42	39	32	31	33	38	45	30	67	58	81	74	73	62	74	81	72	80	109	103	1	1	-
og e	1928	30	44	43	42	35	32	33	43	49	33	69	62	84	81	74	69	80	16	79	89	115	1	1	1	1
ischar	1927	30	46	45	43	36	33	35	43	53	35	73	64	86	85	81	10	89	66	96	97	1	1	1	1	1
Alive " in each successive year after Discharge	1926	31	50	45	47	38	34	35	46	55	35	74	62	92	16	89	92	100	112	106	1	1	1	1	1	1
year a	1925	33	52	47	48	39	40	40	47	19	38	79	70	66	100	96	III	114	124	1	1	i	1	1	1	1
essive	1924	34	55	48	49	44	43	42	49	19	41	79	69	102	IIO	911	127	135	1	1	1	1	1	1	1	1
h succ	1923	34	54	48	51.	47	44	45	55	89	48	89	80	112	126	141	150	1	1	1	1	1	1	1	1	1
n eacl		36	54	52	53	47	46	48	9	71	51	66	82	121	140	156	1	1	1	1	1	1	1	1	1	1
e '' ii	1921	34	28	55	26	48	20	49	68	75	57	105	95	136	165	1	1	1	1	1	1	1	1	1	1	1
Aliv	1919 1920 1921 1922	39	59	56	19	56	54	52	75	83	65	911	115	165	1	1	1	1	1	1	1	1	1	1	1	1
, or "	6161	38	63	9	9	19	55	49	75	83	89	127	811	1	1	1	1	1	1	1	1	1	1	1	1	1
Vell "		42	72	62	69	69	89	167	82	104	93	991	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number reported " Well	1617	42	75	67	71	72	72	75	86	117	105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
orte	9161	46	20	64	73	73	92	78	84	123	1	1	1	1	i	1	1	1	1	1	1	1	1	1	1	1
er rej	1915	47	20	55	69	74	81	94	811	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
nmp	1914	38	72	64	75	88	95	113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z	1913	42	71	20	06	92	III	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1912	56	94	93	112	133	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1161	-	112				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	909 1910 1911 1912 1913 1914 1915 1916 1917 1918	1040	129	-		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	606	82	149	1	1	1	1	1	1	1	1	1	1	1-	1	1	1	1	1	1	1	1	1	1	1	1
	1908	94	1	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1
nber	Disch	125	206	205	192	161	198	160	177	193	154	212	184	198	196	197	176	165	991	128	114	127	121	118	155	134
Year	Dis- charge	70/9061	80/2061	60/8061	01/6061	11/0161	1911/12	1912/13	1913/14	1914/15	1915/16	1916/17	81/4161	61/8161	1919/20	1920/21	1921/22	1922/23	1923/24	1924/25	1925/26	1926/27	1927/28	1928/29	1929/30	1930/31

Cases in the Sputum of which T.B. were demonstrated in the Sanatorium Group I considered separately TABLE A2.—STATISTICS OF ULTIMATE RESULTS

																										_
at lost ni lo	sight	61	ė4	1	3	2	21	1	н	7	CI	H	I	1	1	н	1	1	1	н	1	1	1	1	1	1
a Dead		91	21	14	24	31	21	6	10	IO	9	00	9	I	6	91	OI	IO	5	4	61	61	1	1	н	1
	1932	12	22	14	91	12	IO	9	00	00	00	15	00	6	20	28	15	61	17	OI	00	20	15	12	32	18
	1931	122	22	14	91	12	IO	9	00	00	00	16	00	6	20	29	15	61	17	10	8	21	15	12	33	1
	1930 1931 1932	12	22	14	91	13	IO	9	00	6	6	17	IO	6	20	29	15	21	17	IO	IO	21	15	13	1	1
	1929	12	23	14	17	13	10	9	00	6	IO	17	II	6	20	29	18	22	18	II	OI	22	15	1	1	1
. Se	1928	12	23	14	61	15	IO	9	6	6	II	91	12	6	20	30	61	24	18	12	II	22	1	1	1	1
scharg	1927	12	24	14	61	17	10	9	10	OI	II	18	12	6	20	32	21	25	61	13	II	1	1	1	1	1
Alive " in each successive year after Discharge	1926	13	24	13	21	17	IO	9	10	10	11	19	12	6	22	34	21	27	20	15	1	1	1	1	1	1
year a	1925	14	24	13	22	17	12	00	10	12	II	20	12	6	24	34	22	28	21	1	1	1	1	1	1	1
ssive	1924	14	26	13	22	20	12	00	11	12	II	20	II	6	56	38	23	28	1	1	1	1	1	1	1	1
succe	1923	14	26	13	23	22	12	00	11	12	II	22	II	6	25	30	25	1	1	1	1	1	1	1	1	-
each		1.5	25	14	25	22	13	00	10	12	II	22	II	IO	27	42	1	1	1	1	1	1	1	1	1	1
e " in	1919 1920 1921 1922	14	27	14	25	22	13	00	13	II	12	22	12	IO	29	1	1	1	1	1	1	1	1	1	1	1
Aliv	1920	18	28	14	27	25	91	7	15	13	13	23	14	IO	1	1	!	1	1	1	1	1	1	1	1	1
,, JO	6161	91	27	15	25	28	15	6	14	12	II	22	12	1	1	1	1	1	1	1	1	1	1	1	1	1
Vell "	8161	18	32	15	30	30	61	10	17	91	14	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number reported " Well	7191	19	32	15	30	29	20	II	91	17	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
porte	9161	17	29	15	29	30	20	12	14	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
er re	1915	17	30	12	25	28	20	14	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tumb	1914	14	28	91	27	31	21	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1913	1.5	27	91	34	47	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1912	20	31	20	37	41	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1161	20	35	23	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918	21	40	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1909	23	43	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1908	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
arged	Nun	30	45	28	43	45	33	15	61	20	91	24	15	10	29	45	25	29	22	15	II	22	15	13	33	18
Year	Dis-	20/9061	80/2061	60/8061	01/6061	11/0161	1911/12	1912/13	1913/14	1914/15	1915/16	21/9161	81/2161	61/8161	1919/20	1920/21	1921/22	1922/23	1923/24	1924/25	1925/26	1920/27	1927/28	1928/29	1929/30	1930/31

Table A3.—Statistics of Ultimate Results

Cases in the Sputum of which T.B. were demonstrated in the Sanatorium Group II considered separately

	ni lo	odmuN 1dgis 591	13	3	40	N W	9	I	cc	Эн	1	1	00	m	I	C4	1	1	-	1	1	1	I	1	1	1
		Number of ni	42	99	200	81	00	78	89	71	62	59	20	50	39	37	33	12	14	31	15	13	17	21	61	9
		1932	13	91	77	IA	101	22	24	27	6	39	33	45	29	23	15	91	14	28	31	56	15	65	84	93
		1931	13	91	450	1.4	20	24	24	28	IO	39	34	47	30	24	15	17	14	33	33	59	55	71	96	1
		1930	14	17	24	12	20	25	24	29	IO	39	34	48	30	24	17	17	15	35	35	19	9	46	1	1
		1929	14	00 H	25	10	20	25	26	30	OI	40	36	50	31	24	61	10	17	39	38	63	19	1	1	1
		1928	15	20 100	202	91	21	25	29	33	12	42	38	53	35	24	23	21	17	43	40	99	1	1	1	1
	6	1927	15	19	22	91	21	25	28	36	12	43	38	55	39	20	23	21	77	20	45	1	1	1	1	1
	charg	1926	15	20 0	67	180	22	25	31	36	12	43	36	56	45	28	27	2 2	07	25	1	1	1	1	1	1
	ter Dis	1925	91	23	31	to I	25	28	32	39	14	46	41	59	43	31	31	47	24	1	1	1	1	1	1	1
2	ear aft	1924	17	24	25	212	28	29	34	38	17	44	40	9	46	30	35	17		1	1	1	1	1	1	1
	Alive " in each successive year after Discharge.	1923	17	23	25	22	29	32	40	43	22	50	48	64	48	47	43	11		1	ı	I	1	1	1	1
1	sacces		17	44	24	22	29	35	42	46	24	26	20	69	55	20	1			1	1	1	1	1	1	-
	each	1919 1920 1921 1922	17	22	26	23	32	35	47	51	28	62	54	72	63	1	1			1	1	1	1	1	1	1
	"ii	1920	17	4 6	26	28	33	38	50	57	33	65	05	98	1	1	1	1		1		1	1		1	
	Alive		18	500	200	29	34	33	51	57	35	72	63	1	1	1		1	1	1		1	1			
1	2	8161	19	35	32	35	300	45	54	69	49	86	1	1	1	1	11		-	1		i	i			
	Number reported "Well" or	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 19	18	35	33	37	4	51	55	74	54	1	1	1	1	-			-			1	1			1
	M	1616	23	233	36	37	43	53	54	74	1	1	1	1	1	-		-				1	1			4
	orted	161	24	31	36	40	49	89	74	1	1	1	1	1	1	1		1	1				1			
	r rep	1914	18	32	38	49	59	77	1	1	1	1	1	1	1			1	1							
	ımbe	1913	22	35	44	43	65	1	1	1	1	1	1	1	1			-	1				1			
	ž	1912	31	47	200	89	1	1	1	1	1	1	1	1	1			1	1			H				
		1161	37	200	00	1	1	1	1	1	1	1	1	1	1			-	1							1
		0161	40	200	1	1	1	1	1	1	1	1	1	1	1			I	1					7		1
1		6061	45	60	1	1	1	1	1	1	1	1	1	1	11		1	1	1	1				1	1	-
		8061	50	11	1	1	1	1	1	1	1	1	1	1	11		1	1	1	1	-		1	1	1	1
	iber arged.	Disch	57	00	66	100	011	IOI	95	66	71	66	00	96	60	200	280	20	50	90	9	609	86	102	00	27
-	ar	s- rge.	10/07	3/00	01/0	11/0	(/12	2/13	-		-	2/17		61/6	1/20	122						128	1/20	1/30	0/31	13:
	Year	chan	19061	1008	19091	0161	1161	1912	1913	1914	161	19161	1917	1910	1919/	1001	1022	1923	1924	1025	10261	T025	1028/	1020	1030/	66.
-																										

21

Cases in the Sputum of which T.B. were demonstrated in the Sanatorium Table A4.—Statistics of Ultimate Results Group III considered separately

oer lost of in	dgie		1	-	1	1	1 '	4	-	1	1	4	+	1	3	68	1	-	1	1	1	I	2	1	61	1	1
1932			35	72	00	50	49	52	42	200	99	57	20	72	07	77	72	SI	83	83	40	33	21	24	13	II	4
	1932		3	0	2	1	0	н	I	10	0	6	6	10	50	61	200	500	25	32	14	23	13	. 13	4	00	13
	1931 1932		3	3	3	1	3	ı	61	2	9	OI	6	IO	22	20	17	21	27	34	17	36	91	14	7	13	1
	1930		3	3	3	1	3	-	2	101	0	IO	6	10	22	22	20	21	50	41	21	58	61	61	12	1	1
	1929		3	3	3	1	3	I	61	4	9	IO	OI	II	55	23	20	25	34	46	22	32	24	27	1	1	1
	1928		3	3	n	-	3	-	CI	2	7	IO	II	12	7.7	56	20	27	35	52	24	38	27	1	1	1	1
narge	1927		3	3	3	I	3	61	4	5	7	12	12	14	55	56	23	32	43	28	27	44	1	1	!	1	1
Alive " in each successive year after Discharge	1926		3	4	3	н	3	61	4	5	6	17	12	14	27	27	27	44	20	29	39	1	1	1	1	1	-
r after	1925 1		3	5	3	**	3	3	+	2	OI	13	13	17	31	33	31	28	62	77	1	1	1	1	1	1	-
e year	1000	-	3	5	4	64	3	3	2	+	11	13	15	18	33	38	40	69	80	1	1	1	1	1	1	1	-
essiv	3 1924			2		_								-	_	_		1000		-	-	1	1	1	-	-	-
succ	2 1923	1	-									1		-				-	1	1	1	1	1	1	-	1	-
each	1919 1920 1921 1922		-	5	-	-	-	-	-		1000	0000	0.000	-	-	-	- 58	1	1	1	1	1	1	1	-	1	-
" ii	0 192	-	_	9	-	-	-		-	1	-					73	1	1	1	1	1	1	1	1	-	1	-
Alive	1920	-	4	-	20	5	3	5	7	10	13	19	28	36	69	1	1	1	1	1	1	-	1	1	1	i	1
or ",	1919		4	7	II	0	4	5	9	IO	14	22	33	43	1	1	1	1	1	1	1	1	1	1	1	1	1
1 2	8161		5	00	11	1	4	II	12	II	61	30	53	1	1	1	1	1	1	1	1	1	1	1	1	1	1
. We	1161		2	00	12	00	9	II	13	15	26	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ted '	916	-	9	00	II	00	9	13	13	91	33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number reported " Well	16161	-	9	6	II	00	9	12	12	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
aber	9141	-	9	12	12	IO	00	15	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nun	913 1	-	2	12	13	12	6	61	1	1	1	1	1	1	1	1	1	1	1	1	1	1	i	1	1	1	1
	9121	-	9	81	22	91	17	1	1	I	1	1	1	1	1	1	1	1	1	1	1	1	1	i	I	1	1
N. I	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918	-	00	22	31	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	016		12	28	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1 606		1.4	37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1191	1 806		17	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Numl	-	38	20	83	50	52	55	44	63	74	67	89	83	06	86	06	103	108	115	54	57	36	37	19	6I	17
Year	Dis- charge		1900/07	1907/08	60/8061	01/6061	11/0161	1911/12	1912/13	1913/14	1914/15	91/5161	19161	81/2191	61/8161	1919/20	1920/21	1921/22	1922/23	12	1924/25		1926/27	1927/28	1928/29	1929/30	1930/31

TABLE A5.—STATISTICS OF ULTIMATE RESULTS

Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium All cases considered together

	104	-															_										-
ni 1	Number o idgis	-	3	9	10	1	4		000				+ 0	. 0	00	-	-	4	1	-	4		2			-	
	Yumber 191 ni		5	17	23	17	91	20	00		13	101	11	23	IOI	91	3	18	91	14	-00	0		20	,	+ 0	
	1932		16	28	38	35	500	25	21	22	000	90	30	2.50	050	19	62	71	35	53	9	9	36	17	100	23	200
	1931 1932		15	29	38	35	30	25	22	22	200	3 2	10	804	96	19	63	73	35	55	9	19	30	200	200	33	20
	1930		14	30	39	36	30	25	22	33	200	37	10	80	96	62	63	73	36	26	62	63	30	5.4	200	1	1
	1929		16	31	40	36	30	25	22	32	20	40	7.7	80	00	63	62	75	38	28	62	65	39	54	5	1	1
	1928		18	32	39	37	30	27	23	32	21	41	40	92	00	65	9	78	40	59	99	67	39	1	1	1	1
harge	1927		18	32	37	38	30	27	23	3.4	20	42	40	95	IOI	99	19	79	43	09	89	67	1	1	1	1	1
r Disc	1926		17	33	39	39	31	27	23	34	20	43	200	86	102	89	63	81	44	63	71	1	1	1	1	1	1
or "Alive" in each successive year after Discharge	1925	-	91	33	43	40	31	27	23	34	21	44	48	97	103	89	64	82	44	65	1	1	1	1	1	1	1
ive ye	1924	-	18	3+	43	41	32	27	24	33	22	43	48	97	104	71	64	84	46	1	1	1	1	1	1	1	1
nccess	1923	-	18	34	43	45	30	27	25	33	22	44	47	86	107	72	99	92	1	1	1	1	1	1	1	1	1
ach s		-	18	30	42	45	31	27	24	32	20	45	50	95	60	74	99	1	1	1	1	1	1	1	1	1	1
'in e	1919 1920 1921 1922	-		-		-		0	-		-	-	000	102	-		0	1	1	1	1	1	1	1	1	1	1
live '	920 1		1,110		12/2			70.0						105	3.77		1	1	1	1	1	1	1	1	1	i	1
r " A	1 616	-	-	-									-	801	-	1	1	ľ	1	1	1	1	1	1	1	1	-
	The second second	-	21	39	44	46	37	30	28	36	29	51	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number reported " Well "	1 2161	-	61	40	40	46	30	30	500	37	30	53	1	1	1	1	1	1	1	1	1	1	1	i	1	1	1
rted	9161	0,	10	200	30	47	40	34	25	31	58	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1
repo	1615	4.	07	200	4	45	37	30	20	37	1	1	1	1	1	1	1	1				1	1	1	1	1	-
mber	1914	:	44	44	4	0 0	30	32	56	1	1	1	1	1	1	1	1	1				11		1	1	1	1
Nu	1613	2	22	22	00	44	35	30	1	1	1	1	1	1	1	1		1		1			1	1	1	1	1
	912	00,	0 7	4	+	46	+		1	1	1	1	1	1	1	1			1	-		H		1	L	1	
	1116	01	61	45	2:	24			1	1	1	1	1	1		1			1	1	-	1		1	1	1	
	016	10	7 2	17	10				1	1	1	1	1	1				1	1	1	1	1			1	1	
	1 606	20	70	1	-	1	1		1	1	I	1	1	11				1	1	1	i	1	-		I		
	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918	23	01	1	-	1	1		1	1	1	1	1	11		11	1	1	1	1	1	1	1		1	1	
	Num	2.4	17	99	02	489	48	31	20	41	35	29	20	117	200	99	03	51	89	72	20	41	22	23	25	35	. 44
Year	9	10/9061	1007/08	60/8061	01/0001	11/0101	1011/12	1012/13	01010	913/14	Cr/6161	01/2/6161	17/0161	01//161	1010/20	1020/21	1921/22	1922/23	1923/24	1924/25	1925/26	1926/27	1927/28	1008/20	1920/29	1020/31	. Clack.

23

Table A6.—Statistics of Ultimate Results

111	
2	
7	
20	
12	
12	
S	
e S	
12	
-	
in t	
~	
60	
at	
2	5
SI	7
20	t
2	g
20	ਲ
a	D
+	Se
0	
were not	2
0	H
E I	le
R	10
3.	15
	0
	0
h T.1	H
12	0
.0	=
2	0
3	H
+	0
n fo i	
2	
2	
t	
5	
S	
0.1	
he	
+3	
s in the S	
.60	
SS	
ase	
10	
0	

						23																			
ber lost it of in 1932	fgis	н .	w 4	- 0	3	1 0	, -	. 1	I	1	v	0 64	I	1	2	1	1	4	1	-	1	-	1	1	
ser Dead		7	7	6	II	,	40	a w	0 10	4	- 14	0 61	8	Н	5	6	5	5	7	I	3	1	1	1	
	1932	13	25	27	23	61	13	120	26	30	, ,	31	41	47	44	26	38	40	41	23	31	31	20	20	
	1931	12	25	27	24	61	13	120	26	30		31	41	47	45	26	38	40	42	24	33	32	20	1	
	1930	11	250	282	24	61	13	200	26	30	2	44	41	47	45	27	39	42	43	24	35	32	1	1	
	1929	12	22	287	24	61	13	47	280	0 0	67	44	41	45	46	28	39	42	43	24	35	1	1	1	
90	1928	14	23	29	24	61	14	24	12	67	34	45	22	43	46	29	39	45	43	24	1	1	1	1	
ischar	1927	14	23	30	23	61	14	20	II	67	32	40	34	44	46	31	40	46	43	1	1	1	1	1	-
fter D	1926	14	23	30	24	18	14	20	II	67	32	40	33	46	47	35	42	48	- 1	1	1	1	1	1	-
Alive " in each successive year after Discharge	1925	13	23	31	24	18	14	20	12	070	30	45	34	47	48	32	43	1	1	1	1	1	1	1	1
ssive	1924	14	23	31	25	18	15	25	12	27	31	45	3 4	47	49	33	i	1	1	i	1	1	1	1	1
succe	1923	14	23	32	24	18	15	25	12	27	56	44	33	48	50	,	1	1	1	1	1	1	1	1	The same of
each	1920 1921 1922 1923 1924	13	23	27	24	18	15	24	II	50	31	42	333	480	- 1	1	1	1	1	1	1	1	1	1	
" in	1921	13	22	32	26	18	14	25	11	27	50	40	34	4	1	1	1	1	1	1	1	1	1	1	
Alive	1920	14	24	3 50	27	20	15	26	13	29	33	48	34	11	1	1	1	1	1	1	1	1	1	1	
=	0	15	24	27	27	20	14	25	6	56	31	47	1	11	1	1	1	1	1	1	1	1	1	-	
ell"	8161	15	25.0	200	29	21	17	27	14	32	33	1	1	11	1	1	1	1	1	1	1	1	1		
M	1617	13	56	25	29	21	18	28	15	31	1	1	1	11	1	1	1	1	1	i	1	1	-		
orted	19161	13	24	23	31	20	91	21	13	1	1	1	1	11	1	1	1	1	1	1	i	1	-		
repo	1 516	11	22	25	20	23	17	56	1	1	1	1	1	11	1	1	1	1	1	1	1	1	1		1
Number reported " Well " or	1914	10	23	31	30	22	18	1	1	1	1	1	1	11	-	1	1	1	1	1	1	1			
N N	1613	10	23	19	25	22	1	1	1	1	1	1	1	1	-	1	1	-	1	-	1	-		1	1
1	9121	1.0	25.0	27	33	31	1	1	1	1	1	1	1	1			-			1	1				1
	1116	7	29	28	56	1	1	1	1	1	1	1	1	1							1				
1	1 016	-	30		11	1	1	1	1	1	1	1	1	1	1	11					11		1	1	1
	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 191	;	30	1	11	1	1	1	1	1	1	1	1	1	1	1					11		1	1	1
	1 806	7.	2	1	11	1	1	1	1	1	1	1	1	1	1	1			1		11		1	1	1
	Numl	7.	31	39	42	26	10	280	17	32	3.4	51	35	50	40	51	33	45	49	44	25	200	35	20	20
Year	Dis- charge		1900/09	60/8061	01/6061	1910/11		1013/14	1914/15	1915/16	1016/17	81/2161	61/8161	1919/20		1921/22	1922/23	1923/24	1924/25	1925/20	1920/27	192//20	1920/29	1929/30	1930/31

Table A7.—Statistics of Ultimate Results

Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium Group II considered separately

	24
Number lost night of in 193	аанны нны тны ты ты на
Number Dead in 1932	4 2 4 4 4 4 4 4 7 7 5 2 8 4 4 4 1 4 8 4 4 8 4 1
1932	22 22 24 1 1 4 1 2 2 2 2 2 2 2 2 2 2 2 2
1931	12 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1930	12 88 8 7 7 7 6 6 8 8 8 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1929	4928800778118118811891111111111111111111111
1928	4028 80 80 70 70 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
scharg 1927	4918 78 77 921 19 97 11 11 11 11 11 11 11 11 11 11 11 11 11
in each successive year after Discharge	E 5 1 8 7 8 7 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
rear af	80148 V8 V V 0 441 18 17 2 V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ssive y	4014078776941119977891111111
succe 1923	401198648881199778869841881191111111111111111111111111111
each 1922	21140780078113084484111111111111111111111111111111
" in "	2246768870112000000000000000000000000000000000
or " Alive " in 919 1920 1921	22112
6161	113 8 8 8 8 7 7 7 8 8 8 8 8 7 7 1 1 1 1 1 1
	0 11 1 1 1 1 1 1 8 8 8 4 8 8 1 1 1 1 1 1
Number reported " Well "	0 244 0 48 8 26
orted 1916	13 13 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15
r rep	22478200111111111111111
mber r9r4	41258001111111111111
Nu 1913	2545841111111111111111111111111111111111
1912	~ E E E E E E E E E E E E E E E E E E E
1161	245 E
0161	25.0
6061	~2
Number reported " Well " 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918	9111111111111111
Number	73 5 5 5 6 5 7 5 6
Year of Dis- charge	1906/07 1907/08 1909/10 1911/12 1911/12 1912/13 1919/20 1919/20 1922/23 1923/24 1925/26 1925/26 1925/26 1925/26 1925/26

Table A8.—Statistics of Ultimate Results

Cases in the Sputum of which T.B. were not demonstrated in the Sanatorium Group III considered separately

-			_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_		1	_	_	_	-	
ni lost	idgis	1	+	1	1	1	1	1	1	-	1	1	1.	-		11							1	1		1
r Dead		-	н	+	01		21	01	-	2	3	1	mo	0 10	0	1	- 0	noo		- 0	4 +		1.	-		-
	1932	0	0	-	0	0	0	н :	1	0	-	0	4	4 (0	4 1	,	40	4 .	4 1	0	+ 0	4 >			-
	1931	0	0	н	0	0	0	61	I	0	1	0	4	4 0	0	4.	,	4 0	0.	4 1	0	0	1		-	1
1.	1930	0	0	H	0	0	0	17	I	0	н	0	4	+ 0		4 (4.	4.	4	0	0	11	1	1,	1
	1929	0	0	1	0	0	0	01	н	0	н	0	4	4.	4	41	,	4.	0.	4	0	0	c4	1	1	1
	1928	0	0	н	0	0	0	C1	1	0	ı	0	4	0	0	41	-	04	0 .	4	0	0	1	1	1	-
harge	1927	0	0	-	0	0	0	2	I	0	н	0	4	2	2	41	,	0	0	4	2	1	1	1	1	1
or " Alive" in each successive year after Discharge	1926	0	0	I	н	0	ı	7	н	0	61	0	5	50	0	4 1	,	2	7	5	1	1	1	1	1	1
ar afte	1925	0	0	I	н	0	I	62	I	0	64	0	2	101	0	41	1	00	0	1	1	1	1	1	1	1
ve ye	1924	0	1	ı	H	0	н	64	н	H	63	0	5	0	0	+	6	2	1	1	1	1	1	1	1	1
ıccessi	1923 1	0	I	I	-	0		3	н	н	2	0	101	0	0	+ :	+	1	1	1	1	í	1	1	1	-
ach sı					ı	-	-	3	-	_			100	-		4	1	1	1	1	1	1	1	1	1	-
" in e	921 1	0	н	ı	н	0	0	3	н	2	61	0	9	H	0	I	1	1	1	1	1	1	1	1	1	1
Mive	1919 1920 1921 1922		1. 1										9		1	1	1	1	1	1	1	1	1	1	1	1
or " 10	6161	0	0	н	н	0	I	2	I	61	3	0	9	1	1	1	1	1	1	1	1	1	1	1	1	1
2	8161	0	н	I	68	0	1	3	н	61	3	0	1	1	1	1	1	1	I	1	1	1	1	1	1	1
Number reported " Well	161	0	1	I	64	0	I	2	н	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
orted	9161	0	0	I	01	0	н	7	н	23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
r repo	5161	0	Н	H	н	0	н	2	64	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
mbei	1914	0	0	н	н	0	н	64	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nu	913	. 0	0	н	61	н	I	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	912 1	0	2	-	23	H	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1 116	0	0 01	н	61	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1016	0	0 64	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1 606	-	• 01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ĺ
	1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
nged	Num		. 2	10	1 61	I	64	**	0 01	4	4	0	7	13	00	4	14	7	IO	5	7	5	2	61	I	0
		-	80/	00/	01/	11/	112	13	/14	15	91/	41/	18	61/	/20	21	22	/23	/24	25	56	27	128	56	30	2.T
Year	Dis-	1,400	1000	008/6	600	1016	/110	912/	1810	1914/15	/516	1910	/216	/8161	6161	12/0261	1261	12261	1923/	1924/25	1925/26	1926/27	1927/28	928/	1929/30	TO20/2T

Lost sight of

TABLE BI.—STATISTICS OF ULTIMATE RESULTS

Alive Dead Lost sight of Alive Dead Lost sight of Alive Dead Lost sight of Lost sight of Lost sight of Condition in 1932 Alive Alive Alive 12 4 1 1 27 H 16/0861 28 133 18 111 1929/30 13 00 -62/8261 10 81 4 82/7291 14 Cases in the Sputum of which T.B. were demonstrated in the Sanatorium 10 15 3 42/9261 2 11 92/5261 17 52/1261 10 00 111 1823/24 000 100 1922/23 6 4 001 44 11 21 22/1261 Discharged during the Year 27 27 21 7 00 4 12/0261 30 10 02/6161 33 61/8161 1 m 30 30 181/4161 30 500 00 100 29 35 4. 41/9161 100 91/\$161 50 00 31 1000 H 17 51/1161 50 H 333 1913/14 15 11 25 1 1912/13 mm 1 1 4 1 38 9 H 4 12 H 21/1161 20 H 3 4 2 6 900 11/0161 50 E H 1 10 1 9 1-1 34 01/6061 II 100 23 2 2 60/8061 1 2 2 11 01 100 30 80/4061 024 22 H 300 1000 401 20/9061 Stationary Improved Discharge Improved Improved Disease Arrested or Worse Disease Arrested Condition on Much Much

croup 1

-simbA nois

The proved 1 5 23 21 12 16 18 18 18 18 18 18 19 18 18								-				
Improved 1 5 23 21 12 16 18 8 13 2 8 13 6 4 7 1 1 1 15 15 16 17 1 1 15 15 17 1 1 1 15 1 15 15	Alive Dead Lost sight of	Alive Dead Lost sight of	Alive Dead Lost sight of	Alive Dead Lost sight of	sight	sight	Alive Dead Lost sight of					
Improved 1 15 23 21 12 16 18 8 13 9 9 13 6 4 7 1 1 15 6 7 4 5 Stationary	3 3	1 2 21	1	111	1001	00 64	124 10	134				
Improved 1 15 23 21 12 16 18 8 13 9 9 13 6 4 7 1 1 15 6 7 4 5 Stationary	31	122	111	++	200	41	31	155				
Improved 11 15 23 21 12 16 18 8 8 13 9 8 13 6 4 7 1 1 15 6 7	27	0 1 1	1++	101	200	1 6 2	82 35					
Improved 11 15 23 21 12 16 18 8 13 9 8 13 6 4 7 1 1 15 6 6 6 10 10 10 10 10	441	200	-11	44	1 67	+ 4	79 41 1	121				
Improved 11 15 23 21 12 16 18 8 13 19 9 8 13 6 4 7 1 1 15 6 6 10 10 10 10 10 10	7	401	-	1 22	11 6	10 2	36	127				
Improved 1 15 23 21 12 16 18 8 8 13 9 8 13 6 4 7 1 1 1 1 1 1 1 2 2 2	129	17	111	0 8	10	4 6 I	50					
Improved 1 15 23 21 12 16 18 8 13 9 8 13 6 4 7 1 Stationary 1 15 23 21 12 16 18 18 13 10 9 7 2 2 1 Disease 1 2 2 3 1 1 1 2 3 1 1 1 3 1 Arrested 2 3 3 3 3 3 3 3 3 3	15	H 44	-11	47	23	10	52 75 1	128				
Improved 11 15 23 21 12 16 18 8 13 9 8 13 6 4 7 Stationary	1-1	111	7	23	262	101	63 102 1	991				
Improved 1 15 23 21 12 16 18 8 13 9 8 13 6 4 Stationary	-11	111	400	20 46	1 25	401	60 105	165				
Improved 1 15 23 21 12 16 18 8 13 9 8 13 6 4 Stationary	1-1	+	44	111 522	9 20	101	51 124 1	176				
Improved 1 15 23 21 12 16 18 8 13 9 8 13 6 Stationary	-41	101	441	27	35	00	69 125 3					
Improved 11 15 23 21 12 16 18 8 8 13 9 8 13 Stationary	401	141	4 +	10 27 1	30	19	68 125 3					
Improved 1	13	1 7	111	18 29 2	2 19 1	19	74	861				
Improved 1 1 2 3 1 3 2 4 1 1 1 1 2 2 2 2 2 1 2 2	r-∞	1 6	111	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21	2 4 1	51 128 5	200				
Improved 1 1 2 3 1 3 2 4 1 1 1 2 2 2 1 2 2 4 1 1 2 2 2 2 2 2 2 2	101	103	1-1	27 1	1 26	25	63 146 3	212				
Improved 1 1 2 3 1 3 2 4 1 1 1 2 2 2 1 2 2 4 1 1 2 2 2 2 2 2 2 2	13	13	1-1	8 15 I	13	188	26 126 2	154				
Improved 1 15 23 21 12 16 18 8 8 Stationary	H 00	48	111	19	17	323	41 149 3	193				
Improved 1 15 23 21 12 16 18 18 19 19 19 19 19 19	4-00	181	1-1	1 63	121	2: 14	37 136	177				
Improved 1 15 23 21 12 16 Stationary	1 00 1	19 1	+	191	1:1	1 24 1	30 128	160				
Improved 1 15 23 21 12 Stationary	163	10 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	++	9 1	13	32	30 158 10	198				
Improved 1 15 23 21 Stationary 0 18 18 16 Worse 1 - 2 - Disease - 2 - Arrested - 2 - Improved 1 2 2 18 Improved 1 2 2 18 Stationary - 2 2 18 Worse 17 33 42 21 Worse 28 41 39 35 Total 125 206 205 192	121	181	111	100	17	1 23	29	197				
Improved 1 15 23 18 18 18 18 18 18 18 1	21 1	191	111	1:1	18	21	35	192				
Improved 1 15 15 15 15 15 15 15	23 1	181	101	16	27	45	1					
Stationary — or Improved 11 Obsease — Arrested — Ruch 8 Improved — Improved 10 Stationary — or 17 Worse — 17 Vorse — 17 Total 125	121	181	111	18 1	217	33	41 159 6	206				
Stationary Or Worse Arrested Arrested Improved Improved Stationary or Worse Summary	-=1	1 9 1	111	1000			28 93 4					
Group III. Group	Improved	Stationary or Worse	Disease	Much	Improved	Stationary or Worse	Summary					
	dnoz	Group III. Group										

Table B2.—Statistics of Ultimate Results

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

Condition	in 1932	Alive Dead Lost sight of					
	18/0861	17 I	111	2	+	411	2
	08/6261	811	+11	+11	111	51	411
	62/9261	42	4 +	4	-11	9 8 1	611
	82/2261	48 H	m н	611	-11	0 H	пн
	42/9261	22 I	111	-11	-11	4+	611
	92/9261	35 H 22	411	4 []	-11	1-41	611
	92/4261	3 8 8	1-13 H	-11	111	611	211
	tz/2261	31	211	-11	+11	8 1	611
	£z/zz61	12	401	++	111	641	111
	22/1261	2451	1 61	1 10	111	17 4 1	01 H
Discharged during the Year	12/0261	4 n	-11	1 1 10	111	∞ % H	-11
g the	oz/6161	34	13.5	411	+11	98	۳
durin	61/8161	1 23	1 1	111	411	12 42	92 6 4
beg o	81/7191	34	7 1	- -	111	3 60	25 1 3 4
schar	41/9161	18	1 2 2 1	111	111	981	г»ч
Ä	91/\$161	155	H H	111	111	100	н ю н
	51/4161	9 1 1	441	011	111	+11	ren
	t1/£161	911	172	1 H	111	++	- 4 -
	£1/2161	0 4 4	101	111	611	641	
	21/1161	18	111	-11	111	4 4 60	401
	11/0161	111 22	11	111	11"	441	10-
	01/6061	45 8 6	1 1 1	"	+11	441	6 41
	60/8061	0 6 4	4 1	411	-11	1041	100
	80/4061	17 5 8	4+1	"	111	461	4 70 H
	20/9061	121	0	111	111	100 H	- -
Condition on	Discharge	Disease Arrested	Much	Improved	Stationary or Worse	Disease	Much
Son	-simbA nois		I q	1	II		

Alive Dead Lost sight of							
Alive Dead Lost							
+	01	111	111	+ .	"	43 1	44
411	++	111	111	+	111	33	35
101	NH	111	111	+11	1 + 1	84 4 1	53
11 10	14	111	61	111	111	47 7	55
2 H	111	+11	+	4	111	37 H	41
E 1	+	e	+	на	111	09 1	70
2 11	+	+	w	111	"	0 8 4	72
-11	++	44	+	101	111	53 14 1	89
110	111	ен	++	"	111	35	51
ннн	111	24	-	1 3 1	111	71 18 4	93
+	+	1 1	-11	+	111	62 3	99
10	111	+11	44	+	111	19 16 1	78
15 H	4+1	+	mm	101	1 8 4	16 19 9	611
44	100	+	191	+	111	86 83 88	117
и н	1 4 1	111	111	111	111	45	58
1+1	иин	111	+	101	"	36 19 4	59
1+1	+	111	1-1	11"	141	13	35
ю н	+11	111	-11	111	141	32 22	41
+11	1 1 1	+	1 4 1	111	111	12 8 21	31
"	"	111		"	111	25 20 3	48
111	-11	111	111	1-1	111	28 16 4	48
111	+11	111	1-1	1-1	111	35	59
64	H 01	111	++	1111	111	38	99
+11	1 + 1	111	1 " "	111	111	28 17 6	51
111	111	1111	1-1	1111	111	16	24
Improved	Stationary or Worse	Disease	Much	Improved	Stationary or Worse	Summary	TOTAL
dnorg			III	Cronp 1			L









