

**Report for the year 1896 of the statistical committee, with appendices :
(11th year of issue) / Metropolitan Asylums Board.**

Contributors

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METROPOLITAN ASYLUMS BOARD.

REPORT FOR THE YEAR

1896

OF THE

STATISTICAL COMMITTEE,

WITH

APPENDICES.

(11th YEAR OF ISSUE.)

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METROPOLITAN ASYLUMS BOARD.

R E P O R T

OF THE

STATISTICAL COMMITTEE

FOR THE YEAR 1896.

METROPOLITAN POLICE DEPARTMENT

REPORT

STATISTICAL COMMITTEE

FOR THE YEAR 1900

METROPOLITAN ASYLUMS BOARD.

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1896

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METROPOLITAN POLICE BOARD

REPORT FOR THE YEAR

1936

STATISTICAL COMMITTEE

APPENDICES

THE YEAR OF 1936

1936

REPORT FOR THE YEAR

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1897.

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METROPOLITAN ASYLUMS BOARD.

REPORT OF THE STATISTICAL COMMITTEE FOR THE YEAR 1896.

*To the Managers of the
Metropolitan Asylum District.*

26th May, 1897.

We have the honour to submit our report for the year 1896.

i. INFECTIOUS DISEASES.

(1.) During the year there were notified in the Metropolis **Notification Statistics and Spotted Maps.** 49,708 cases of infectious disease. Of these, 42,876 were legally eligible for admission to the Managers' hospitals. The remainder—mainly cases of erysipelas, but including also 277 cases of puerperal fever—were not eligible. Out of the 42,876 cases legally eligible for admission, 22,273 cases, or 51·94 per cent., were actually admitted.

Since 1890, the first complete year in which compulsory notification was in force, the proportion of admissions to the total number of legally admissible cases has been as follows:—In 1890, 33·59 per cent.; in 1891, 36·69 per cent.; in 1892, 43·17 per cent.; in 1893, 36·91 per cent.; in 1894, 52·23 per cent.; and in 1895, 50·31 per cent.

Table A, p. 14, shows the number of notifications of, and deaths from, those notifiable diseases which are eligible for admission to the Managers' hospitals, the ratio of such notifications and deaths to the population, the number of notifications of other notifiable diseases, and the grand total of cases notified during 1896.

A line has been added at the foot of the table to show the percentage of cases which were admitted into the Managers' hospitals.

Facing p. 15 we give, as in previous years, a chart showing week by week throughout the year the number of cases of each admissible disease notified. This year we have for the first time added to the chart dotted lines showing the number of cases of scarlet fever and diphtheria actually admitted. As is shown in Table A, the percentage of scarlet fever cases actually admitted is for the entire year 62·65. The chart, however, shows that, whereas in the first five months of the year, when the Managers were able to

accommodate all applicants, 70·40 per cent. of scarlet fever cases were admitted, between the beginning of July and the end of November only 58·51 were admitted, while in the month of greatest pressure (October) the percentage fell to 57·42. There was no reason why a smaller percentage of the total cases should need hospital accommodation in October than in the early months of the year. The difference between 70·40 per cent. and 62·65 may therefore be considered as representing the percentage of patients who failed to find in the Managers' hospitals the accommodation which they needed. We think, therefore, the chart as now drawn will be useful to the Managers and their constituents as evidence of the extent to which new fever accommodation in the Metropolis is needed.

The diseases admissible to the Managers' hospitals, according to Table A, appear to have been most prevalent in the Sanitary districts of Bethnal Green, Whitechapel, St. George-in-the-East, Mile End Old Town, Greenwich, Kensington, Clerkenwell, and Chelsea; and least prevalent in the districts of St. James Westminster, Fulham, St. George's Hanover Square, Woolwich, and Lee.

In the districts of Camberwell and Lewisham the number of notifications of diphtheria exceeded those of scarlet fever.

Maps spotted to show the distribution of the principal fevers throughout the Metropolis during 1896 will be found in the pocket at the end of this volume.

In all, there are seven maps, dealing with five diseases.

Scarlet Fever cases are spotted on four maps—one for each quarter of the year.

In the *Diphtheria* map, the prevalence of the disease in certain localities is well defined, particularly in the East-end, in Islington, Chelsea, Battersea, Newington, Camberwell, and Greenwich.

On the *Enteric Fever* map, a few considerable aggregations of cases are apparent, notably in St. Pancras, Islington, Shoreditch, and Poplar.

Smallpox and *Typhus Fever* cases are shown on one map, the former being represented by spots and the latter by crosses. The most considerable outbreaks of smallpox occurred in Kensington, Islington, Lambeth, Camberwell, and Greenwich.

Typhus fever has, for some years past, almost disappeared, and very few cases now occur.

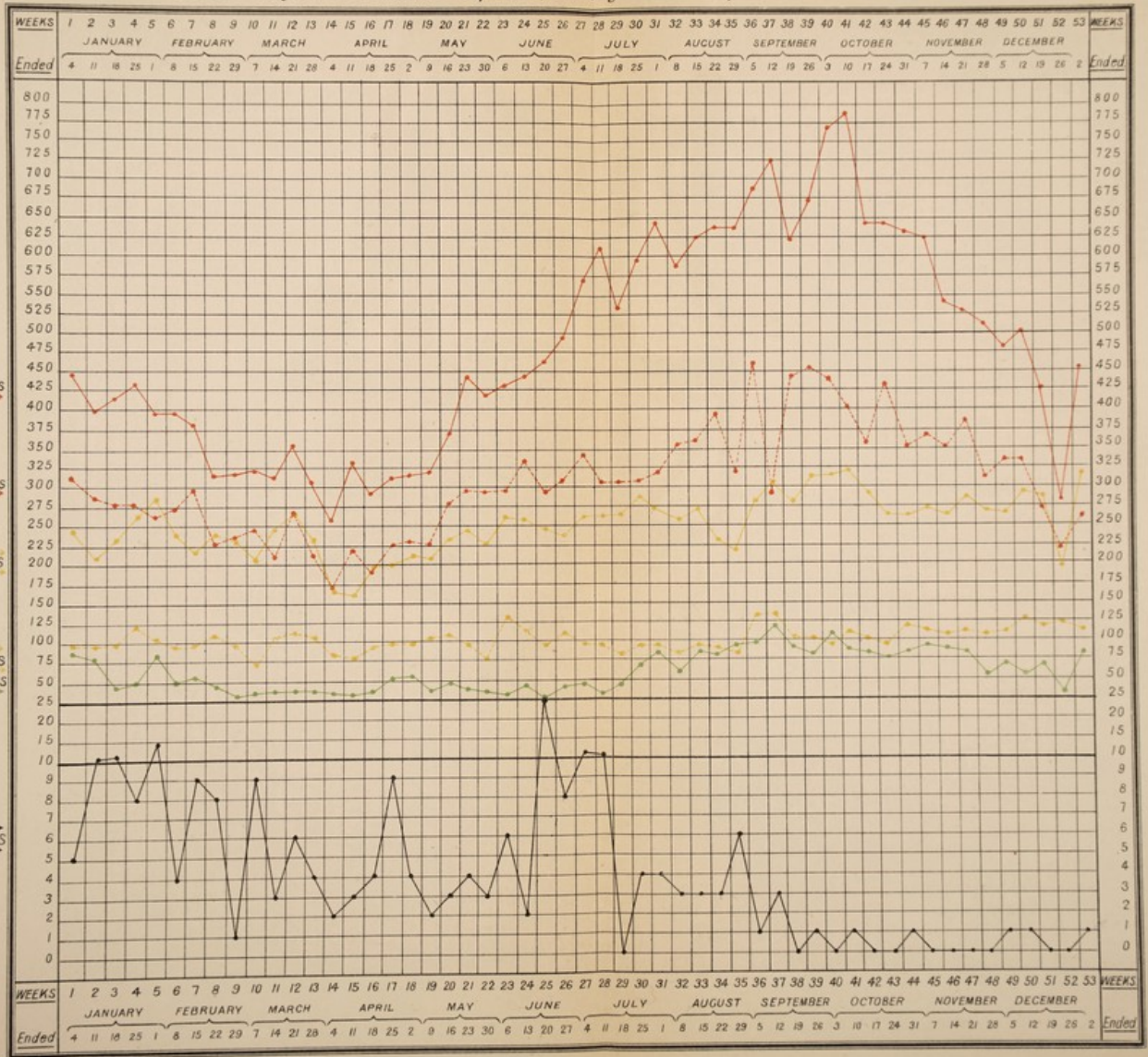
Age and Sex Distribution. Tables A¹ and A² exhibit the age and sex of cases notified as scarlet fever and diphtheria respectively during the year. It will be seen that both diseases are most prevalent amongst children; over two-thirds of the cases being under ten years of age. But

The first ten lines from bottom represent one case each, the next three lines five cases each, and the remainder 25 cases each.

METROPOLITAN ASYLUMS BOARD.

The first ten lines from bottom represent one case each, the next three lines five cases each, and the remainder 25 cases each.

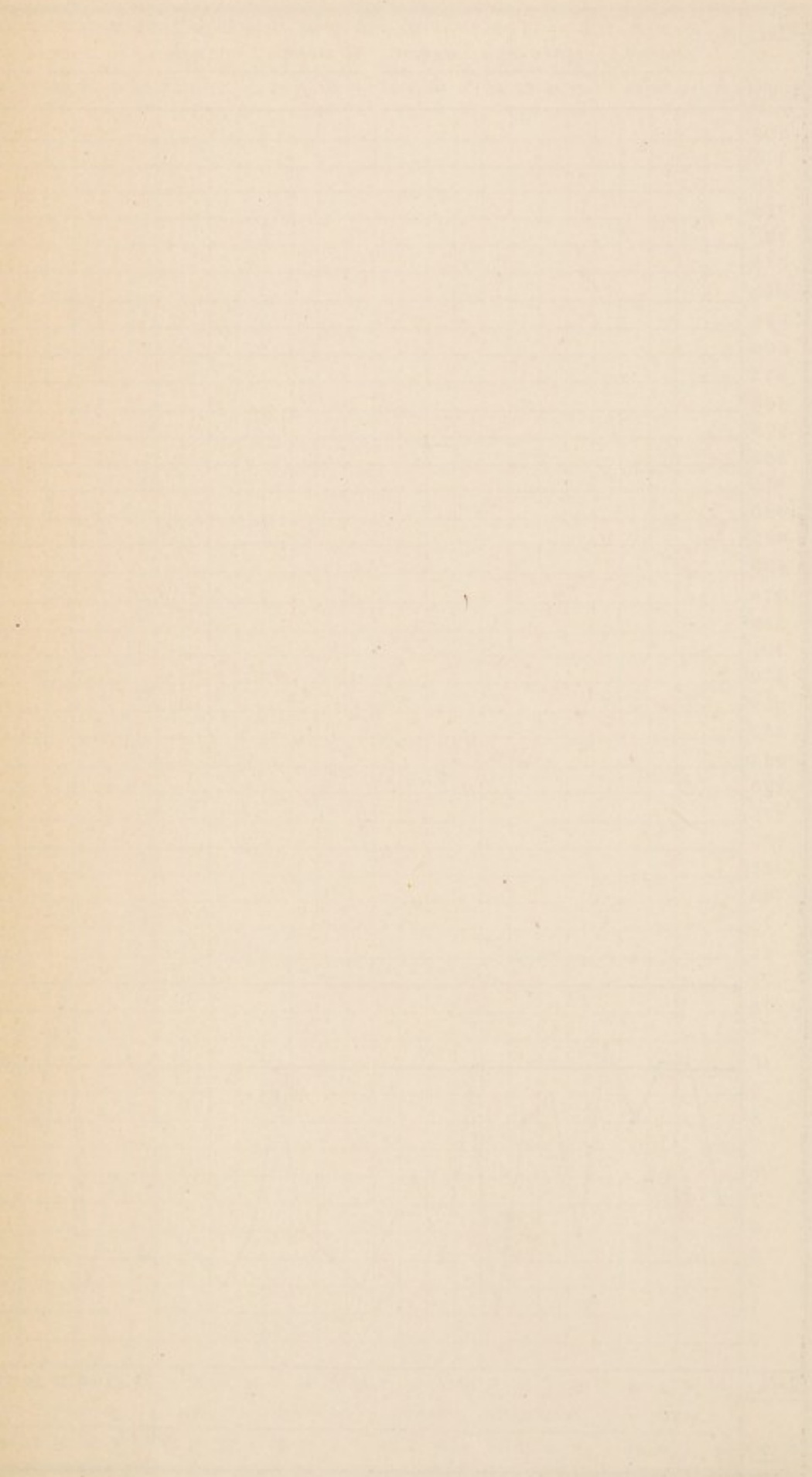
CHART showing cases of Scarlet Fever, Enteric Fever, Diphtheria and Smallpox. Notified within the Metropolitan District during each week of the year 1896, also cases of Scarlet Fever and Diphtheria admitted into the Asylums' Board's Hospitals, during the same period.



METROPOLITAN

CHART

of the



whereas scarlet fever is most prevalent amongst children from five to ten years of age, diphtheria is most so amongst those under five years.

SCARLET FEVER.—TABLE A¹.—*Showing the ages of the cases notified as Scarlet Fever during 1896.*

AGES.	Males.	Females.	Total.
Under 1	208	195	403
1 to 2	497	464	961
2 ,, 3	897	887	1,784
3 ,, 4	1,160	1,168	2,328
4 ,, 5	1,193	1,208	2,401
Total under 5	3,955	3,922	7,877
5 to 10	4,657	5,250	9,907
10 ,, 15	2,202	2,392	4,594
15 ,, 20	718	699	1,417
20 ,, 25	329	423	752
25 ,, 30	173	294	467
30 ,, 35	88	128	216
35 ,, 40	45	84	129
40 ,, 45	27	42	69
45 ,, 50	19	18	37
50 ,, 55	5	12	17
55 ,, 60	4	3	7
Upwards	4	8	12
Unrecorded	71	70	141
Sex unrecorded ... ..	...	...	5
Total	12,297	13,345	25,647

DIPHTHERIA.—TABLE A².—*Showing the ages of the cases notified as Diphtheria during 1896.*

AGES.	Males.	Females.	Total.
Under 1	131	117	248
1 to 2	417	358	775
2 ,, 3	573	510	1,083
3 ,, 4	714	641	1,355
4 ,, 5	692	737	1,429
Total under 5	2,527	2,363	4,890
5 to 10	1,840	2,351	4,191
10 ,, 15	655	945	1,600
15 ,, 20	305	476	781
20 ,, 25	217	372	589
25 ,, 30	149	320	469
30 ,, 35	100	223	323
35 ,, 40	52	135	187
40 ,, 45	31	67	98
45 ,, 50	24	42	66
50 ,, 55	9	32	41
55 ,, 60	9	13	22
Upwards	7	17	24
Unrecorded	41	38	79
Sex unrecorded ... ..	...	...	2
Total	5,966	7,394	13,362

Ambulance Work. (2.) The Ambulance Committee in their report on p. 41 refer to the increased prevalence of scarlet fever and diphtheria as compared with the previous year, and state that as a consequence of such increase and of the fact that the proportion of notified cases admitted into the Managers' hospitals showed a further increase during the year, the work accomplished by the land ambulance service was considerably in excess of that of any year since the service was established.

During the year 22,417 fever, diphtheria, and smallpox patients were conveyed to the various hospitals of the Managers; 9,998 convalescent patients were transferred to the Northern and Gore Farm Hospitals; and 9,528 recovered patients were brought back from those hospitals to London. Further, 433 private persons were removed on payment to other places than the Managers' hospitals; 1,287 were taken from the out-patient departments of general hospitals to their homes, owing to there being no vacant beds in the Managers' hospitals; and 109 enteric patients were removed from their homes to the general hospitals, where arrangements for their reception had been made by the Managers.

Altogether, 44,374 removals were effected by the land ambulance service during 1896, and the various vehicles made 26,646 journeys, and ran 296,792 miles. The highest previous numbers were attained in 1893, when the figures were 36,976, 24,017 and 245,311 respectively.

The steamboats of the river ambulance service conveyed 2,399 passengers to and from the hospital ships at Long Reach; of that number 188 were patients taken to the hospital ships, 243 were recovered patients brought back to London, and 1,968 were visitors, staff, workmen, &c.

The vessels were under steam for 629 days, travelled 10,333 miles, and carried, besides the passengers before mentioned, 1,878 packages of stores, &c., weighing 76 tons 4 cwt.

Hospital Accommodation for Fevers and Diphtheria. (3.) In August last the Managers were able to bring into use the new Brook Hospital, at Shooter's Hill, Woolwich, thus adding 488 beds to the total normal accommodation of their hospitals.

At the Western Hospital, works are in progress which, when completed, will raise its accommodation to a total of 450 beds.

Unfortunately the reconstruction of the North-Eastern Hospital has not yet been commenced, although the Managers approved of plans for its partial reconstruction as long ago as November 9th, 1895. These plans

provided for an eventual extension of the hospital to 744 beds; but the Local Government Board, in a letter dated June 24th, 1896, refused to—

sanction the erection of permanent buildings for a greater aggregation of acute cases of fever and diphtheria than that to which they have already assented in the case of the Managers' hospitals now in course of erection.

In the opinion of the Managers, the larger number of patients might have been provided for with perfect safety, having regard to the extent of the site and the proposed distribution of the wards. In the circumstances, however, the Managers felt that they had no option but to instruct their Architects to prepare plans for a hospital of not more than 548 beds.

The erection of the Park Hospital and the Grove Hospital, referred to in our last report, is being proceeded with as expeditiously as possible, and it is anticipated that the former will be ready for the reception of patients in the autumn of 1897, and the latter in the following summer.

The Managers' scheme of hospital provision will then be complete, with the exception of the reconstruction of the North-Eastern Hospital and the erection of a hospital for convalescent fever patients on the southern side of London. For this hospital the Managers have at last been able to secure a suitable site at Carshalton, and in a short time they will be in a position to have the necessary plans prepared.

The completion of the scheme described above will place the Managers in the possession of nearly 6,000 beds for infectious diseases other than smallpox.

**Fever and
Diphtheria
Statistics.**

(4.) It will be noted that tables of complications amongst fever and diphtheria cases and of diseases coexistent with the attack of fever or diphtheria, which have appeared amongst the fever statistical tables in former reports, have this year been omitted from them and relegated to the Medical Supplement (p. 155), now for the first time introduced.

In introducing this strictly medical supplement, we have been mainly influenced by a desire to afford the Managers' medical officers an opportunity of putting on record matters of special interest arising in connection with the treatment of the enormous number of infectious cases which are now annually admitted into the Managers' hospitals. We also trust that it will result in increased uniformity in the method of classification in the purely medical statistics.

Summary Table I. (p. 65).—On the last day of 1895 there were 3,500 fever, diphtheria, and other patients in the fever hospitals then open.

By April 18th, 1896, the number under treatment had fallen to the minimum, 3,217. After that date the number rose until November 2nd

when the maximum, 4,996, for the year was attained, and it then slowly declined until the end of the year, when 4,566 patients remained under treatment.

The following was the distribution of patients amongst the various hospitals on November 2nd:—

HOSPITAL.	BEDS OCCUPIED.					TOTAL.
	Scarlet.	Diphtheria.	Typhus.	Enteric.	Other Diseases.	
Eastern Hospital	301	72	...	17	...	390
North-Eastern Hospital...	534	...	...	...	...	534
North-Western	341	85	...	24	...	450
Western	241	84	...	16	...	341
South-Western	239	52	...	22	...	313
Fountain	302	96	...	...	...	398
South-Eastern	246	120	...	40	...	406
Brook	404	105	...	18	...	527
Northern	820	76	...	...	...	896
Gore Farm	741	...	...	...	...	741
TOTALS	4,169	690	...	137	..	4,996

The total number of patients under treatment during the year was 25,773, as compared with 19,360 in the preceding year.

The total admissions were 22,273 as compared with 16,847 in 1895, 16,667 in 1894, 18,674 in 1893, 16,276 in 1892, 7,809 in 1891, 8,334 in 1890, 5,772 in 1889, 5,152 in 1888, and 6,537 in 1887. Up to the latter year the largest number admitted in any year had been 2,867 in 1882.

The total discharges during the year were 19,386; and the deaths were 1,821, or a total mortality of 8.37, as compared with 10.22 in the preceding year.

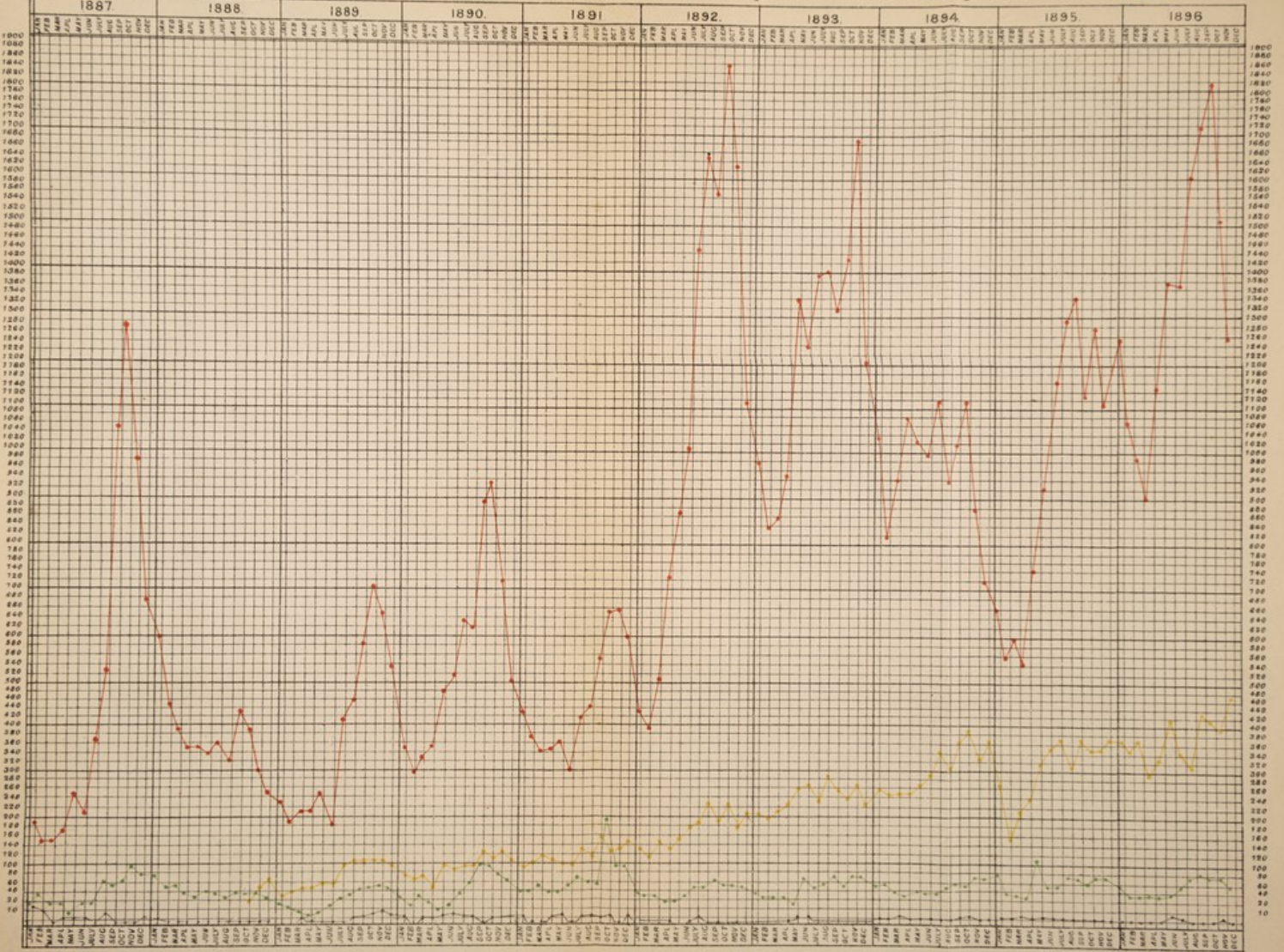
Summary Table II. (p. 68).—The total monthly admissions of all cases were lowest in April, and highest in October.

The accompanying chart shows the monthly admissions of each kind of fever from and including the year 1887.

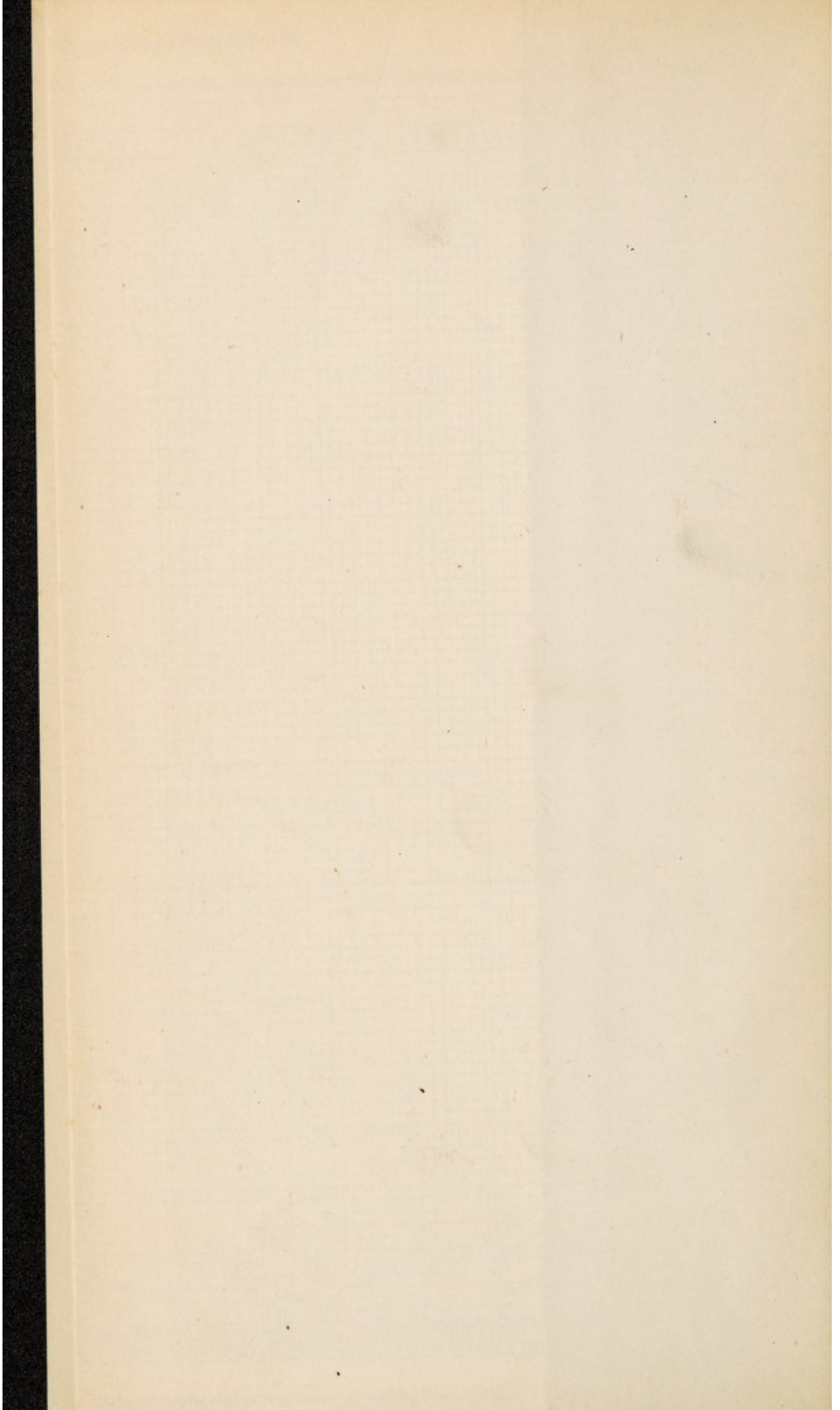
During the twenty-five years which have elapsed since the first of the Managers' fever hospitals was opened, the scarlet fever admissions fell to the minimum eight times in February, four times in March, seven times in April, four times in June, once in September, and once in December (1888); while the maximum number of admissions was reached once in January (1888), twice in July, four times in September, eleven times in October, five times in November, and twice in December. The enteric

METROPOLITAN ASYLUMS BOARD.

FEVER CHART—MONTHLY ADMISSIONS—Scarlet fever—Red line—Enteric fever—Green line—Typhus fever—Black line—Diphtheria—Yellow line



NOTE. — Diphtheria cases were not admitted into the Board's Hospitals until the 23rd October, 1888.



fever admissions fell to the minimum three times in March, seven times in April, seven times in May, seven times in June, and once in July; and rose to the maximum once in May, three times in September, twelve times in October, eight times in November, and once in December.

Typhus fever has of late years only occurred in the Metropolis in small local outbreaks; and in 1896 only nine cases in all were admitted.*

Diphtheria cases were not admitted to the Managers' hospitals until October 23rd, 1888. Since then the minimum monthly admissions have been as follows:—In 1889 and 1891 in January; in 1892, 1893, 1894, and 1895 in February, and in 1890 and 1896 in April: while the maximum monthly admissions have occurred in 1895 in July, in 1892 in August, in 1890 and 1891 in September, in 1894 in October, in 1889 and 1893 in November, and in 1896 in December.

The maxima of scarlet fever, diphtheria, and enteric fever admissions must not, however, be regarded as indicating with accuracy the greatest seasonal prevalence of these diseases, for the reason that on several occasions the accommodation in the Managers' hospitals became completely exhausted, and consequently any further rise in the number of admissions was impossible.

Summary Table III. (p. 72) gives the admissions and deaths of patients from the several parishes and unions during 1896. Scarlet fever, diphtheria, and enteric cases were admitted from every parish and union in the district.

Statistics of Scarlet Fever. *Summary Table IV. (p. 74)* shows the scarlet fever admissions, and deaths at various ages. Up to the year 1888 the admissions and deaths of patients in the first five years of life were given as an aggregate figure, but the Committee being of opinion that the table would be more valuable, if the figures were given for each of such years separately, it has since been arranged accordingly.

The total admissions of scarlet fever cases in 1896 were 15,982: the female were 550 in excess of the male admissions. The total mortality, calculated on the admissions, was 4·2 per cent.

The following table is compiled from the Summary Tables since 1892, the year when the Public Health (London) Act, 1891, came into operation, permitting the admission, free of charge, of any person reasonably believed to be suffering from fever, diphtheria, or smallpox.

* Only six of these cases were certified as typhus fever; the three others were admitted certified as enteric fever cases.

SCARLET FEVER.—TABLE B.—*Showing the Mortality at various ages of 66,492 cases admitted into the Board's Hospitals in the years 1892 to 1896 inclusive (i.e., since all legislative restrictions have been removed.)*

AGES.	MALES.			FEMALES.			TOTAL.		
	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Combined Mortality per cent.
Under 1... ..	350	93	26·6	276	76	27·5	626	169	27·0
1 to 2... ..	1,174	247	21·0	1,079	243	22·5	2,253	490	21·7
2 ,, 3... ..	2,076	338	16·3	1,995	336	16·8	4,071	674	16·6
3 ,, 4... ..	2,863	337	11·8	2,942	352	12·0	5,805	689	11·9
4 ,, 5... ..	3,083	273	8·9	3,327	250	7·5	6,410	523	8·2
Totals ...	9,546	1,288	13·5	9,619	1,257	13·1	19,165	2,545	13·3
5 to 10... ..	12,965	442	3·4	14,386	446	3·1	27,351	888	3·2
10 ,, 15... ..	6,089	80	1·3	6,500	79	1·2	12,589	159	1·3
15 ,, 20... ..	1,936	31	1·6	1,986	32	1·6	3,922	63	1·6
20 ,, 25... ..	770	7	0·9	963	19	2·0	1,733	26	1·5
25 ,, 30... ..	349	4	1·1	556	7	1·3	905	11	1·2
30 ,, 35... ..	182	5	2·7	273	5	1·8	455	10	2·2
35 ,, 40... ..	74	2	2·7	119	3	2·5	193	5	2·6
40 ,, 45... ..	38	1	5·2	65	3	2·9	103	4	3·9
45 ,, 50... ..	19	2		17	—		36	2	
50 ,, 55... ..	14	1		14	—		28	1	
55 ,, 60... ..	5	—		4	—		9	—	
And upwards	1	—		2	—	3	—		
Totals ...	31,988	1,863	5·8	34,504	1,851	5·4	66,492	3,714	5·6

N.B.—The above table includes deaths within 48 hours after admission, as well as deaths from intercurrent maladies.

The relation of age and sex to mortality is clearly indicated by the above table. The disease is most fatal to children under five years of age, and notably so to infants in the first and second years of life. More females than males have been admitted, but the mortality per cent. amongst the latter is greater than amongst the former by 0·4.

Statistics of Diphtheria. *Summary Table V. (p. 76)* shows the admissions and deaths at various ages of diphtheria cases during the past year.

In considering the influence of the antitoxic serum treatment upon the mortality of this disease, it is most interesting to compare the diphtheria statistics for the year 1893, when the serum treatment was not practised at any of the Board's hospitals, with those of 1896, during which year it was, at most of the hospitals, applied to every suitable case. The following table shows the striking decrease in the mortality in the two age-periods in which children appear to be most susceptible to the disease:—

Rates of Mortality amongst Diphtheria cases treated in the Board's Hospitals during each of the years 1893 and 1896.

AGES.	Mortality per cent. in 1893.	Mortality per cent. in 1896.	Difference in rate of Mortality.
Under 5 years	50·8	30·3	20·5
5 to 10 ,,	28·7	18·7	10·0

To a small extent, no doubt, this reduction in the death rate is attributable to the adoption of the bacteriological method of diagnosis, which has resulted in the inclusion of certain mild cases which would not have been regarded as diphtheria on clinical evidence alone. But, even after making allowance for these cases, the result of the use of the new remedy can only be regarded as most satisfactory.

The exceptional mortality at the North-Eastern Hospital, where three cases only were admitted, needs no comment.

The joint report of the medical superintendents of the Board's fever hospitals on the antitoxin treatment of diphtheria during the year 1896 will be found at p. 177.

The following table is compiled from the Summary Tables in this and the previous Annual Reports since 1888, in which year diphtheria cases were first admitted to the Managers' hospitals:—

DIPHThERIA.—TABLE C—*Showing Mortality at various ages of 19,741 cases admitted into the Board's Hospitals in the years 1888 to 1896.*

AGES.	MALES.			FEMALES.			TOTAL.		
	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Combined Mortality per cent.
Under 1 ...	183	100	54·6	153	86	56·2	336	186	55·4
1 to 2 ...	613	344	56·1	564	317	56·2	1,177	661	56·2
2 „ 3 ...	844	394	46·7	828	364	44·0	1,672	758	45·3
3 „ 4 ...	1,131	461	40·8	1,131	425	37·6	2,262	886	39·2
4 „ 5 ...	1,113	362	32·5	1,284	444	34·6	2,397	806	33·6
Total under 5	3,884	1,661	42·8	3,960	1,636	41·3	7,844	3,297	42·0
5 to 10 ...	3,089	696	22·5	3,647	925	25·4	6,736	1,621	24·1
10 „ 15 ...	955	91	9·5	1,317	130	9·9	2,272	221	9·7
15 „ 20 ...	397	23	5·8	672	31	4·6	1,069	54	5·1
20 „ 25 ...	247	10	4·0	470	18	3·8	717	28	3·9
25 „ 30 ...	159	10	6·3	336	12	3·6	495	22	4·4
30 „ 35 ...	96	2	2·1	184	7	3·8	280	9	3·2
35 „ 40 ...	54	3	5·6	96	2	2·1	150	5	3·3
40 „ 45 ...	31	3	} 16·9 }	46	5	} 15·0 }	77	8	} 15·7 }
45 „ 50 ...	17	1		30	4		47	5	
50 „ 55 ...	14	4		11	2		25	6	
55 „ 60 ...	6	2	11	1	17	3			
And upwards	3	2	9	4	12	6			
Totals ...	8,952	2,508	28·0	10,789	2,777	25·7	19,741	5,285	26·8

N.B.—The above table includes deaths within 48 hours after admission, as well as deaths from intercurrent maladies.

Diphtheria, like scarlet fever, is most fatal to infant children. The maximum mortality occurs in the second year of life, when it reaches the high percentage of 56·2, subsequently falling with every additional year of life to the minimum of 3·2 per cent. amongst persons between 30 and 35 years of age.

The mortality per cent. of females is less than that of males by 2·3.

Statistics of Enteric Fever. *Summary Table VI. (p. 78)* shows the admissions and deaths at various ages of enteric cases during the year.

The following table is compiled from the Summary Tables in this and previous Annual Reports:—

ENTERIC FEVER.—TABLE D—*Showing Mortality at various ages of 10,484 cases admitted into the Board's Hospitals in the years 1871 to 1896.*

AGES.	MALES.			FEMALES.			TOTAL.		
	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Combined Mortality per cent.
Under 5 ...	178	22	12·4	148	21	14·2	326	43	13·2
5 to 10 ...	704	65	9·2	672	58	8·6	1,376	123	8·9
10 ,, 15 ...	1,293	137	10·6	1,092	177	16·2	2,385	314	13·2
15 ,, 20 ...	1,206	178	14·8	1,093	222	20·3	2,299	400	17·4
20 ,, 25 ...	806	173	21·5	759	146	19·2	1,565	319	20·4
25 ,, 30 ...	599	145	24·2	496	99	20·0	1,095	244	22·3
30 ,, 35 ...	350	98	28·0	307	61	19·9	657	159	24·2
35 ,, 40 ...	176	53	30·1	199	49	24·6	375	102	27·2
40 ,, 45 ...	107	28	26·2	98	23	23·5	205	51	24·9
45 ,, 50 ...	54	24	44·4	65	16	24·6	119	40	33·6
50 ,, 55 ...	24	10	45·2	27	5	25·0	51	15	35·4
55 ,, 60 ...	10	6		8	4		18	10	
And upwards	8	3		5	1		13	4	
Totals ...	5,515	942	17·1	4,969	882	17·7	10,484	1,824	17·4

N.B.—(1) The above table includes deaths within 48 hours after admission, as well as deaths from intercurrent maladies.

(2) The total number does not correspond with Table F, p. 25, because there are excluded from it a number of patients who were admitted into hospitals which also received convalescent patients from other hospitals, and in taking the ages of patients for the purposes of this return, it was impossible from the returns in the possession of the Committee to identify the two classes.

The number of cases of enteric fever under five years of age is comparatively small.

The lowest death rate is amongst patients between 5 and 10 years of age; it then increases with each quinquennium, until it attains a percentage of 33·6 amongst patients between 45 and 50 years of age and of 35·4 amongst the patients of ages from 50 to 60 and upwards.

The male sex is evidently more liable to attack by this disease; but the female mortality per cent. is greater by 0·6. There are striking variations in the relative mortality in the sexes at different age-periods. Between the ages of 10 and 20 the death rate is much greater amongst females, but the case is entirely reversed in all later age-periods.

Statistics of Typhus Fever. *Table VII. (p. 79)* shows the admissions and deaths at various ages of typhus fever cases at the South-Western and South-Eastern Hospitals, the only institutions at which this disease was treated during the past year.

The following table is compiled from the Summary Tables in this and former Annual Reports:—

TYPHUS FEVER.—TABLE E—*Showing Mortality at various ages of 2,178 cases admitted into the Board's Hospitals in the years 1871 to 1896.*

AGES.	MALES.			FEMALES.			TOTAL.		
	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Mortality per cent.	Cases Admitted.	Died.	Combined Mortality per cent.
Under 5 ...	40	1	2.5	48	1	2.1	88	2	2.3
5 to 10 ...	108	1	0.9	139	—	—	247	1	0.4
10 „ 15 ...	171	5	2.9	207	11	5.3	378	16	4.2
15 „ 20 ...	165	10	6.1	198	18	9.1	363	28	7.7
20 „ 25 ...	124	28	22.6	124	22	17.7	248	50	20.2
25 „ 30 ...	77	21	27.3	83	15	18.1	160	36	22.5
30 „ 35 ..	76	25	32.9	85	22	25.9	161	47	29.2
35 „ 40 ...	57	26	45.6	76	21	27.6	133	47	35.3
40 „ 45 ...	75	46	61.3	95	35	36.8	170	81	47.6
45 „ 50 ...	43	21	48.8	55	21	38.2	98	42	42.9
50 „ 55 ...	23	16	69.6	38	21	55.3	61	37	60.7
55 „ 60 ...	14	9	64.3	18	15	83.3	32	24	75.0
And upwards	17	13	76.5	22	15	68.2	39	28	71.8
Totals ...	990	222	22.4	1,188	217	18.3	2,178	439	20.2

X.B.—(1) The above table includes deaths within 48 hours after admission, as well as deaths from intercurrent maladies.

(2) The total number does not correspond with Table F, p. 25, for similar reasons to those given in note 2 to Table B, p. 22.

Young children appear to be less liable to attack by typhus fever than adolescents or adults. At all ages more females than males have been admitted. The death rate of females per cent. is less by 4.1 than that of males. The mortality in both sexes is greatly influenced by age. Up to the twentieth year the rate does not exceed 7.7 per cent.; but in the quinquennium 20 to 25 it suddenly rises to 20.2 per cent., and thenceforward rapidly increases with advancing age, up to the age of 60 years.

Statistics of Mistakes in Diagnosis. *Summary Table VIII.* (pp. 81–87) shows the total admissions during the year of patients having other diseases than those set forth on the medical admission certificates. The form of the table is so arranged as to show not only the diseases from which the patients actually suffered, but also the diseases from which they were stated to be suffering by the certificate under which they were removed to hospital.

The percentage of these cases of mistaken diagnosis was, as regards scarlet fever cases, 2.2; diphtheria cases, 11.1; and enteric cases, 28.7.

Amongst the 356 cases certified as scarlet fever, there were 74 of measles, 58 of tonsillitis, and 81 had no obvious disease. Amongst the 562 cases certified as diphtheria were 33 of measles and 447 of tonsillitis.

Amongst the 242 cases certified as enteric fever were 12 of bronchitis and 47 of lobar pneumonia.

**Fever and
Diphtheria
Statistics
since Estab-
lishment
of the
Managers'
Hospitals.**

(5.) The return on p. 25 shows the annual admissions and deaths of patients at the Managers' fever hospitals, with the mortality per cent. since the establishment of the first hospital in 1870, together with extracts from the Registrar-General's annual summaries showing the annual mortality per 1,000 persons living of the population of the Metropolis from scarlet, typhus, and enteric fevers and diphtheria.

The decreasing percentage of the mortality amongst scarlet fever patients treated in the Managers' hospitals continues to be a noticeable feature.

Attention is also drawn to the decline in the percentage mortality amongst diphtheria patients from 40·74 in 1889 to 29·29 in 1894 and 22·85 in 1895 (when the antitoxic serum treatment was first adopted) and 21·2 in 1896.

**Hospital
Accommo-
dation for
Smallpox.**

(6.) In our report for 1895 we stated that the Managers had approved of plans for the erection, on the Joyce Green estate, near Dartford, of a two-storey brick hospital for the accommodation of 880 cases in ordinary wards and of 72 cases in special isolation buildings. Subsequently the isolation accommodation was reduced to 60 cases.

These plans were in due course submitted to the Local Government Board for approval. That Board, however, after considerable correspondence with the Managers, declined to sanction the erection of a complete hospital for so large a number of patients as 940, and expressed the opinion that the provision of permanent accommodation on the site should at present be limited to the erection of pavilions to accommodate 400 patients only. The Board also stated that—

in the event of any outbreak of smallpox which could not be provided for by the hospital ships, the existing buildings, and the proposed additional accommodation, further accommodation of a temporary character should be provided, and with this view the Board would be willing to assent to the execution of such works as regards roads, sewers, water supply, and other matters as may be necessary to facilitate the provision of such accommodation, if necessity should arise.

The Board further stated that—

the arrangements as regards the administrative block may include provision for additional staff in the case of such an emergency as that which it is intended should be provided for by the temporary accommodation.

The Managers have now given instructions for the preparation of plans in accordance with the Board's decision.

In the event of these plans being finally approved and carried out, the accommodation for smallpox patients will be as follows :—

Hospital ships	...	...	...	...	300 beds.
Gore Farm upper hospital (for convalescent patients)	...	...	...	...	1,000 „
Gore Farm lower hospital (for infirmary cases), wooden structures	...	...	...	...	192 „
New hospital at Joyce Green	...	...	...	...	400 „
					<hr/>
					1,892 „

Gore Farm, as the Managers know, is at present urgently required for scarlet fever convalescents. This leaves only 700 beds practically available for smallpox. Whether, having regard to the extreme rapidity with which smallpox spreads, this is such a provision as prudence would dictate, we do not venture to say. But we think it right to place on record the fact

that the entire responsibility for the reduction of the accommodation at Joyce Green from 940 to 400 beds rests not upon the Managers, but upon the Local Government Board. Moreover, it must not be forgotten that the Board sanctioned the purchase of the Joyce Green estate upon condition—

that when the site is utilised for hospital purposes, smallpox cases from the Dartford urban and rural districts and the Dartford Union workhouse shall be admitted into the hospital.

The population of these districts at the census of 1891 was 44,683, and is rapidly increasing.

Smallpox Statistics. (7.) Table I. on p. 93 shows the number of smallpox patients admitted from each parish or union during each month of the year 1896, and the total admissions for the year. It also shows the total deaths and discharges, and the number remaining under treatment at the beginning and end of the year.

The total number of smallpox cases admitted was 190, which, together with 70 remaining at the beginning of the year, made a total of 260 treated during the year. Of this number nine died, 250 were discharged, and one remained under treatment at the end of the year. But, in addition to these numbers, there were of non-smallpox cases six admitted to the hospital ships, 35 detained at the observation shelters at South Wharf (one of whom died there), and 39 returned direct to their homes.

Full information as to the cases admitted to the hospital ships will be found in the report of the Medical Superintendent, Dr. Ricketts, on pp. 90-2, and as to the cases detained at the South Wharf shelters in the report of the Medical Officer of the River Service, Dr. Brooke, on pp. 88-90.

Amongst the admissions at the hospital ships were four infants not suffering from smallpox at the time of admission who were admitted with their mothers; and of these three subsequently developed the disease. In each case the disease was in process of incubation when the patient was admitted.

Table II.—On pp. 96-107 are tables which supply detailed particulars concerning the vaccination of the smallpox patients admitted.

In Table IIc. (which is a continuation of Tables IIa. and IIb.) it will be seen that vaccination cicatrices were present in 116 cases, of whom one died. In 10 cases there was "no evidence" as to cicatrices—(these were either cases said to have been vaccinated, but bearing no visible evidence of the operation, or else cases in which no statement was made, and the eruption or other cause prevented the observation of any marks)—none of these died; in 64 cases vaccination cicatrices were absent, eight of these died.

Smallpox Statistics since the Establishment of the Managers' Hospitals. (8.) The following table shows the admissions and deaths of patients in the Managers' smallpox hospitals during each year since the opening of the first hospital at the end of 1870.

TABLE G—Showing the Admissions and Deaths of Patients and Mortality per cent. at the Managers' SMALLPOX HOSPITALS during each year since the opening of the first Hospital on December 1st, 1870, together with the Annual Mortality per 1,000 persons living of the Population of the Metropolis from Smallpox, extracted from the Registrar-General's Annual Summaries.

YEAR.	ADMISSIONS.			DEATHS.			Mortality per cent. of Patients treated in Managers' Hospitals.	Annual Mortality per 1,000 of estimated Population.
	Smallpox.	Other Diseases.	Total.	Smallpox.	Other Diseases.	Total.	Smallpox.	Smallpox.
Dec. 1st, 1870, to Feb. 3rd, 1871...	582	...	582	97	...	97	20·81	...
1871-2 (Feb. 4th, 1871, to Jan. 31st, 1872) ...	13,139	6	13,145	2,460	...	2,460	18·95	2·42
1872-3 (year ended Jan. 31st, 1873)	2,359	3	2,362	467	1	468	17·84	0·54
1873-4 (year ended Jan. 31st, 1874)	174	17	191	35	..	35	17·02	0·03
1874 (11 months ended Dec. 31st)	112	8	120	10	...	10		0·02
1875	89	22	111	22	...	22		0·01
1876	2,134	16	2,150	372	1	373	21·64	0·21
1877	6,516	104	6,620	1,214	4	1,218	17·92	0·71
1878	4,558	96	4,654	824	9	833	17·99	0·39
1879	1,628	60	1,688	273	5	278	15·69	0·12
1880	1,982	50	2,032	286	2	288	15·95	0·12
1881	8,551	120	8,671	1,417	14	1,431	16·61	0·62
1882	1,799	55	1,854	260	3	263	12·96	0·11
1883	598	28	626	93	...	93	16·06	0·03
1884	6,363	204	6,567	940	3	943	15·98	0·31
1885	6,146	198	6,344	1,052	3	1,055	15·80	0·35
1886	99	33	132	22	2	24	14·28	0·01
1887	56	3	59	3	...	3		0·00
1888	62	5	67	8	...	8		0·00
1889	5	...	5	..	...	...		...
1890	22	5	27	3	...	3		0·00
1891	63	1	64	8	...	8		0·00
1892	325	23	348	35	...	35		11·29	0·01
1893	2,376	118	2,494	180	2	182	7·64	0·05
1894	1,117	120	1,237	102	7	109	8·87	0·02
1895	941	81	1,022	64	1	65	6·36	0·01
1896	190	41	231	9	1	10	4·01	0·00
Totals	61,986	*1,417	63,403	10,256	58	10,314	16·54	...

* Includes some patients who were detained for observation at South Wharf.

The following table is founded on the returns of the Registrar-General, and will be of interest to the Managers in relation to the history of smallpox in the Metropolis:—

YEARS.	Estimated Population in the Middle of each Year.	DEATHS FROM SMALLPOX.		
		Annual Total.	Annual Rate per Million of Population.	Rate per Million on Averages of Five Years.
1838	1,766,169	3,817	2,161	—
1839	1,802,751	634	352	—
1840	1,840,091	1,235	671	—
1841	1,878,205	1,053	561	—
1842	1,917,108	360	188	787
1843	1,954,041	438	224	399
1844	2,033,816	1,804	887	506
1845	2,073,298	909	438	460
1846	2,113,535	257	122	372
1847	2,202,673	955	434	421
1848	2,244,837	1,620	722	521
1849	2,287,302	521	228	389
1850	2,330,054	499	214	344
1851	2,373,081	1,062	448	409
1852	2,416,367	1,159	480	418
1853	2,459,899	211	86	291
1854	2,503,662	694	277	301
1855	2,547,639	1,039	408	340
1856	2,591,815	531	205	291
1857	2,636,174	156	59	207
1858	2,680,700	242	90	208
1859	2,725,374	1,158	425	237
1860	2,770,181	898	324	221
1861	2,815,101	217	77	195
1862	2,860,117	366	128	209
1863	2,905,210	1,996	687	328
1864	2,950,361	547	185	280
1865	2,995,551	640	214	258
1866	3,040,761	1,391	457	334
1867	3,085,971	1,345	436	396
1868	3,131,160	597	191	297
1869	3,176,308	275	87	277
1870	3,221,394	973	302	295
1871	3,267,251	7,912	2,421	688
1872	3,319,736	1,786	537	708
1873	3,373,065	113	33	676
1874	3,427,250	57	16	661
1875	3,482,306	46	12	602
1876	3,538,246	736	207	161
1877	3,595,085	2,551	709	194
1878	3,652,837	1,417	387	266
1879	3,711,517	450	120	287
1880	3,771,139	471	124	309
1881	3,824,964	2,367	617	391
1882	3,862,876	430	110	271
1883	3,901,164	136	34	201
1884	3,939,832	1,236	307	238
1885	3,978,883	1,419	347	283
1886	4,018,321	24	5	160
1887	4,058,150	9	2	139
1888	4,098,374	9	2	132
1889	4,138,996	—	—	71
1890	4,180,021	4	1	2
1891	4,221,452	8	2	1.4
1892	4,263,294	41	10	3
1893	4,306,411	206	48	12
1894	4,349,166	89	22	16
1895	4,392,346	55	13	19
1896	4,421,955	9	2	19

**Cases of
Mistaken
Diagnosis.**

(9.) *Fever*.—In the course of the year 1896 no fewer than 1,174 patients, or a percentage on the total admissions of 5·3, were, after admission at the fever hospitals, found not to be suffering from the diseases mentioned in the medical certificates upon which they were removed to hospital. The largest number of cases thus admitted to any one hospital was, as in previous years, at the Eastern Hospital, where the proportion was 253 out of 3,174 admissions, or 7·9 per cent. of the total.

In this connection we would further refer to Summary Table VIII., on pp. 80-7, and our comments on it on p. 23.

Smallpox.—Of the patients admitted to the smallpox hospital ships, six were not suffering from smallpox at the time of admission, but in three cases the disease was in process of incubation. Out of the six, four were infants admitted with their mothers; a fifth case was a woman who had probably passed through an exceedingly mild attack of smallpox, but there was no evidence of the presence of the disease at the time of admission; and the sixth was a man admitted from Erith, in whose case an attack of measles simulated smallpox. Particulars of these cases are given in the report of the Medical Superintendent, on p. 90.

From these figures it appears that the number of patients admitted to the smallpox ships through mistaken diagnosis was only 3·1 per cent., or, if the three cases in which the disease was in the incubative stage be omitted, only 1·5.

It must be remembered, however, that in the case of smallpox the original medical certificate is checked by the examination of a medical officer of the Board at the London wharves, except in the case of local patients from Erith and Dartford. If therefore we take the total number of cases originally certified in London as smallpox and removed to the wharves, we find that the mistaken diagnoses numbered 76 out of 265,* or 28·7 per cent.; and these are the figures properly to be compared with those given above in the case of fever.

**Staff Illness
in the Fever
and
Smallpox
Hospitals.**

(10.) On pp. 31-34 is a summary of the returns submitted by the medical superintendents of the several hospitals, showing the total number of members of the staff who were off duty during the year on account of illness.

There were 3,542 persons employed at the fever hospitals during the course of the year (including those employed at the Gore Farm Hospital),

* The five cases referred to in the footnote to p. 89 are not included in these figures.

ANNUAL REPORT, STATISTICAL COMMITTEE, 1896.
TABLE II.—Staff Illness in Infectious Hospitals during the year 1896.

NATURE OF DISEASE.	OFFICERS.	Eastern Hospital.		North-Eastern Hospital.		North-Western Hospital.		Western Hospital.		South-Western Hospital.		Fountain Hospital.		South-Eastern Hospital.		Brook Hospital.		Northern Hospital.		Gore Farm Hospital.		SCURRY (Tower Hospital).		Hospital Ships (Small pox).		RESULTS.			
		Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.	Number of Officers.	Number of days wasted.				
Scarlet Fever	Asst. Medical Officers	...	...	1	34	...	...	...	...	...	...	1	50	1	50	...	...	...	...	...	...	3	134	...	...	One remained warded at N.E.H.; others recovered.		
	Chaplain	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	10	...	...	Recovered.		
	Steward's Clerk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	56	...	...	Recovered.		
	Charge Nurses	1	33	...	...	130	3	108	1	51	...	...	1	46	1	75	...	...	...	...	...	10	433	...	...	Recovered.		
	Assistant Nurses	4	190	2	117	125	6	434	2	44	...	...	3	180	2	149	7	465	8	563	4	215	40	2,423	...	...	Two remained warded at S.W.H.; others recovered.	
	Wardmaids	1	68	3	192	1	41	1	69	...	...	...	...	3	153	3	152	4	374	2	136	2	99	29	1,184	...	...	One remained warded at S.E.H.; others recovered.
	Laundrymaids	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	146	...	...	...	One remained warded at F.H.; others recovered.	
	Needlewoman	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	76	...	...	...	Recovered.	
	Porters	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	117	...	...	...	Recovered.	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	174	...	...	...	Recovered.	
Diphtheria	Asst. Medical Officer	...	...	...	...	...	...	...	...	...	...	...	...	1	59	...	...	...	...	...	...	1	59	...	...	Recovered.		
	Charge Nurses	...	...	...	...	3	79	...	...	...	...	1	28	2	94	1	45	...	...	...	1	47	8	303	...	...	One died at N.W.H.; others recovered.	
	Assistant Nurses	4	221	1	61	2	26	6	187	2	74	...	...	5	232	207	2	105	5	154	13	436	45	1,781	...	...	One remained warded at S.E.H.; others recovered.	
	Wardmaids	...	...	...	...	...	...	...	...	...	...	...	...	6	211	1	15	2	98	4	239	6	256	19	819	...	...	One remained warded at S.E.H.; others recovered.
	Housemaid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	28	...	...	...	...	1	38	...	...	...	Recovered.	
	Laundrymaid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	77	...	...	...	...	3	167	...	...	...	Recovered.	
	Needlewoman	...	...	1	83	...	...	...	...	...	...	...	...	...	...	1	38	1	46	...	...	3	167	...	...	...	Recovered.	
	Porter	...	...	1	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	31	...	...	...	Recovered.	
	Ambulance Driver	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	48	...	...	...	...	...	1	48	...	...	...	Recovered.
	General Labourer	...	...	...	...	...	...	...	...	...	...	...	...	...	1	29	...	...	...	...	...	1	29	...	...	...	...	Recovered.
Scarlet Fever and Diphtheria	Assistant Nurse	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	75	...	...	...	Recovered.	
	Wardmaid	...	...	...	...	...	...	...	...	...	...	...	...	1	73	...	...	...	...	...	...	1	73	...	...	...	Recovered.	
	Messroom-man	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	47	...	...	...	...	1	47	...	...	...	Recovered.	
Enteric Fever	Charge Nurses	...	...	...	...	...	...	...	...	...	...	...	...	1	63	1	75	...	...	...	...	2	128	...	...	...	One remained warded at S.E.H.; others recovered.	
	Assistant Nurses	1	10	...	...	2	125	1	34	...	...	...	...	3	86	...	...	...	...	...	...	7	355	...	...	...	One died at E.H.; one at S.W.H.; others recovered.	
	Housemaid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	67	...	...	...	Recovered.	
Scarlet and Enteric Fever	Assistant Engineer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	83	...	...	...	Recovered.	
	Assistant Nurse	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	70	...	...	...	Recovered.	
Other Diseases	Asst. Medical Officers	13	610	8	487	13	526	17	832	5	169	20	924	26	1,218	22	1,366	24	1,339	28	1,296	176	8,704	1	83	...	...	Recovered.
	Steward	...	...	1	51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	12	...	...	...	Recovered.	
	Steward's Clerk	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	...	...	...	...	...	1	21	2	5	...	...	Recovered.
	Housekeeper	...	...	1	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	11	...	...	...	Recovered.
	Night Superintendent	...	...	...	...	1	7	...	...	...	...	...	...	1	14	...	...	...	...	...	...	...	2	21	...	...	...	Recovered.
	Charge Nurses	21	1,638	16	1,559	6	142	8	178	4	37	11	110	6	95	5	61	2	58	12	84	91	1,982	1	13	...	...	One remained warded at S.W.H.; others recovered.
	Assistant Nurses	65	472	47	564	9	117	20	397	16	189	48	422	19	315	24	341	8	143	41	415	297	3,373	22	167	...	...	Two improved at N.E.H.; one died at S.W.H.; two remained warded at S.W.H.; two left the service at F.H.; one died at G.F.H.; others recovered.
	Wardmaids	26	170	40	534	4	28	15	238	16	169	17	130	12	102	24	326	13	114	35	297	202	2,108	11	116	...	...	Two improved at N.E.H.; one died at N.H.; others recovered. [recovered.]
	Housemaids	1	45	3	65	...	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	5	158	2	38	...	...	Recovered.
	Laundress	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	10	...	...	...	...	Recovered.
	Laundrymaids	1	104	9	98	1	8	1	24	3	17	4	91	2	65	1	24	...	22	431	2	27	Recovered.
	Kitchenmaids	9	72	1	9	1	14	11	95	1	17	One improved at N.E.H.; others recovered.
	Needlewoman	1	4	3	26	2	37	1	10	9	87	2	16	One died at S.W.H.; others recovered.
	Cooks	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	20	...	...	...	Recovered.
	Ambulance Drivers	6	108	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	127	...	...	...	Recovered.
	Porters	3	21	4	85	...	...	3	39	4	105	2	8	4	141	...	...	...	...	...	...	9	135	29	325	...	...	One died at S.E.H.; others recovered.
	Engineers	1	4	1	39	1	5	3	48	1	28	Recovered.
	Stokers	5	16	5	25	1	4	Recovered.
	Gardener	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	...	Recovered.
	Carpenter	...	...	1	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	9	...	...	...	Recovered.
Kitchen Porter	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	27	...	...	...	Recovered.	
Messroom-maid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	53	...	...	...	Recovered.
Boatman	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6	...	...	...	Recovered.
Ironer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	...	Recovered.
TOTALS	...	136	1,693	148	2,181	36	870	66	1,713	51	761	103	1,624	74	1,995	81	2,190	51	1,742	127	2,196	873	16,965	50	576	...	...
Number employed	(Males	...	52	...	49	...	34	...	49	...	27	...	50	...	55	...	39	...	61	...	104	...	523	...	26	...	...
	(Females	...	305	...	299	...	307	...	303	...	212	...	255	...	302	...	339	...	292	...	402	...	3,019	...	164	...	...
	TOTALS	...	357	...	348	...	349	...	352	...	261	...	282	...	352	...	394	...	353	...	506	...	3,542	...	190	...	...
Number engaged during the year	(Males	...	19	...	15	...	13	...	10	...	15	...	8	...	18	...	55	...	15	...	55	...	209	...	6	...	...
	(Females	...	142	...	129	...	133	...	137	...	76	...	90	...	123	...	239	...	112	...	316	...	1,588	...	25	...	...
	TOTALS	...	161	...	144	...	146	...	147	...	91	...	93	...	141	...	394	...	127	...	371	...	1,797	...	31	...	...
Number that left during the year	(Males	...	9	...	15	...	9																						

	<p>DESCRIPTION</p>	<p>AMOUNT PAID</p>
	<p>1890</p>	
	<p>Jan 1</p>	
	<p>Feb 1</p>	
	<p>Mar 1</p>	
	<p>Apr 1</p>	
	<p>May 1</p>	
	<p>Jun 1</p>	
	<p>Jul 1</p>	
	<p>Aug 1</p>	
	<p>Sep 1</p>	
	<p>Oct 1</p>	

of whom 176, or 5·0 per cent., fell ill with fever or diphtheria, and three died; while 697, or 19·7 per cent., suffered from other forms of illness.

The table also shows that 220 persons were employed on the hospital ships during the year, none of whom suffered from smallpox, but 50, or 22·7 per cent., suffered from other diseases.

In our report for the year 1892 we pointed out that nurses and other members of a hospital staff could be brought with almost absolute impunity into contact with smallpox, provided they were properly protected by vaccination; and the evidence of each succeeding year has confirmed us in that opinion.

In striking contrast to the immunity from smallpox enjoyed by the vaccinated staff of a smallpox hospital is the susceptibility to fever and diphtheria of the staff of a fever hospital whom it is unfortunately impossible to protect in a similar manner. In illustration of this we draw attention to the following paragraph in the report of the Medical Superintendent of the Brook Hospital, p. 61:—

The total number of male and female subordinate officers employed (appointed) during the year was 394; the number who left was 92.

Sixteen contracted scarlet fever (one charge nurse, seven assistant nurses, four wardmaids, one laundrymaid, one needlewoman, and two general porters); six contracted diphtheria (one charge nurse, two assistant nurses, two wardmaids, and one general porter); one contracted enteric fever (charge nurse). All these recovered.

The minor ailments were 60 in number, including tonsillitis (34 cases), anæmia, rheumatism, parotitis, &c., &c.

Having regard to the fact that practically the whole of the subordinate officers were new to infectious work, the proportion of those who contracted infectious diseases was not more than was to be anticipated.

**Proportion
of Staff to
Patients.**

We submit a table showing the average daily number of patients under treatment at the several hospitals and the average daily number of staff employed during 1896, and the respective proportions of nursing staff and total staff to patients.

At the hospitals for acute cases the proportion varied from one nurse to 3·1 patients at the Western Hospital to one nurse to 4·6 patients at the North-Western Hospital, and the total staff at the former hospital was as one to 1·6 patients and at the latter hospital as one to 1·9.

At the Northern Convalescent Hospital one nurse sufficed for 9·9 patients—the total staff being as one to 3·7; whereas, at the Gore Farm Hospital the proportion was one nurse to 6·0 patients, and the total staff as one to 2·3 patients.

TABLE I.—Return showing the Average Daily Number of Patients under treatment and the Average Daily Number of Staff employed at each of the Board's Fever Hospitals during the year 1896, and the respective proportions of Nursing Staff and total Staff to Patients.

HOSPITAL.	Average daily number of Patients.	Average daily number of Staff employed.				Proportion of Nursing Staff to Patients.		Proportion of Total Staff to Patients.	
		Medical.	Nursing.	Other Subordinate Staff.	Total Staff.	Staff.	Patients.	Staff.	Patients.
Eastern Hospital	366	4	97	112	213	1	3·8	1	1·7
North-Eastern Hospital ...	397	5	100	116	221	1	4·0	1	1·8
North-Western ,,	343	4	75	99	178	1	4·6	1	1·9
Western ,,	339	4	108	106	218	1	3·1	1	1·6
South-Western ,,	296	4	73	115	192	1	4·1	1	1·5
Fountain ,,	378	4	94	95	193	1	4·0	1	1·2
South-Eastern ,,	381	5	100	112	212	1	3·8	1	1·8
Brook ,,		Not opened until the end of August, 1896.							
Convalescent Hospitals:—									
Northern Hospital	888	3	90	149	242	1	9·9	1	3·7
Gore Farm ,,	547	4	91	142	237	1	6·0	1	2·3

ii. IMBECILITY.

Accommodation for Imbeciles.

(1.) At the present time the Managers possess the following accommodation for imbecile patients:—

	Males.	Females.	Total.
ADULTS—			
Leavesden Asylum	900	1,100	2,000
Caterham ,,	945	1,100	2,045
Darenth ,,	450	602	1,052
	2,295	2,802	5,097
CHILDREN—			
Darenth Schools and Pavilions*	—	—	1,000
			6,097

* The pavilions accommodate a number of patients over 16 years of age who have been transferred thereto from the schools.

This accommodation is no longer sufficient for the requirements of the Metropolis. The Managers have therefore purchased a site at Tooting Bec on which they propose to erect an asylum infirmary for helpless, feeble, and very aged patients, and the plans of buildings to accommodate 750 are now before the Local Government Board.

**Imbecility
Statistics,
1896.**

(2.) The reports of the medical superintendents of the asylums for adult imbeciles and of the schools for imbecile children will be found on pp. 108-114 and 143-4.

The annual figures for the combined imbecile establishments are as under:—

	Asylums.			Schools.			Grand Totals.		
	Males.	Females	Total.	Males.	Females	Total.	Males.	Females	Total.
On January 1st, 1896, the several Asylums and Schools contained ...	2,277	2,764	5,041	630	360	990	2,907	3,124	6,031
There were admitted during the year from the several Parishes and Unions (including re-admissions)	223	161	384	83	57	140	306	218	524
Transferred	28	29	57	—	—	—	28	29	57
The total number under treatment being ...	2,528	2,954	5,482	713	417	1,130	3,241	3,371	6,612
Of that number there were									
Discharged... ..	65	36	101	27	22	49	92	58	150
Transferred	1	—	1	27	29	56	28	29	57
And there died	196	166	362	25	12	37	221	178	399
Leaving under treatment on December 31st, 1896 ...	2,206	2,752	5,018	634	354	988	2,900	3,106	6,006

The total number remaining under treatment in the asylums and schools at the end of 1896 showed an decrease of 25 as compared with the number at the end of 1895.

Adult Imbeciles.—*Summary Table I.* (p. 116) shows the total admissions, re-admissions, discharges, and deaths for the year at the three asylums for adults.

Of the total admissions, 378 were admitted for the first time, six were re-admissions, and 57 were patients transferred from the imbecile schools.

Of the total number of patients discharged, 17 had recovered, 27 had improved, and 54 had not improved. There was one patient transferred from Leavesden to Caterham Asylum.

The total number of patients who died was 362, as compared with 416 in 1895.

The average number resident in the three asylums was 5,033; the highest number resident on any one day was 5,055; and the lowest number was 4,999.

Summary Table II. (p. 116) shows the admissions, re-admissions, discharges, transfers, and deaths which have taken place at the three asylums since the opening of the first in September, 1870, up to the end of 1896. The total admissions during this period of over 26 years were 18,866, of whom 17,102 were admitted for the first time, 142 were

readmissions, and 1,622 were transfers from one asylum to another. This latter number does not balance with the transfers shown amongst the discharges, as it includes a number of patients received from Hampstead Asylum when it was closed in 1876, as well as a number of children over 16 years of age received from the imbecile schools. Of the discharges, 22 were not certified, 18 were not insane, 800 had recovered, 1,030 had improved, 1,100 had not improved, and 370 were transfers from one asylum to another. The deaths numbered 10,508.

Summary Table III. (p. 117) shows the admissions, discharges, transfers, and deaths, with the mean annual mortality and proportion of recoveries per cent. of the admissions, for the year 1887, and for each subsequent year.

The total percentage of recoveries during the past year was 3·8, and the percentage of deaths on the average number daily resident was 7·1.

Summary Tables IV. (p. 119) and V. (p. 120) give the classification, under the usual denominations of mental disease, of the mental condition of the patients admitted during the year 1896, and also of the patients resident in the several asylums on the last day of that year.

Of the total number of 5,018 then resident, 1,363 are classified as suffering from imbecility, 1,231 from dementia, 630 from dementia and epilepsy, 443 from imbecility and epilepsy, 282 from chronic mania, 263 from idiocy, 227 from senile dementia, and 164 from melancholia.

Summary Table VI. (p. 122).—This table is intended to show the causation of the insanity of the patients admitted during the year, and is introduced this year for the first time. The information it affords has not been obtained entirely from the formal certificates of admission, but has been supplemented and corrected by information elicited from the relatives or friends when visiting the patients.

Summary Table VII. (pp. 128-130) shows the causes of death during the year 1896, together with the ages of the decedents, calculated from the ages stated in the orders of admission.

There were 362 deaths during the year, 40 having been caused by dementia and exhaustion, 47 by morbus cordis, 34 by pulmonary tuberculosis, 23 by general tuberculosis, and 32 by senile decay.

Summary Table VIII. (pp. 133-4) shows the history of the annual admissions since the opening of the asylums, with the discharges and deaths, and the numbers of each year's admissions remaining on December 31st, 1896.

Of the 441 patients admitted during the year 1896, five had at the close of the year been discharged as recovered, seven as improved, and ten as not improved, and 35 had died.

Of the 5,018 patients remaining under treatment, 1,436 had been resident in the asylums over ten years.

Summary Table IX. (p. 136) shows the length of residence of those discharged as recovered and of those who have died during the year 1896.

Of the 362 deaths, 63 were of patients who had been resident upwards of 18 years.

Summary Table X. (pp. 135-6) shows the age of patients resident in the several asylums on December 31st, 1887, and on the same day in each subsequent year, calculated from the ages stated on the orders of admission.

Of the 5,018 patients remaining in the several asylums on December 31st, 1896, 1,756 were over 50 years of age, two being over 90 years.

Summary Table XI. (p. 138) shows the ages of the patients admitted, discharged, and dying during the year 1896, calculated from the ages stated on the orders of admission.

Of the 384 patients admitted direct from the parishes and unions, 142 were between 15 and 30 years of age.

The total discharges numbered 102.

The total deaths numbered 362, of whom 257 were upwards of 40 years of age, and 71 upwards of 70 years.

Summary Table XII. (pp. 139-40) shows the departments where patients were employed on December 31st, 1896. Out of a total of 2,266 males, 871, and out of 2,752 females, 877 were usefully employed in and about the asylums.

Summary Table XIII. (pp. 141-2) shows the occupations previous to admission, and condition as to marriage, of the patients admitted during the year 1896.

Of the 251 males admitted, 61 were described as labourers, 75 had no settled occupation, and of 33 the occupation was unknown; 152 were stated to be single, 48 married, 28 widowers, and as regards 23 the condition as to marriage was unknown.

Of the 190 females, 31 were servants, 13 charwomen, 87 were without settled occupations, and of 25 the occupation was unknown; 121 were stated to be single, 15 to be married, 39 widows, and in 15 cases the condition as to marriage was unknown.

Imbecile Children.—The whole of the children and older patients under treatment at the Darenth Schools and Pavilions being under one administration, there is no occasion for us to summarise the statistics, which will be found attached to the report of the Medical Superintendent, Dr. Walmesley, pp. 149 to 154.

iii. TRAINING SHIP "EXMOUTH."

The reports for the past year of the Committee of Management for this vessel and of the principal officers are not included in this volume, as it is our experience that those most interested in the subjects with which those reports deal prefer to have them in the separate form in which they are issued by the "Exmouth" Committee.

We propose, therefore, in future to confine our observations to the statistics of boys under training and to brief references to any matter of unusual interest in the reports of the committee or officers.

Statistics. The number of boys admitted during the year was 346 (including 20 who were admitted from extra metropolitan parishes and unions), while the number discharged was 347.

Of the latter number, 137 entered the Royal Navy, 109 the mercantile marine, 49 the Army as musicians, and 52 were returned to their respective parishes and unions. There were three deaths.

At the end of the year there remained 522 boys under training.

The Training Ship Committee call attention to the fact that the number of boys entered into the Royal Navy from the "Exmouth" during the year was 137, whilst the aggregate number of similar entries from all the other training ships in the United Kingdom was 135.

iv. GENERAL SUMMARY.

In conclusion, the Committee submit the following brief summary of the number of persons who have been under the care of the Managers in their several institutions since the opening of the first hospital in 1870:—

NUMBER OF PERSONS.	Admitted direct from Homes or Parishes and Unions.	Remaining in the various Institutions, Dec. 31st, 1896.
Fever Patients (including 218 cases of relapsing fever treated in 1870) ... }	153,750	4,566
Smallpox Patients... ..	63,403	1
Imbeciles	19,806	6,006
Boys on Training Ship "Exmouth"	6,203	522
Totals	243,162	11,095

* Re-admissions are not included.

(Signed) W. M. ACWORTH.

APPENDIX I.—INFECTIOUS DISEASES.

i. REPORT OF THE AMBULANCE COMMITTEE FOR
THE YEAR 1896.*January 18th, 1897.**To the Managers of the
Metropolitan Asylum District.*

Increased prevalence of Scarlet Fever and Diphtheria. In submitting our report for the year 1896, we regret that our first reference must be to the increased prevalence of scarlet fever and diphtheria as compared with the preceding year. Of the former disease 25,647 cases were notified as against 19,757 in 1895; and of the latter disease 13,362, as against 10,772 in the previous year, and in consequence of this, and of the fact that the proportion of notified cases that were admitted into the Managers' hospitals showed a further increase during the year, the work accomplished by the Land Ambulance Service was considerably in excess of that of any year since the service was established.

Limitation of admission to Hospital. At a comparatively early period of the year it again became necessary to limit admission to the Managers' hospitals to those patients who, as a consequence of their surroundings and conditions of life, were most in need of hospital treatment. At a later period it was found impossible to admit all such patients, and selections were made of the most urgent cases, the method adopted being the same as that described in our report for the year 1895.

Hospital accommodation. The Gore Farm Hospital at Darenth (erected for the accommodation of smallpox convalescent patients) was used during the whole of the year for the reception of scarlet fever convalescent patients. Additions were also made to the accommodation for scarlet fever and diphtheria patients by placing extra beds in the wards of the several hospitals, and later by the opening, on August 31st, of the new Brook Hospital at Woolwich. The normal accommodation of this hospital is for 488 patients, but by increasing temporarily the number of beds in the various wards, provision was made above that number for 88 patients.

Ambulance Stations. As mentioned in previous reports, the enormous increase in the work of the Ambulance Service during recent years has necessitated the provision of new ambulance stations. The Brook Station at Woolwich commenced work on August 18th last, and tenders for the erection of stations

adjacent to the North-Western Hospital and the South-Western Hospital respectively have been accepted by the Managers, and it is anticipated that both buildings will be completed and brought into operation in 1897.

LAND SERVICE.

Removals to the Managers' Hospitals.

On reference to Appendix A it will be seen that the total number of fever patients removed to the Managers' hospitals during the year was 22,152, as compared with 16,725 in 1895. The removals of smallpox patients numbered 265, as compared with 1,045 in 1895.

The average daily removals of fever patients in the first six months of the year was 53, and the last six months 68, as compared with 36 and 56 respectively in 1895.

The aggregate removals during the year, including the transfer of patients from one hospital to another, numbered 44,374. Of this number, 14,542 were effected by the Eastern Station, 14,604 by the Western Station, 13,137 by the South-Eastern Station (including the removals effected by the Fountain Ambulance Shelter), and 2,091 by the Brook Station. The last-mentioned station did not commence work until August 18th.

Appendix B exhibits the number of journeys made and miles run by the horses and vehicles during the year.

The following were the greatest numbers of patients removed to hospital in a day by the several stations:—Eastern Station, on September 17th, 58 patients; Western Station, on September 17th, 46 patients; South-Eastern Station, on August 19th, 43 patients; Fountain Shelter, on May 18th, 14 patients; and Brook Station, on September 3rd, 28 patients.

The heaviest week's work was, for the Eastern Station, that ended on September 19th, when 375 removals (including transfers, &c.) were effected, and 2,382 miles were travelled; for the Western Station, that ended on September 19th, when 351 removals were effected, and 2,386 miles were travelled; for the South-Eastern Station, that ended on June 13th, when 292 removals were effected, and 2,686 miles were travelled; and for the Fountain Shelter, that ended on August 22nd, when 51 removals were effected, and 388 miles were travelled.

Smallpox Patients admitted.

Smallpox patients were admitted to the Managers' hospitals from every district in the Metropolis except Chelsea; St. George's, Hanover Square; Hampstead, and Shoreditch, the total number, including cases which after observation proved not to be smallpox, and cases which were conveyed to the ships by the ambulances of certain extra-metropolitan authorities, being 231. The monthly admissions were as follow:—

January	...	...	61	July	...	...	16
February	...	...	23	August	...	...	13
March	...	...	28	September	...	...	3
April	...	...	17	October	...	...	2
May	...	...	18	November	...	...	—
June	...	...	48	December	...	...	2

Of the above there came from West Ham 37 in the first quarter of the year, 15 in the second quarter, and 1 in July, also a few from Erith and Dartford.

Total removals (Smallpox). The total number of patients certified to be suffering from smallpox removed in the Board's ambulances from their homes to the wharves during the year was 265. In 187 cases the diagnosis was confirmed by the medical officers who inspected the patients at the wharves.

Non-Smallpox cases. All of the 78 patients who were, in the opinion of those officers, not suffering from smallpox were returned to their homes, with the exception of four infants who were permitted to go to the hospital ships with their mothers, and of one patient who died at South Wharf.

Fever Patients. At the commencement of the year there were 3,529 patients in the Managers' fever hospitals, distributed as follow :—

Hospital.	Scarlet.	Diphtheria.	Typhus.	Enteric.	Other Diseases.	Total.
Eastern Hospital ...	280	72	—	19	—	371
North-Eastern Hospital	357	—	—	—	—	357
North-Western Hospital	219	87	—	22	1	329
Western Hospital ...	258	84	—	16	1	359
South-Western Hospital	228	52	—	26	—	306
Fountain Hospital ...	312	104	—	—	—	416
South-Eastern Hospital	267	96	—	36	—	399
Northern Hospital ...	793	69	—	—	—	862
Gore Farm Hospital ...	130	—	—	—	—	130
Totals	2,844	564	—	119	2	3,529

This was a greater number by 1,042 than at the beginning of the preceding year. The number under treatment fell to the minimum (3,217) for the year by April 18th. After this date the number rose until it attained the maximum (4,996) for the year on November 2nd. Even this figure would have been exceeded if more accommodation had existed, and if admission had not been restricted to the most urgent cases.

Enteric Fever Patients. One hundred and nine enteric fever patients were during the year removed to general hospitals under the arrangements made with the authorities of those hospitals in 1892.

Diphtheria Patients. The total number of patients removed to the Managers' hospitals certified at the time of removal to be suffering from diphtheria or from "diphtheritic membranous croup" was 5,334, as against 4,476 in 1895. Of that number 48 per cent. were removed during the first half and 52 per cent. during the second half of the year.

Patients conveyed to other places than the Managers' Hospitals. Under the powers conferred by section 79 (3) of the Public Health (London) Act, 1891, 433 persons suffering from dangerous infectious disorders were conveyed in the Managers' ambulances during the year 1896. Of these 38 were stated to have measles, 104 scarlet fever, 97 enteric fever, 125 diphtheria, 62 erysipelas, 5 puerperal fever, 1 chickenpox, and 1 relapsing fever.

The total sum received by the Managers under this section of the Act during 1896 was £109 14s., of which £29 12s. 6d. was in respect of the services of nurses. In a considerable number of cases payment was remitted on account of the want of means of the patients.

Ambulance Stations. The Eastern, Western, and South-Eastern Stations have been maintained in thorough repair. The Fountain Ambulance Shelter at Tooting will shortly have to be removed to make room for part of the Grove Hospital now in course of erection.

The urgent pressure for accommodation, and the short supply of beds, have again thrown unusual stress on the Ambulance Service generally, and special anxiety on those engaged in directing its operations, both at the chief offices and at the several stations. We have the satisfaction of reporting that no hitch of any kind has been experienced, and that no patient or nurse has had cause to complain of injury or even inconvenience sustained while under charge of the service.

Staff. The health of the staff, both male and female, has on the whole been well maintained. At the Eastern Station 16 members have been off duty, one with an attack of typhoid fever, and others with minor disorders, involving in the aggregate a loss of service of 222 days. At the Western Station three men were off duty for an aggregate of 72 days, one of whom suffered from diphtheria; a fourth man died of tumour on the brain after a short illness. At the South-Eastern Station one man suffered from diphtheria, and was off duty for 50 days. At the Brook Station five men were off duty for an aggregate of 45 days, one having had his foot injured by a horse; the others suffered from colds.

There were 37 resignations, four discharges, and 63 appointments of the staff during the year.

The increase in the number of appointments, as compared with former years, was principally due to the opening of the Brook Ambulance Station, to which also were transferred the Superintendent and housekeeper and 10 members of the subordinate staff of the Eastern Ambulance Station.

RIVER SERVICE.

Steamers. The four ambulance steamboats—"Red Cross," "Maltese Cross," "Albert Victor," and "Geneva Cross"—have been maintained in working order.

In our last report we referred to a proposal which would be made to the Managers for obtaining tenders for the construction of a vessel to replace the steam pinnace "Swallow," which had been condemned as unfit for further use.

In due course the Managers accepted the tender of Messrs. E. Clarke & Co., of Brimscombe, near Stroud, to construct a steel vessel in general accordance with a specification prepared by Mr. C. Thomson, the Superintendent of the River Service, for the sum of £1,888.

The vessel is now completed and has been named the "White Cross." Her length between perpendiculars is 65 ft., breadth moulded 12 ft. 6 in., depth from top of keel to underdeck 4 ft. 6 in., and she has a mean draught of 2 ft. 7 in. In the fore-part is a cabin for the accommodation of staff and visitors to patients, and in the after-part is a cabin fitted for the accommodation of four recumbent patients.

The distance run collectively by the steamers was 10,333 miles, and they conveyed 2,399 patients and other passengers, and 76 tons 4 cwt. of stores, &c., to and from the hospital ships at Long Reach (see Appendix C).

As in former years, several barges and other craft have come into collision with the Managers' steamers while lying at their moorings. The damage sustained has been in every instance made thoroughly good, and the total amount recovered in respect thereof during the year was £681 15s., making a total of £2,607 11s. 1d. recovered since 1885, in which year the present system of insurance against damage of all kinds, without the usual restrictive clauses, was first adopted.

Wharves. The wharves and piers, and the houses and other buildings in connection therewith, at Fulham, Rotherhithe, and Blackwall continue to be maintained in a satisfactory state of repair.

The erection at the South Wharf of commodious quarters for the nursing and domestic staff employed in connection with the hospital wards of the steamboats and the shelters on shore has been completed, and the buildings are occupied.

In our report for 1894 we mentioned that plans had been approved by the Managers, and forwarded to the Local Government Board, for providing a shelter at South Wharf, Rotherhithe, for the accommodation of smallpox patients who arrive at the wharf too late at night for immediate transport to the hospital ships at Long Reach. These plans provided for the accommodation of 14 patients. After correspondence with the Local Government Board with regard to a reduction in the number of patients, that board finally, by letter dated May 29th, 1896, informed the Managers that provision should not be made for more than six patients as a maximum. In a report on this letter which we presented to the Managers on November 7th last, we expressed our regret that the Board should have considered it necessary to restrict the accommodation to be provided to such a small number as six patients, but as even that limited provision would enable the Managers on many occasions to dispense with the use of the ambulance steamboats at night, we considered that steps for the erection of the shed should be taken at as early a date as possible, and we recommended that the Works Committee should be instructed to prepare revised plans and estimate accordingly.

The Managers adopted our recommendation.

Staff. There have been seven resignations, two discharges, and nine appointments of the staff during the year.

COST OF AMBULANCE SERVICES.

The total payments made during the year ended on December 31st last were as under:—

	£	s.	d.
For the Eastern Station	4,368	13	2
„ South-Eastern Station	5,180	3	0
„ Western Station... ..	4,289	9	5
„ Brook Station	2,373	5	2
	<u>£16,211</u>	<u>10</u>	<u>9</u>
River Service	8,594	6	6
„ Medical Department	1,348	13	4
	<u>£9,942</u>	<u>19</u>	<u>10</u>
Expenditure out of Loan Account—			
Brook Station—On account of erection of station	6,701	6	3
North-Western Station—On account of „	8,586	3	9
River Service—On account of erection of staff quarters at South Wharf	6,265	3	0
Ditto On account of construction of new ambulance steam launch	1,261	2	9
Eastern Station—Erection of nurses' quarters and coach-house	90	2	1
South-Western Station—On account of erection of station	160	6	0
	<u>£23,064</u>	<u>3</u>	<u>10</u>

With regard to the ambulance nurses, who have, as in previous years, been drawn for fever purposes from the hospitals in proximity to the ambulance stations, it may be mentioned that, for purposes of account and comparison as between the different institutions of the Board, the cost of their services has been assumed to be fairly represented by a fixed charge of 2s. 6d. per journey, and in the aggregate these charges amount to no less a sum than £3,091 10s. for the past year.

The nurses employed for smallpox purposes have been supplied partly from the staff of the hospital ships and partly from the London hospitals; but arrangements have now been made for such nurses as are required during non-epidemic times being entirely drawn from the staff of the latter hospitals.

(Signed) JACKSON HUNT,
Chairman of the Committee.

APPENDIX A.—LAND AMBULANCE SERVICE.

Number of Patients removed by the Ambulances of the Board.

	From 1881 to 1890	1891	1892	1893	1894	1895	1896	TOTALS.
FEVER:—								
From homes to Hospitals ...	35,123	7,725	16,118	18,496	16,573	16,725	22,152	132,912
Convalescents to Northern and other Hospitals ...	9,487	2,392	7,682	6,813	5,159	5,037	9,998	46,568
Recovered cases from Northern Hospital to Town Hospitals for discharge ...	8,254	2,206	4,572	5,670	4,090	4,464	5,899	35,155
Recovered cases discharged from Northern Hospital conveyed from Eastern and Western Hospitals to South- Eastern Hospital ...	...	...	100	60	221	82	154	617
Recovered cases from Gore Farm Hospital to Town Hospitals for discharge ...	309	137	2,205	1,536	1,375	...	3,629	9,191
Recovered cases from Gore Farm Hospital conveyed from the South-Eastern Hospital to the Western, South-Western, and Eastern Hospitals ...	...	...	183	126	112	...	31	452
Other transfers between Hos- pitals ...	...	...	...	...	7	61	1	69
From Hospitals to homes ...	*2,678	140	220	279	251	256	377	4,201
From General Hospitals to homes, owing to want of room in the Managers' Hospitals ...	...	...	...	468	143	724	1,287	2,622
Enteric Fever cases from homes to General Hospitals ...	...	...	...	170	216	241	109	736
Total Fever Patients ...	55,851	12,600	31,080	33,618	28,147	27,590	43,637	232,523
SMALLPOX:—								
From homes to Hospitals and Wharves ...	14,006	64	306	2,389	1,186	1,045	265	19,261
From Hospitals to Wharves...	4,890	63	200	331	8	...	...	5,492
Other transfers between Hos- pitals ...	...	...	5	1	1	3	...	10
From Hospitals and Wharves to homes ...	10,358	...	10	44	77	77	39	10,605
Total Smallpox Patients ...	29,254	127	521	2,765	1,272	1,125	304	35,368
Conveyance of Patients to other places than the Mana- gers' Hospitals ...	130	126	432	593	269	326	433	2,309
Grand Totals ...	85,235	12,853	32,033	36,976	29,688	29,041	44,374	270,200

* Includes some smallpox cases.

N.B.—(1) The Eastern Ambulance Station first commenced work on July 14th, 1881, at London Fields, and was removed to the present premises in Brooksbys Walk in June, 1885; the South-Eastern Station commenced work on October 1st, 1883; and the Western Station on July 9th, 1884.

(2) The use of the Managers' ambulances for the general conveyance of the infectious sick was not authorised until November 30th, 1889.

APPENDIX B.—LAND AMBULANCE SERVICE—(continued).

Return of Work for the Twelve Months ended December 31st, 1896.

PARTICULARS OF WORK.	Number of Journeys.	MILES RUN.				
		By Horses.				By Vehicles.
		1	2	3	4	
REMOVALS FROM HOME—						
To the Board's Hospitals—						
Fever Patients	20,495	208,992	2,070	...	...	211,062
Smallpox Patients...	...	...	...	...	...	...
To the Board's Wharves—						
Smallpox Patients...	242	3,744	...	...	...	3,744
To General Hospitals—						
Enteric Patients	108	1,172	...	...	...	1,172
OTHER REMOVALS—						
From General Hospitals to homes owing to want of room in the Board's Hospitals	1,257	9,599	...	...	...	9,599
Non-Smallpox Patients returned home	34	355	...	...	...	355
Other Patients returned home...	36	276	...	...	...	276
Patients sent for, but for various causes, not removed...	1,352	10,038	...	...	...	10,038
Patients friend taken from home to Hospital	4	52	...	...	...	52
Patients friends taken from Hospital to home	5	60	...	...	...	60
TRANSFERS BETWEEN HOSPITALS—						
Fever Patients to and from Northern Hospital...	878	2,263	18,660	...	...	20,923
Fever Patients to and from Gore Farm Hospital ..	1,037	169	25,700	337	301	26,507
Other transfers between Hospitals	93	1,390	49	...	...	1,439
RECOVERED PATIENTS TAKEN HOME—						
From Fever Hospitals	338	3,404	...	...	...	3,404
From Wharves:—Smallpox ...	41	580	...	...	...	580
Service requirements	301	2,719	233	...	...	2,938
Conveyance of Ambulance Committee	3	...	15	...	...	15
Conveyance of other Committee ...	1	...	7	...	...	7
	26,225	244,813	46,734	337	301	292,171
Conveyance of Patients to other places than Managers' Hospitals (private removals)	421	4,563	58	...	...	4,621
Totals for 1896	26,646	249,376	46,792	337	301	296,792
Totals for 1895	19,963	189,360	23,004	...	...	212,364
Totals for 1894	19,796	176,602	26,918	72	228	203,820
Totals for 1893	24,017	214,884	30,186	...	241	245,311
Totals for 1892	17,607	147,606	27,497	...	3,535	178,638
Totals for 1891	8,254	66,129	12,958	...	791	79,873
Totals for 1890	8,644	67,443	14,167	415	2,405	84,423
Totals for 1889	5,594	40,957	6,276	232	881	48,346
Totals for 1888	5,550	34,842	12,767	...	1,910	49,519
Totals for 1887	6,507	51,894	5,223	...	1,009	58,126
Totals for 1886	2,073	13,578	1,980	...	...	15,558
Grand Totals	144,651	1,252,671	207,768	1,056	11,301	1,472,770

APPENDIX C.—RIVER SERVICE.

Number of Patients, Visitors, Staff, &c., conveyed to and from the Hospital Ships during the year 1896.

MONTH.	Patients conveyed to Hospital Ships.	Recovered cases conveyed from Hospital Ships.	Visitors conveyed to and from Hospital Ships (including Managers).	Staff, &c., conveyed to and from Hospital Ships.	Totals.
January	54	53	66	164	337
February	22	41	10	201	274
March	24	38	2	187	251
April	9	28	...	152	189
May	12	7	11	163	193
June	35	15	11	159	220
July	17	25	6	173	221
August	10	21	3	149	183
September	2	9	31	155	197
October	2	4	13	120	139
November ... ..	...	1	...	105	106
December	1	1	...	87	89
Totals for the year 1896	188	243	153	1,815	2,399
Totals for 1895	925	792	862	2,372	4,951
Totals for 1894	1,101	1,009	1,762	3,742	7,614
Totals for 1893	2,364	2,053	2,195	4,040	10,652
Totals for 1892	298	235	121	735	1,389
Totals for 1891	63	53	155	503	774
Totals for 1890	26	25	38	339	428
Totals for 1889	5	4	51	445	505
Totals for 1888	62	63	246	476	847
Totals for 1887	54	45	395	478	972
Totals for 1886	130	145	458	*3,929	4,662
Totals for 1885	5,468	5,809	†	†	11,277
Totals for 1884	5,592	4,267	†	†	9,859
Grand Totals	16,276	14,743	6,436	18,874	56,329

STEAMERS.

STEAMER.	Fires alight.		Under Steam.		Under Way.		Coal consumed.		Number of days when under steam.	Distance run. Miles.
	Hours.	Mins.	Hours.	Mins.	Hours.	Mins.	Tons.	Cwt.		
" Albert Victor " ...	1,248	...	1,010	30	275	59	102	9 $\frac{1}{4}$	122	2,738
" Geneva Cross " ...	2,325	...	2,087	...	157	18	111	10 $\frac{1}{4}$	129	1,574
" Maltese Cross " ...	2,125	30	1,879	30	319	48	130	2 $\frac{3}{4}$	175	2,953
" Red Cross " ...	3,026	...	2,773	30	313	51	123	16 $\frac{3}{4}$	293	3,068
Totals ...	8,724	30	7,750	30	1,066	56	467	19 $\frac{1}{4}$	629	10,333

Quantity of Stores, Parcels, &c., conveyed to and from the Hospital Ships.
 Number, 1,878. Weight, 76 tons 4 cwt. 1 qr. 14 lbs.

* Included in this number is the number of contractors' workmen who were engaged on building and other work in connection with the hospital ships, and who were conveyed to and from Long Reach each week.
 † No figures were given in the Committee's Report for 1884 and 1885.

ii. REPORTS OF THE MEDICAL SUPERINTENDENTS
OF THE SEVERAL FEVER HOSPITALS FOR THE
YEAR 1896.

(For Statistics, see pp. 64 to 87.)

[*N.B.—Those portions of the Reports relating to alterations to buildings and other matters of no general interest have been omitted.*]

No. 1.

THE EASTERN HOSPITAL.

HOMERTON, N.E.,

January 20th, 1897.

* * * * *

Statistics.

During the year 3,553 patients have been under treatment. Of these 1,621 have been discharged recovered, 1,327 have been transferred to other hospitals of the Board, and 235 have died, leaving 370 under treatment. The percentage mortality is 7·39, or half what it was last year. On only one previous occasion has the gross mortality been less than 10 per cent., namely, in 1887, when it was 9·3, and in that year no cases of diphtheria and practically no cases of typhus fever were admitted into the hospital. The cause of the lowness of the gross mortality will appear when the mortalities of the different classes of disease are considered.

**Scarlet
Fever.**

The number of scarlet fever cases under treatment has been 2,441. Of these, 924 were discharged, 1,156 were transferred, 88 died, and 273 remained at the end of the year. The percentage mortality is 4·05. Included among the fatal cases are eight in which death was due to causes in no way connected with the attack of scarlet fever for which the patients were admitted. These cases are as follow:—Whooping-cough, four; tuberculous disease of the lungs, two; empyema and pericarditis, one; exophthalmic goitre, one. If allowance is made for these cases, the scarlet fever mortality is 3·68. The mortality given above, 4·05, is the lowest that has hitherto been recorded at this hospital. The nearest approach to this figure is 5·4 for 1891. Two factors conduced to the lower mortality for the past year; firstly, the disease was, especially after March, of a milder type than had been admitted during the previous four years; secondly, there were fewer deaths than usual from secondary diphtheria and from diseases such as those enumerated above (whooping-cough, tuberculosis, &c.). It is especially noticeable that only 14 patients suffered from measles as well as scarlet fever, and not one of them died.

**Post-
scarlatinal
Diphtheria.**

There were 39 cases of secondary or post-scarlatinal diphtheria, with three deaths, a mortality of 7·6 per cent. A detailed list of these cases, with observations, will be found in the Medical Supplement, p. 159. There were 21 cases of other forms of secondary sore throat.

Diphtheria and Antitoxin Treatment. The number of cases of diphtheria under treatment was 706; of these, 355 were discharged, 171 were transferred, 110 died, and 70 remained at the end of the year. The mortality per cent. is 17·37, the lowest hitherto recorded for this hospital. Last year the mortality was 25·94. In six of the cases death was due to causes other than diphtheria, viz., scarlet fever, two cases; chronic lung disease, two cases; influenza and lobular pneumonia, one case; measles, one case. Making allowance for these, the mortality becomes 16·5 per cent. The question of the influence of the antitoxin treatment will be discussed in a special report; but I see no reason to alter the opinion I expressed on the subject last year and the year before.

Enteric Fever. Of enteric fever 133 cases have been under treatment; of these, 98 were discharged, 19 died, and 16 remained at the end of the year. The mortality per cent. is 16·30, the average mortality, though much less than last year.

Typhus Fever. No cases of typhus fever have been under treatment.

Combined Mortality. The combined mortality of the scarlet fever, diphtheria, and enteric fever cases is 7·42, half what it was last year.

Other Diseases. Of the 3,174 cases admitted, 253, or 7·9 per cent., were found to be suffering from diseases other than those which they were certified to have. The percentage of error was in the case of scarlet fever 3·5, of diphtheria 15·5, and of enteric fever 27·0; last year the figures were 5·4, 17·2, and 37·7 respectively; the total percentage error being 10·9. The percentage mortality of these cases of "other disease" is 6·99. It has never before been so low, the lowest percentage previously attained being 12·9 in 1882. This, of course, is an accidental circumstance; the cases sent in did not happen to be of a fatal sort. Amongst these cases are usually a considerable number of cases of measles, of which the mortality is usually high. It is noteworthy that during last year only 28 cases of measles were admitted to the hospital, 12 of them being combined with scarlet fever or diphtheria; of these 28 only two proved fatal. Only nine patients caught the disease in the hospital, and none died. Yet during the first six months of the year measles must have been exceedingly prevalent in London, for during that period 3,015 deaths from measles were registered, which, taking the case-mortality as high as 25 per cent., gives over 12,000 cases. The hospital was, therefore, exceedingly fortunate in being so free from the disease.

* * * * *

(Signed) E. W. GOODALL,
Medical Superintendent.

No. 2.

NORTH-EASTERN FEVER HOSPITAL.

ST. ANN'S ROAD, SOUTH TOTTENHAM,

February 2nd, 1897.

* * * * *

*364 patients remained in hospital at the end of 1895.

Statistics.

3,082 were admitted during 1896; 1,699 were discharged; 1,271 were transferred to the Northern Hospital; and 82 died; leaving 394 in hospital at the end of the year.

The hospital death rate for the year is 2·67. The rate, as calculated by the formula in use, was higher in previous years. The following figures are taken from the reports :—

Year.	Admissions.	Deaths.	Rates.
1892	816	29	4·66
1893	3,131	146	4·68
1894	2,004	128	6·09
1895	2,554	115	4·61
1896	3,082	82	2·67

It is doubtful whether this low case-mortality is a matter for congratulation, for possibly it may be accounted for by the circumstance that the Managers were obliged to refuse patients admission earlier and for a longer period than formerly. When the hospitals are full the most seriously ill patients die at home, and others are convalescing at the time of admission. At such times the normal accommodation is exceeded by the provision of extra beds in the wards. As only scarlet fever patients are admitted here, the numbers in hospital fluctuated with the prevalence of that disease. The daily number of patients in hospital at midnight varied during 1896 from 280 on April 21st to 545 on September 27th. The number of beds for patients was increased from 420, the normal accommodation; at the same time the number of nurses and others in attendance on the sick was also increased. The most admitted on one day was 57, on August 3rd. This is the largest number admitted on any one day since the opening of the hospital. It would appear that it is right to crowd the wards in times of epidemic stress, for the average severity of the patients' illness is lower, owing to so many deaths occurring at home, and the number treated in hospital is higher. It is to be regretted that the "total deaths" only being given in Table II. for the months, we cannot calculate the seasonal mortality for any one of the diseases. It would be important to know whether there is a normal autumnal fall in the case-mortality of scarlet fever patients treated in the Board's hospitals. As it is vital to admit every scarlet fever patient

* A correction has been made in carrying over the details from the previous year's Table I.

applying to be taken in, it would be well to settle the disputed point: whether any injury is done to the patients by reducing, during the summer and autumn months, the cubic space allotted to each bed.

Post-scarlatinal Diphtheria. The last 10 patients in last year's post-scarlatinal diphtheria list are included in this year's, so that the list refers to patients who either died or were discharged during 1896. (See Medical Supplement, p. 159.)

* * * * *

(Signed) R. A. BIRDWOOD,
Medical Superintendent.

No. 3.

NORTH-WESTERN HOSPITAL.

HAVERSTOCK HILL, N.W.,
February 4th, 1897.

* * * * *

Statistics. The gross number of cases treated during the year was 3,380, the mortality on the whole being 11·69 per cent.

Of the 3,082 admissions, all direct from their homes or institutions, 2,010 were cases of scarlet fever, 812 cases of diphtheria, 106 cases of enteric fever, and 154 were at the time or subsequently found to be suffering from other diseases.

65·2 per cent. of the total admissions suffered from scarlet fever, and 91 deaths were attributable to this disease or its complications, the percentage mortality, calculated according to the Registrar-General's formula, being 4·64 per cent.

The severity of the cases was, if anything, below the normal.

With regard to age, 35 per cent. of the cases were under five years, and 41 per cent. between five and ten years.

Of the 812 suffering from diphtheria, 237 died, the mortality, calculated by the Registrar-General's formula, being 29·77 per cent. Forty-eight per cent. of the cases were under five years of age, and 37·8 per cent. between the ages of five and ten, that is, no less than 85·8 per cent. were under ten years of age.

The type of the disease was more than ordinarily severe; many cases were admitted in a very late stage, and no less than 64 died within 48 hours of admission.

Of the 106 enteric fever cases admitted, 11 died, the percentage mortality, calculated in the same way, being 10·28 per cent.

Of the 154 cases of other diseases, 14 died, or a percentage mortality of 9·21.

1,082, or 47·5 per cent., of the scarlet fever cases were transferred to the Northern Hospital, and, but for which assistance, our sphere of usefulness would necessarily have been much curtailed.

Post-scarlatinal Diphtheria. The incidence of diphtheria during recovery from scarlet fever was somewhat less than in the preceding year, there being 13 cases, as against 16 in 1895.

The table on page 160 gives the oft-repeated particulars, and shows that a

mortality occurred of 23·0 per cent., as against 33·3 per cent. of the preceding similar period. It will be seen that three of these cases of post-scarlatinal diphtheria have occurred in Pavilions Nos. 3 and 5 within a few weeks of their being opened, but why, no reasonable explanation is evident. It is, however, a curious fact that, while many of those now almost despised huts, which have done good suit and service through many epidemics, practically escaped, these new palatial wards, with very ample cubic space and ventilation by the latest and most improved systems, and furniture for the most part recent, gave instances of this complication.

* * * * *

(Signed) Wm. GAYTON,
Medical Superintendent.

No. 4.

WESTERN HOSPITAL.

FULHAM, S.W.,
February, 1897.

* * * * *

Statistics. The year has been an exceptionally busy one, 3,533 cases having been under treatment, as compared with 2,762 in the preceding twelve months. The number treated includes 3,173 admissions, including a child who was born in the hospital, and 360 which remained in the hospital at the end of 1895. Of these, 1,884 were transferred to other hospitals of the Board, 1,021 were discharged to their homes, 298 died, and 330 were left under treatment on December 31st.

The general mortality was 9·35 per cent.

The scarlet fever admissions numbered 2,116, which, together with 237 cases remaining at the end of the previous year, bring the total treated to 2,353. 1,689, or 71 per cent., were transferred to convalescent hospitals, 359 were discharged, and 93 died, leaving under treatment 212.

The death rate was 4·37 per cent., but if 18 deaths due to intercurrent affections, viz., nine to diphtheria, six to measles (in four of which diphtheria was superadded), two to whooping cough, and one to tuberculosis, be deducted, the percentage mortality falls to 3·52.

The type of the disease was on the whole below the average in severity, and with the exception of otitis, the incidence of the chief complications arising during its course was lower than usual.

Diphtheria was coexistent with scarlet fever in 86 cases, in 23 of which it developed before and in 63 subsequent to the admission of the patient.

These figures are somewhat higher than in previous years, the excess being for the most part due to the inclusion of cases the diagnosis of which depended entirely upon the application of the bacteriological test.

Post-scarlatinal Diphtheria.

The mortality of the post-scarlatinal cases was 7.93 per cent. The marked reduction in the death rate attending this form of diphtheria in 1895, compared with an average death rate of 70 per cent. in the five preceding years, has therefore been maintained in the series of cases tabulated on page 160, and is in my opinion to be attributed to the early employment of antitoxic serum in those cases in which its use seemed to be indicated.

Of diphtheria, 870 cases have been treated during the year, including 782 admissions and 88 which remained in hospital at the end of 1895. Of these, 403 were discharged, 195 transferred, 170 died, and 102 remained under treatment.

The mortality was 21.93 per cent., nearly 2 per cent. above that of the preceding year, but over 12 below that of 1894.

The type of the disease was quite up to the average in severity.

A collective report on the antitoxic serum treatment of diphtheria will be submitted to the Board by the several Medical Superintendents concerned. I need not therefore further allude to the subject, beyond stating that the serum was employed in 529 cases—a fraction over 60 per cent. of those admitted—and that the beneficial effects which attended its administration, especially in cases coming early under treatment, have served to strengthen my belief as to its decided value as a remedial agent in the treatment of diphtheria.

Of enteric fever, 98 cases were treated, made up of 82 admissions and 16 remaining in; 74 were discharged, and 11 died, leaving 13 under treatment.

The mortality was 13.25 per cent.

Of miscellaneous diseases, 212 were treated, made up of 193 admissions and 19 remaining in; 185 were discharged, and 24 died, leaving three under treatment.

The mortality was 11.94 per cent.

The percentage of erroneous diagnosis was 1.6 in cases certified as having scarlet fever, 13.8 in those certified as diphtheria, and 21.9 in those certified as enteric fever.

* * * * *

(Signed) R. M. BRUCE,
Medical Superintendent.

No. 5.**SOUTH-WESTERN HOSPITAL.**

LANDOR ROAD, STOCKWELL, S.W.,
January 25th, 1897.

* * * * *

Statistics.

The number of admissions was 2,399, which, added to 307 remaining in hospital at the end of 1895, represents a total number of 2,706 patients treated during the year. Of these 1,238 were sent home, 976 transferred, 206 died, and 286 remained under treatment on December 31st, 1896.

The gross mortality therefore was 8.55 per cent.

The scarlet fever admissions numbered 1,672, and those remaining at the end of the previous year 216; of these 671 were discharged, 911 transferred, 91 died, and 215 remained under treatment on December 31st, 1896.

The scarlet fever mortality therefore was 5.44 per cent.

The type of this disease was of about average severity, and showed but little variation throughout the year.

The 91 deaths include five cases in which the attack was complicated by the coexistence of another infectious disorder, viz., diphtheria three, measles one, and whooping-cough one, and also three cases in which the fatal complication developed after admission, viz., diphtheria two and measles one.

The incidence of diphtheria amongst the scarlet fever convalescents was somewhat less in 1896 than in the previous year, being 1.4, as against 2.1 per cent., on completed cases.

Post-scarlatinal Diphtheria.

Of the 24 cases of post-scarlatinal diphtheria (see p. 161) 22 recovered and two died, representing a case-mortality of 8.33. This is most satisfactory. The reduction in mortality which was brought about last year by the use of antitoxic serum, viz., from 53.3 per cent. in 1894 to 18.5 per cent. in 1895, has been still greater during 1896.

In my last year's report I freely admitted that the reduction of the general post-scarlatinal diphtheria death rate from 53.3 per cent. to 18 per cent. was no doubt in part attributable to the adoption throughout the latter year of the bacteriological method of diagnosis, by which a number of mild cases were included which would not have been regarded as diphtheria on clinical evidence alone. But for 1896 this explanation can have no place, since the bacteriological diagnosis has been continually in vogue since the beginning of 1895.

Yet the death rate has fallen from 18.5 per cent. to 8.3 per cent.

Moreover, in the laryngeal cases in which the danger to life is so urgent and the features so apparent as to present no difficulty in diagnosis, the use of antitoxin has been attended with a progressive reduction of mortality from 87.5 per cent. in 1894 to 25 per cent. in 1885 and 16.6 per cent. in 1896.

The improvement in the results following the operation of tracheotomy since the introduction of antitoxin is even more marked, but the numbers are too small to carry much weight.

Of the two cases of post-scarlatinal diphtheria which were fatal during 1896, it is only fair to state that in one, an infant less than two years of age, the serum was not given as early as would have been desirable owing to the nature of the complication not having been recognised at the beginning, and in the other the child died from broncho-pneumonia, which developed subsequent to recovery from the attack of diphtheria, the operation wound having healed.

The diphtheria admissions numbered 480, which, with 49 remaining from 1895, represents a total of 529 who came under treatment; 340 of which were discharged, 65 transferred, 79 died, and 45 remained under treatment at the end of the year.

The mortality of the diphtheria cases was therefore 16.39 per cent. This is a lower death rate than has ever been recorded in any single hospital since the disease was first received. The opinion held by my colleagues, in which I concur, is that

the severity of the diphtheria cases during the last quarter was considerably above the average. This result I have no hesitation whatever in ascribing to the controlling influence of antitoxin, which has been studiously administered throughout the year to all cases which were at all severe or which threatened to become so. In three cases only of fatal diphtheria was antitoxin not given. Two were admitted at a late stage of the attack, after the throat had become clean, and it was decided not to give serum, as it could have no influence in warding off the fatal cardiac paralysis which was then impending, and the third, having passed through a mild attack of diphtheria, died suddenly from disease of the brain.

Further information concerning the results of the antitoxin treatment during 1896 will be found in the joint report which the medical superintendents are now drawing up at the Managers' request.

The 79 deaths include two cases fatal from intercurrent measles.

The enteric fever admissions number 97, and 33 remained in from the previous year. Of these 92 were discharged, 21 died, and 17 were still under treatment on December 31st, 1896. The enteric fever mortality was therefore 20·0 per cent. The average severity of attack was high, and relapses were unusually frequent.

During the year 149 cases, or 6·2 per cent. of the total admissions, were found to be suffering from some miscellaneous disease other than scarlet fever, diphtheria, or enteric fever as certified.

The largest proportion of mistaken diagnosis occurred in respect to diphtheria. Of 571 cases certified diphtheria, 91, or 15·9 per cent., were found to be suffering from some other affection, for the most part simple tonsillitis, of which there were 83 cases.

Of 110 cases certified enteric fever, 13, or 11·8 per cent., were found to be suffering from another disease.

Of 1,713 cases certified scarlet fever, in 43, or 2·5 per cent., the diagnosis was found to be erroneous.

One case only of typhus was admitted, and this proved fatal.

* * * * *

(Signed) FRED. FOORD CAIGER,
Medical Superintendent.

No. 6.

FOUNTAIN HOSPITAL.

TOOTING GROVE,
February 23rd, 1897.

Statistics. The total number of patients under treatment during the year 1896 was 3,640. As compared with the previous year, there was an increase of 1,178 admissions, and 1,231 more patients were transferred to the convalescent hospitals of the Board.

The following summary shows the admissions, discharges, and deaths for the year:—

Remaining in hospital December 31st, 1895	...	...	408
Admissions during 1896...	...	...	3,232
			<hr/>
Total treated during 1896	...	...	3,640
Discharged recovered	...	...	1,335
Transferred to convalescent hospital	...	...	1,655
Died	...	...	278
Remaining December 31st, 1896	...	...	372
			<hr/>
Total	...	...	3,640
			<hr/>

The gross mortality, calculated on the Registrar-General's formula, is 8.55 per cent. In 1895 it was 8.91 per cent.

The number of patients under treatment for scarlet fever, including 296 remaining at the end of 1895, was 2,551, of whom 686 were discharged recovered, 1,499 were transferred to other hospitals of the Board, and 99 died, leaving 267 patients under treatment at the end of the year.

The mortality was 4.36 per cent.

There were 128 cases of scarlet fever and diphtheria, of which no less than 73 suffered from primary diphtheria during the acute stage of scarlet fever, that is to say, from concurrent attacks, while the remaining 55 cases developed secondary diphtheria during the convalescent stage of scarlet fever. Amongst the former class 19 patients died, and amongst the latter four died. If all the above 128 cases were excluded from calculation of the mortality, the death rate of scarlet fever *per se* would fall to 3.44 per cent.

The occurrence of so many cases suffering on admission from coexistent scarlet fever and diphtheria has not been observed before. The mixed character of the infection was not stated on the medical certificate, but was diagnosed subsequent to their admission. Thus, of the 73 cases, 56 were certified scarlet fever and 17 diphtheria. A considerable number unavoidably escaped recognition at first, and were admitted as certified to the general wards. They thus became the source of further trouble, infecting scarlet fever wards with diphtheria and diphtheria wards with scarlet fever.

The matter is noteworthy because the association of diphtheria with scarlet fever did not use to be regarded as a common event, except in the convalescent stage of the disease. It has become, moreover, a very much less fatal complication. This result is, to some extent, attributable to the inclusion of mild cases, which would have been overlooked but for the discovery of the specific organisms of diphtheria in cultivations taken from the throat. Separate accommodation on a larger scale than that provided by our limited isolation wards has been made during the past two years at this hospital for patients suffering from these combined diseases.

The table on p. 161 shows the incidence of secondary diphtheria, of which there were 55 cases, with four deaths, a mortality of 7.27 per cent. Wards 1 to 8 are occupied by females and males under six. Wards 9 to 12 by males mainly over six. 41 out of the 55 cases occurred in female wards.

Including 109 patients remaining at the end of 1895, the number of diphtheria patients treated was 979; of these 547 were discharged recovered, 156 were transferred to other hospitals of the Board, 172 died, and 104 remained at the end of the year.

The diphtheria mortality was 19·72 per cent. In 1895, the mortality was 19·47 per cent.

40 of the 172 deaths, or 23·2 per cent., took place within 48 hours of admission.

66 cases contracted scarlet fever after admission, and of these 13 died.

The bacteriological examination of all cases certified diphtheria was made under the supervision of Dr. Sims Woodhead, at the laboratories of the Royal Colleges. Of 75 cases certified diphtheria, 56 had scarlet fever only, and 19 had both diphtheria and scarlet fever. All these are included in the figures for scarlet fever.

Exclusive of them, 75 cases certified diphtheria showed no evidence whatever of that disease, and have accordingly been omitted from the figures for diphtheria. Details of their diseases are shown on table VIII., p. 83.

As in 1895, the serum method of treatment was administered, with slight variations as to dosage, throughout the year. The experience thus gained has strengthened my opinion as to the great value of this remedy in the treatment of diphtheria.

In favour of this belief, I direct your attention to the considerable reduction in the mortality during the past two years in which antitoxin has been used as compared with the average of 30·3 per cent. in the Board's hospitals before antitoxin was used. Further support is given by the improved results in those cases in which diphtheria attacks the respiratory passages. There were 30 cases of laryngeal obstruction which did not come to operation, with three deaths. There were 24 completed cases which required the operation of tracheotomy, with seven deaths. This shows a rate of recovery of 70·2 per cent. In 1895 the rate of recovery for this operation was 52·8 per cent.

Since diphtheria was only taken in here late in 1894, it is not possible to institute comparisons at this hospital between these results and others in non-antitoxin years, but I can safely say that they represent an all-round improvement, in common with those hospitals in which such comparisons are possible. The feeling of hopefulness in doctor and nurse alike which is now imparted into the treatment of laryngeal diphtheria is in marked contrast to the feeling of hopelessness which obtained under former methods without the use of antitoxin, and can only be fully appreciated by those who have had much to do with this fatal variety of the disease.

Further information of the antitoxin treatment of diphtheria during 1896 is being prepared in a joint report of the medical superintendents of the Board's hospitals concerned therewith.

Details of miscellaneous diseases are given on table VIII., p. 83.

It will be seen that out of 3,232 admissions, 107, or 3·31 per cent., were found not to be suffering from the disease for which they had been certified. The percentage of errors was 1·4 in scarlet fever and 8·6 in diphtheria. In regard to these cases, experience proves that comparatively few of them contract the disease for which they are admitted, while any action which might be taken to delay the removal of

doubtful cases until the diagnosis is completed would be dangerous both to the individual and to the public health.

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(Signed) C. E. MATTHEWS,
Medical Superintendent.

No. 7.

SOUTH-EASTERN HOSPITAL.

HATFIELD STREET, S.E.,
January 28th, 1897.

Statistics. The hospital has been full or nearly full throughout the past year, the usual decline of admissions in the spring months not having taken place here. The smallest number of patients in hospital on any one night was 324 on April 15th, and the largest was 418 on November 7th and 8th.

* * * * *

394 patients remained at the beginning of the year, and 2,900 were admitted, making a total of 3,294 under treatment. Of these, 1,265 were discharged, 1,384 were transferred to other hospitals, 279 died, and 366 remained in hospital at the end of the year. The general death rate was 9·57 per cent.

The numbers under treatment of scarlet fever were 2,078, of diphtheria 792, of enteric fever 198, of typhus eight, and of other diseases 218.

The death rates were 4·59, 20·26, 17·68, 13·33, and 14·28 respectively. It will be noted that the death rate for scarlet fever is slightly higher than during 1895; that for diphtheria, enteric, and miscellaneous diseases is in each case less.

In many cases, one or more infectious diseases supervened during the patients' stay in hospital. In all, 211 such diseases supervened. In 28 out of the total 279 fatal cases there were such complications.

Post-scarlatinal Diphtheria. The list on page 162 shows the particulars of 37 cases who were suffering from scarlet fever on admission and contracted diphtheria in hospital. In addition to these, nine cases were admitted with post-scarlatinal diphtheria, and 50 with scarlet fever complicated in the acute stage with diphtheria.

Treatment. The antitoxin treatment for diphtheria was extensively used. The death rate among cases so treated was 23·3 per cent.—almost exactly the same as among similar cases in 1895. The death rate among tracheotomies for diphtheria, uncomplicated by other infectious disease, was 32 per cent., which is much lower than among similar cases at this hospital in any previous year.

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(Signed) F. M. TURNER,
Medical Superintendent.

No. 8.

BROOK HOSPITAL.

SHOOTER'S HILL, KENT,

March 24th, 1897.

* * * * *

Statistics. The statistics cover the period from the opening of the hospital on August 31st, 1896, till December 31st, 1896.

The total number of cases treated was 1,215. Of these, 905 were suffering from scarlet fever, 229 from diphtheria, 37 from enteric fever, and 44 from miscellaneous diseases.

The percentage mortality of scarlet fever was 4·06; diphtheria, 21·47; enteric fever, 17·24; miscellaneous diseases, 5·13. The percentage mortality of the total cases was 7·71.

As the tables cover a period of but four months, the statistical results obtained therefrom are of real value only when incorporated with the statistics for the year of other hospitals of the Board.

Post-Scarlatinal Diphtheria. The table showing the occurrence of post-scarlatinal diphtheria will be found in the medical supplement, page 162.

In five scarlet fever wards, viz., B 2, C 1, E 1, E 2, G 2, no cases occurred.

The diphtheria cases were systematically treated with antitoxin.

Staff. The total number of male and female subordinate officers employed (appointed) during the year was 394; the number who left was 92.

Staff Illness. Sixteen contracted scarlet fever (one charge nurse, seven assistant nurses, four wardmaids, one laundrymaid, one needlewoman, and two general porters); six contracted diphtheria (one charge nurse, two assistant nurses, two wardmaids, and one general porter); one contracted enteric fever (charge nurse). All these recovered.

The minor ailments were 60 in number, including tonsillitis (34 cases), anæmia, rheumatism, parotitis, &c., &c.

Having regard to the fact that practically all of the subordinate officers were new to infectious work, the proportion of those who contracted infectious diseases was not more than was to be anticipated.

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(Signed) JOHN MACCOMBIE,
Medical Superintendent.

No. 9.

NORTHERN HOSPITAL.

WINCHMORE HILL, LONDON, N.,

January, 1897.

* * * * *

Statistics. On December 31st, 1895, 862 cases were remaining in hospital, 5,839 were admitted during 1896, and the total number treated in the year was 6,701.

5,837 patients were discharged during the year, and 12 died. The gross mortality was 0·2.

Of the admissions, 5,175 were scarlet fever, and 658 were diphtheria cases. Of the former 10 and of the latter two died. The mortality of scarlet fever cases was 0·19 and of diphtheria 0·30.

4 of the deaths among scarlet fever patients were due to measles, and without these the scarlet fever mortality hardly exceeded 0·1.

63 cases of measles occurred, 59 among the scarlet fever and four among the diphtheria patients. These cases arose from 11 centres of infection, and occurred in three groups, one extending from December 15th, 1895, to March 15th, 1896, and comprising 54 cases; another from April 23rd to May 16th, consisting of four cases; and a third from September 12th to October 22nd, composed of five cases.

261 cases of post-scarlatinal diphtheria were completed during the year. Of these patients five died, a mortality of 1·92. Two of these deaths, due to measles and pericarditis respectively, were, however, apparently unconnected with the diphtheria illness, and the mortality should accordingly be reduced to 1·15. In one of the remaining fatal cases the diphtheria attack was coincident with a virulent attack of scarlet fever, and in another both diagnosis and treatment were delayed, probably for some days, by a severe stomatitis, which preceded the appearance of diphtheritic symptoms.

Antitoxic Serum Treatment. The large number of cases is in part due to the bacteriological method of diagnosis, and the enormously reduced mortality as compared with former years is undoubtedly attributable to the antitoxin treatment. The evidence afforded in this hospital in 1895 and 1896 of the value of this treatment when applied in the early stage of the disease is so striking that I hope it may be of service towards the establishment of a system by which an adequate dose of antitoxin, of properly tested strength, may be administered to every case of diphtheria on its diagnosis or notification without the fatal loss of time involved in delay occurring before the patient is admitted into hospital.

The list of the 261 cases will be found on p. 165, and the subject of post-scarlatinal diphtheria and also that of the antitoxin treatment are dealt with in further detail elsewhere.

Other complications and coexistent diseases were of the usual character.

63 diphtheria convalescents contracted scarlet fever, and of these one died.

* * * * *

(Signed) F. N. HUME,
Medical Superintendent.

No. 10.

GORE FARM HOSPITAL.

DARENTH, NEAR DARTFORD, KENT,
February 9th, 1897.

* * * * *

Statistics. There were 4,228 cases of scarlet fever under treatment; of these 3,560 were discharged recovered, four re-transferred to the London hospitals, four died, and 660 remained at the end of the year. The death rate, $\cdot 104$, was low.

It is worthy of record that no death occurred from July 25th, 1895, to July 27th, 1896. During this period of time there were under treatment 2,250 cases of scarlet fever and 352 cases of smallpox, making a total of 2,602 cases.

Post-scarlatinal Diphtheria. Throughout the year 195 cases of post-scarlatinal diphtheria occurred (see p. 164); of these, 168 were discharged recovered, one died, and 26 remained under treatment at the end of the year. The death was, however, not attributable to diphtheria, but to a relapse of scarlet fever and the onset of broncho-pneumonia. Diphtheria antitoxin was used in the treatment of 166 out of the 169 completed cases. Considering the mortality from post-scarlatinal diphtheria in years antecedent to the antitoxin treatment, this result is remarkable and exceedingly gratifying.

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(Signed) FREDERIC THOMSON,
Medical Superintendent.

FEVER STATISTICS.—TABLE I.—*Showing the*

EASTERN HOSPITAL.									
DISEASES.	Remain- ing on Dec. 31st, 1895.	Admitted during 1896.		Total under treatment during 1896.	Discharged during 1896.		Died during 1896.	Mortality per cent.	Remain- ing on Dec. 31st, 1896.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet	264	2,175	2	2,441	924	1,156	88	4·05	273
Diphtheria	76	630	...	706	355	171	110	17·37	70
Enteric	17	116	...	133	98	...	19	16·31	16
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases	20	253	...	273	244	...	18	6·99	11
Totals	377	3,174	2	3,553	1,621	1,327	235	7·39	370
NORTH-EASTERN HOSPITAL.									
Scarlet	359	3,008	1	3,368	1,633	1,267	76	2·54	392
Diphtheria ... ..	...	3	...	3	1	...	2	66·66	...
Enteric ... ..	...	...	...	...	...	...	...	...	...
Other diseases	5	70	...	75	65	4	4	5·59	2
Totals	364	3,081	1	3,446	1,699	1,271	82	2·67	394
NORTH-WESTERN HOSPITAL.									
Scarlet	204	2,010	...	2,214	740	1,082	91	4·64	301
Diphtheria	74	812	...	886	544	...	237	29·75	105
Enteric	18	106	...	124	98	...	11	10·23	15
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases	2	154	...	156	137	...	14	9·18	5
Totals	298	3,082	...	3,380	1,519	1,082	353	11·69	426
WESTERN HOSPITAL.									
Scarlet	237	2,116	...	2,353	359	1,689	93	4·37	212
Diphtheria	88	782	...	870	403	195	170	21·93	102
Enteric	16	82	...	98	74	...	11	13·17	13
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases	19	193	...	212	185	...	24	11·94	3
Totals	360	3,173	...	3,533	1,021	1,884	298	9·35	330
SOUTH-WESTERN HOSPITAL.									
Scarlet	216	1,669	3	1,888	671	911	91	5·44	215
Diphtheria	49	480	...	529	340	65	79	16·39	45
Enteric	33	97	...	130	92	...	21	20·00	17
Typhus ... ..	...	1	...	1	...	...	1	...	...
Other diseases	9	149	...	158	135	...	14	9·39	9
Totals	307	2,396	3	2,706	1,238	976	206	8·55	286
FOUNTAIN HOSPITAL.									
Scarlet	296	2,255	...	2,551	686	1,499	99	4·36	267
Diphtheria	109	870	...	979	547	156	172	19·72	104
Enteric ... ..	...	...	...	...	...	...	...	...	...
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases	3	107	...	110	102	...	7	6·5	1
Totals	408	3,232	...	3,640	1,335	1,655	278	8·55	372

Admissions, Discharges, and Deaths during 1896.

SOUTH-EASTERN HOSPITAL.

DISEASES.	Remain- ing on Dec. 31st, 1895.	Admitted during 1896.		Total under treatment during 1896.	Discharged during 1896.		Died during 1896.	Mortality per cent.	Remain- ing on Dec. 31st, 1896.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet	255	1,822	1	2,078	489	1,310	85	4.59	194
Diphtheria	89	702	1	792	450	72	138	20.26	132
Enteric	36	162	...	198	137	...	29	17.68	32
Typhus ... ..	...	8	...	8	6	...	1	13.33	1
Other diseases	14	204	...	218	183	2	26	12.53	7
Totals	394	2,898	2	3,294	1,265	1,384	279	9.57	366

BROOK HOSPITAL.

Scarlet ... ..	...	905	...	905	157	337	29	4.06	382
Diphtheria ... ..	...	229	...	229	87	...	38	21.47	104
Enteric ... ..	...	37	...	37	17	...	5	16.90	15
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases ... ..	...	44	...	44	33	...	2	5.13	9
Totals ... ..	...	1,215	...	1,215	294	337	74	7.71	510

NORTHERN HOSPITAL.

Scarlet	796	2	5,173	5,971	5,169	3	10	0.19	789
Diphtheria	66	...	658	724	659	...	2	0.30	63
Enteric ... ..	...	...	...	...	...	...	...	...	...
Other diseases ... ..	...	...	6	6	6	...	...	...	...
Totals	862	2	5,837	6,701	5,834	3	12	0.20	852

GORE FARM HOSPITAL.

Scarlet	130	20	4,078	4,228	3,560	4	4	0.104	660
Other diseases ... ..	...	...	...	...	...	...	...	...	...
Totals	130	20	4,078	4,228	3,560	4	4	0.104	660

SUMMARY.

Scarlet	2,757	15,982	9,258	18,739	14,388	9,258	666	4.29	3,685
Diphtheria	551	4,508	659	5,059	3,486	659	948	21.20	725
Enteric	120	600	...	720	516	...	96	15.84	108
Typhus ... ..	...	9	...	9	6	...	2	25.00	1
Totals	3,428	21,099	9,917	24,527	18,296	9,917	1,712	8.33	4,519
Other diseases	72	1,174	6	1,246	1,090	6	109	1.19	47
Grand Totals	3,500	22,273	9,923	25,773	19,386	9,923	1,821	8.37	4,566

NOTES.—The mortalities returned as above include all deaths occurring from intercurrent diseases, particulars of which will be found in the Annual Reports of the Medical Superintendents.

The mortality rates are calculated according to the Registrar-General's Formula—i.e., by dividing the Deaths, multiplied by 100, by half the sum of the Admissions, Discharges, and Deaths for the year.

FEVER STATISTICS.—TABLE II.—*Showing the Monthly Admissions*

EASTERN HOSPITAL.													
MONTH.	ADMISSIONS.										DEATHS.	DISCHARGES.	
	Scarlet.		Diphtheria.		Enteric.		Typhus.	Other Diseases.		Total.		Re-covered.	To other Hospitals of Board.
	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.		Direct from Homes.	From other Hospitals of Board.				
Jan.	185	1	47	...	8	...	...	26	...	267	19	146	99
Feb.	125	...	51	...	4	...	...	29	...	209	25	145	70
Mar.	132	...	46	...	7	...	...	22	...	207	22	157	61
April	133	...	47	...	5	...	...	24	...	209	19	114	60
May	166	...	51	...	9	...	...	36	...	262	13	154	87
June	171	...	64	...	12	...	...	18	...	265	19	137	104
July	215	1	48	...	7	...	...	16	...	287	12	133	142
Aug.	206	...	50	...	18	...	...	24	...	298	23	124	148
Sept.	246	...	62	...	12	...	...	15	...	335	26	124	152
Oct.	222	...	57	...	13	...	...	16	...	308	20	109	168
Nov.	183	...	47	...	13	...	...	14	...	257	22	125	116
Dec.	191	...	60	...	8	...	...	13	...	272	15	153	120
Totals	2,175	2	630	...	116	...	...	253	...	3,176	235	1,621	1,327
NORTH-EASTERN HOSPITAL.													
Jan.	243	...	...	...	...	...	...	10	...	253	7	193	85
Feb.	220	...	...	...	...	...	...	7	...	227	7	109	86
Mar.	184	...	...	...	...	...	...	9	...	193	7	90	149
April	165	1	...	...	...	...	...	4	...	170	4	101	74
May	223	...	...	...	...	...	...	2	...	225	7	89	116
June	225	...	1	...	...	...	...	3	...	229	3	95	115
July	300	...	...	...	...	...	...	10	...	310	11	101	139
Aug.	327	...	...	...	...	...	...	5	...	332	4	112	130
Sept.	341	...	...	...	...	...	...	4	...	345	5	175	91
Oct.	291	...	1	...	...	...	...	9	...	301	9	183	122
Nov.	296	...	...	...	...	...	...	2	...	298	8	267	89
Dec.	193	...	1	...	...	...	...	5	...	199	10	184	75
Totals	3,008	1	3	...	...	...	...	70	...	3,082	82	1,699	1,271
NORTH-WESTERN HOSPITAL.													
Jan.	154	...	88	...	16	...	...	13	...	271	42	153	61
Feb.	114	...	56	...	3	...	...	12	...	185	39	114	68
Mar.	125	...	81	...	1	...	...	14	...	221	43	146	30
April	107	...	65	...	5	...	...	16	...	193	32	110	73
May	133	...	58	...	6	...	...	15	...	212	22	92	82
June	172	...	76	...	3	...	...	11	...	262	29	98	124
July	147	...	63	...	15	...	...	10	...	235	17	102	89
Aug.	270	...	52	...	11	...	...	22	...	355	18	100	167
Sept.	177	...	66	...	10	...	...	15	...	268	24	107	122
Oct.	262	...	71	...	13	...	...	10	...	356	23	158	121
Nov.	193	...	50	...	12	...	...	12	...	267	22	146	106
Dec.	156	...	86	...	11	...	...	4	...	257	42	193	39
Totals	2,010	...	812	...	106	...	...	154	...	3,082	353	1,519	1,082
WESTERN HOSPITAL.													
Jan.	211	...	61	...	10	...	...	19	...	301	38	76	214
Feb.	187	...	58	...	4	...	...	17	...	266	30	70	174
Mar.	189	...	78	...	8	...	...	18	...	293	27	77	168
April	147	...	39	...	7	...	...	24	...	217	24	57	147
May	155	...	87	...	6	...	...	24	...	272	32	85	130
June	169	...	85	...	2	...	...	25	...	281	18	120	159
July	159	...	57	...	9	...	...	13	...	238	29	101	116
Aug.	158	...	55	...	8	...	...	15	...	236	18	86	135
Sept.	188	...	55	...	6	...	...	9	...	258	12	79	158
Oct.	189	...	70	...	12	...	...	16	...	287	23	100	168
Nov.	208	...	77	...	6	...	...	6	...	297	19	97	169
Dec.	156	...	60	...	4	...	...	7	...	227	28	73	146
Totals	2,116	...	782	...	82	...	...	193	...	3,173	298	1,021	1,884

of various Diseases, with Discharges and Deaths from all causes during 1896.

SOUTH-WESTERN HOSPITAL.

MONTH.	ADMISSIONS.										DEATHS.	DISCHARGES.	
	Scarlet.		Diphtheria.		Enteric.		Typhus.	Other Diseases.		Total.		Re-covered.	To other Hospitals of Board.
	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.		Direct from Homes.	From other Hospitals of Board.				
Jan.	122	...	42	...	13	...	...	8	...	185	25	135	47
Feb.	137	...	37	...	4	...	...	22	...	200	15	113	58
Mar.	88	...	35	...	1	...	...	13	...	137	17	92	44
April	84	...	27	...	4	...	...	15	...	130	10	107	21
May	141	...	42	...	...	...	...	20	...	203	12	123	79
June	192	...	42	...	5	...	...	16	...	255	18	90	128
July	203	...	45	...	10	...	1	12	...	271	21	85	165
Aug.	198	1	39	...	16	...	...	11	...	265	23	87	127
Sept.	146	1	39	...	13	...	...	7	...	206	18	67	113
Oct.	153	...	49	...	11	...	...	10	...	223	15	123	92
Nov.	107	1	46	...	13	...	...	5	...	172	20	93	76
Dec.	98	...	37	...	7	...	...	10	...	152	12	123	26
Totals	1,669	3	480	...	97	...	1	149	...	2,399	206	1,238	976

FOUNTAIN HOSPITAL.

Jan.	185	...	81	...	...	...	...	7	...	273	34	112	144
Feb.	137	...	78	...	...	...	...	9	...	224	22	78	106
Mar.	116	...	76	...	...	...	...	14	...	206	32	120	105
April	114	...	55	...	...	...	...	17	...	186	11	104	130
May	198	...	32	...	...	...	...	11	...	241	20	91	117
June	250	...	93	...	...	...	...	11	...	354	18	78	194
July	201	...	67	...	...	...	...	4	...	272	26	95	160
Aug.	228	...	60	...	...	...	...	8	...	296	23	92	170
Sept.	215	...	78	...	...	...	...	11	...	304	15	124	136
Oct.	250	...	72	...	...	...	...	4	...	326	19	154	159
Nov.	159	...	67	...	...	...	...	7	...	233	22	128	87
Dec.	202	...	111	...	...	...	...	4	...	317	36	159	147
Totals	2,255	...	870	...	...	...	...	107	...	3,232	278	1,335	1,655

SOUTH-EASTERN HOSPITAL.

Jan.	149	...	48	...	9	...	...	13	...	219	23	112	104
Feb.	141	...	64	...	12	...	...	24	...	241	30	99	90
Mar.	148	...	57	...	8	...	...	13	...	226	27	99	147
April	146	...	66	...	10	...	...	17	...	239	25	88	98
May	126	...	65	...	3	...	...	20	...	214	26	99	107
June	174	...	56	...	13	...	6	15	...	264	23	71	147
July	137	...	64	1	14	...	1	20	...	237	19	121	139
Aug.	173	1	58	...	19	...	...	25	...	276	16	107	124
Sept.	162	...	44	...	18	...	...	21	...	245	23	98	89
Oct.	191	...	60	...	23	...	...	13	...	287	25	125	137
Nov.	147	...	69	...	17	...	1	12	...	246	25	120	104
Dec.	128	...	51	...	16	...	...	11	...	206	17	126	98
Totals	1,822	1	702	1	162	...	8	204	...	2,900	279	1,265	1,384

BROOK HOSPITAL.

Jan.	...	...	...	...	...	...	...	...	...	...	...	...	...
Feb.	...	...	...	...	...	...	...	...	...	...	...	...	...
Mar.	...	...	...	...	...	...	...	...	...	...	...	...	...
April	...	...	...	...	...	...	...	...	...	...	...	...	...
May	...	...	...	...	...	...	...	...	...	...	...	...	...
June	...	...	...	...	...	...	...	...	...	...	...	...	...
July	...	...	...	...	...	...	...	...	...	...	...	...	...
Aug.	40	...	4	...	...	...	...	...	...	44	...	...	...
Sept.	232	...	90	...	21	...	...	12	...	355	21	...	...
Oct.	249	...	35	...	1	...	...	17	...	302	14	61	86
Nov.	214	...	42	...	9	...	...	9	...	274	17	117	137
Dec.	170	...	58	...	6	...	...	6	...	240	22	116	114
Totals	905	...	229	...	37	...	...	44	...	1,215	74	294	337

FEVER STATISTICS.—TABLE II. (continued)—Showing the Monthly Admissions of various Diseases, with Discharges and Deaths from all causes during 1896.

NORTHERN HOSPITAL.													
MONTH.	ADMISSIONS.										DEATHS.	DISCHARGES.	
	Scarlet.		Diphtheria.		Enteric.		Typhus.	Other Diseases.		Total.		Re-covered.	To other Hospitals of Board
	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.	Direct from Homes.	From other Hospitals of Board.		Direct from Homes.	From other Hospitals of Board.				
Jan.	...	428	...	44	...	...	...	...	...	472	5	465	1
Feb.	...	386	...	71	...	...	...	...	...	457	...	443	...
March	...	390	...	68	...	...	...	...	...	458	1	486	...
April	...	321	...	58	...	...	...	...	...	379	1	476	...
May	...	383	...	46	...	...	...	...	...	429	1	427	...
June	...	448	...	80	...	...	...	...	...	528	...	479	...
July	2	453	...	50	...	...	...	...	...	505	...	434	2
Aug.	...	537	...	56	...	...	...	...	...	593	1	580	...
Sept.	...	504	...	19	...	...	...	...	...	523	1	499	...
Oct.	...	532	...	60	...	...	...	...	...	592	...	604	...
Nov.	...	444	...	60	...	...	...	...	...	504	...	509	...
Dec.	...	353	...	46	...	...	...	...	...	399	2	432	...
Totals	2	5,179	...	658	...	...	...	...	...	5,839	12	5,834	3
GORE FARM HOSPITAL.													
Jan.	..	282	...	...	...	...	...	...	...	282	...	85	...
Feb.	...	195	...	...	...	...	...	...	...	195	...	149	...
Mar.	...	246	...	...	...	...	...	...	...	246	...	234	...
April	...	223	...	...	...	...	...	...	...	223	...	235	...
May	...	289	...	...	...	...	...	...	...	289	...	214	...
June	20	443	...	...	...	...	...	...	...	463	...	310	...
July	...	455	...	...	...	...	...	...	...	455	1	332	...
Aug.	...	400	...	...	...	...	...	...	...	400	1	398	2
Sept.	...	338	...	...	...	...	...	...	...	338	...	323	1
Oct.	...	456	...	...	...	...	...	...	...	456	...	463	...
Nov.	...	385	...	...	...	...	...	...	...	385	...	374	1
Dec.	...	366	...	...	...	...	...	...	...	366	2	443	...
Totals	20	4,078	...	...	...	...	...	...	...	4,098	4	3,560	4
SUMMARY.													
Jan.	1,249	711	367	44	56	...	...	96	...	1,768	193	1,477	755
Feb.	1,061	581	344	71	27	...	...	120	...	1,552	168	1,320	652
March	982	636	373	68	25	...	...	108	...	1,483	176	1,501	704
April	896	545	299	58	31	...	...	117	...	1,343	126	1,392	603
May	1,142	672	335	46	24	...	...	128	...	1,629	133	1,374	718
June	1,373	891	417	80	35	...	6	99	...	1,930	128	1,478	971
July	1,364	909	344	51	55	...	2	85	...	1,850	136	1,504	952
Aug.	1,600	939	318	56	72	...	...	110	...	2,100	127	1,686	1,003
Sept.	1,707	843	434	19	80	...	...	94	...	2,315	145	1,596	862
Oct.	1,807	988	415	60	73	...	...	95	...	2,390	148	2,080	1,053
Nov.	1,507	830	398	60	70	...	1	67	...	2,043	155	1,976	885
Dec.	1,294	719	464	46	52	...	...	60	...	1,870	186	2,002	765
Grand Totals	15,982	*9,264	4,508	659	600	...	9	1,174	...	22,273	1,821	19,386	9,923

* Includes six cases of "other diseases."

FEVER STATISTICS.—TABLE IV.—Scarlet Fever

EASTERN HOSPITAL.				NORTH-EASTERN HOSPITAL.				SOUTH-WESTERN HOSPITAL.			
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.	
Under 1	12	3	5	3	17	4	13	2	19	2	32
1 to 2	41	6	29	5	70	10	48	8	55	4	103
2 to 3	89	9	64	10	153	17	93	9	121	6	214
3 to 4	119	5	84	9	203	9	125	4	145	9	270
4 to 5	132	8	109	6	241	9	113	3	146	6	259
5 to 10	445	11	450	7	895	21	536	11	632	10	1,168
10 to 15	220	2	203	...	423	4	332	4	314	...	646
15 to 20	42	...	44	...	86	1	97	1	80	1	177
20 to 25	21	1	26	3	47	4	26	...	45	...	71
25 to 30	11	...	14	...	25	...	15	...	21	...	36
30 to 35	4	...	3	...	7	...	9	...	10	...	19
35 to 40	2	...	1	...	3	...	3	...	5	...	8
40 to 45	2	...	1	...	3	...	1	...	2	...	2
45 to 50	...	...	...	...	2	...	1	...	1	...	2
50 to 55	2	...	...	...	2	...	1	...	...	...	1
55 to 60	...	...	...	...	...	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	...	...	...	...	...
Totals...	1,142	45	1,033	43	2,175	76	1,412	36	1,596	40	3,008
WESTERN HOSPITAL.				NORTH-WESTERN HOSPITAL.				SOUTH-WESTERN HOSPITAL.			
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.	
Under 1	7	1	5	1	12	3	15	2	8	1	23
1 to 2	31	3	37	5	68	8	45	11	36	9	81
2 to 3	61	5	86	11	147	16	54	8	67	14	121
3 to 4	119	9	103	15	222	24	106	9	105	4	211
4 to 5	110	11	114	5	224	16	88	7	114	4	202
5 to 10	313	8	508	13	821	21	331	10	563	7	894
10 to 15	91	2	232	1	323	3	115	3	235	1	350
15 to 20	27	...	61	1	88	1	34	...	85	2	119
20 to 25	12	...	27	...	39	...	21	...	40	1	61
25 to 30	11	...	25	...	36	...	5	...	27	...	32
30 to 35	4	...	7	...	11	...	3	...	6	...	9
35 to 40	3	...	6	...	9	...	...	...	3	...	3
40 to 45	1	...	7	...	8	...	2	...	3	...	5
45 to 50	...	...	...	...	...	...	1	...	2	...	3
50 to 55	...	...	...	...	1	...	...	...	2	...	2
55 to 60	...	...	...	...	1	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	...	...	...	...	...
Totals...	749	39	1,220	52	2,010	93	820	50	1,296	43	2,116
FOUNTAIN HOSPITAL.				WESTERN HOSPITAL.				SOUTH-WESTERN HOSPITAL.			
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.	
Under 1	14	4	6	1	20	5	14	4	5	1	20
1 to 2	35	5	31	9	66	14	45	11	36	9	81
2 to 3	58	6	60	5	118	22	54	8	67	14	121
3 to 4	93	11	92	15	185	13	106	9	105	4	211
4 to 5	113	8	95	5	208	17	88	7	114	4	202
5 to 10	471	13	470	8	941	17	331	10	563	7	894
10 to 15	244	4	220	2	464	4	115	3	235	1	350
15 to 20	65	2	62	...	127	2	34	...	85	2	119
20 to 25	36	1	29	...	65	1	21	...	40	1	61
25 to 30	13	...	20	...	33	...	5	...	27	...	32
30 to 35	6	...	5	...	11	...	3	...	6	...	9
35 to 40	2	...	7	...	9	...	...	...	3	...	3
40 to 45	...	...	1	...	1	...	2	...	3	...	5
45 to 50	1	...	...	...	1	...	1	...	2	...	3
50 to 55	...	...	1	...	1	...	...	...	2	...	2
55 to 60	...	...	...	...	...	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	...	...	...	...	...
Totals...	1,151	54	1,104	45	2,255	93	820	50	1,296	43	2,116

Admissions and Deaths at various Ages during 1896.

AGES.	MALES.		FEMALES.		TOTAL.		AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Under 1	10	...	7	1	...	...	Under 1	...	...	...	...	...	...
1 to 2	27	7	33	3	...	10	1 to 2	...	...	...	...	...	...
2 to 3	64	11	49	6	...	17	2 to 3	...	...	...	...	...	...
3 to 4	83	18	60	6	...	24	3 to 4	...	...	...	...	...	...
4 to 5	86	8	93	3	...	11	4 to 5	...	...	...	...	...	...
5 to 10	384	7	359	7	...	14	5 to 10	...	...	...	...	...	...
10 to 15	208	3	159	1	...	4	10 to 15	...	...	...	...	...	...
15 to 20	74	4	48	...	...	4	15 to 20	...	...	...	...	...	...
20 to 25	18	...	17	...	...	...	20 to 25	...	...	...	...	...	...
25 to 30	11	...	12	...	...	...	25 to 30	...	...	...	...	...	...
30 to 35	4	...	8	...	...	...	30 to 35	...	...	...	...	...	...
35 to 40	2	...	...	...	...	...	35 to 40	...	...	...	...	...	...
40 to 45	2	...	...	...	...	...	40 to 45	...	...	...	...	...	...
45 to 50	1	...	...	...	...	...	45 to 50	...	...	...	...	...	...
50 to 55	...	...	...	...	...	...	50 to 55	...	...	...	...	...	...
55 to 60	...	...	...	...	...	...	55 to 60	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	And upwards	...	...	...	...	...	...
Totals...	974	58	848	27	1,822	85	Totals...	20	2	...	2	20	4

SUMMARY.

NORTHERN HOSPITAL.

AGES.	MALES.		FEMALES.		TOTAL.		AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Under 1	Under 1	...	...	...	...	...	...
1 to 2	1 to 2	...	...	...	...	...	...
2 to 3	2 to 3	...	...	...	...	...	...
3 to 4	3 to 4	...	...	...	...	...	...
4 to 5	4 to 5	...	...	...	...	...	...
5 to 10	5 to 10	...	...	...	...	...	...
10 to 15	10 to 15	...	...	...	...	...	...
15 to 20	15 to 20	...	...	...	...	...	...
20 to 25	20 to 25	...	...	...	...	...	...
25 to 30	25 to 30	...	...	...	...	...	...
30 to 35	30 to 35	...	...	...	...	...	...
35 to 40	35 to 40	...	...	...	...	...	...
40 to 45	40 to 45	...	...	...	...	...	...
45 to 50	45 to 50	...	...	...	...	...	...
50 to 55	50 to 55	...	...	...	...	...	...
55 to 60	55 to 60	...	...	...	...	...	...
And upwards	And upwards	...	...	...	...	...	...
Totals	Totals	334	332	7,715	8,267	666	4.2

FEVER STATISTICS.—TABLE V.—Diphtheria

EASTERN HOSPITAL.				NORTH-WESTERN HOSPITAL.				SOUTH-WESTERN HOSPITAL.						
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.			
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.				
Under 1	5	1	3	1	2	Under 1	7	3	3	10	3			
1 to 2	28	7	12	4	11	1 to 2	6	4	12	18	7			
2 to 3	32	11	22	3	14	2 to 3	14	3	9	23	6			
3 to 4	61	15	28	6	21	3 to 4	21	5	14	35	9			
4 to 5	39	7	41	11	18	4 to 5	20	5	21	41	7			
5 to 10	107	17	131	22	39	5 to 10	123	17	103	225	41			
10 to 15	43	3	34	2	5	10 to 15	38	4	39	77	5			
15 to 20	2	...	8	...	...	15 to 20	10	...	9	19	1	
20 to 25	8	...	7	...	...	20 to 25	6	...	5	11	...	
25 to 30	2	...	11	...	...	25 to 30	5	...	4	9	...	
30 to 35	1	...	4	...	...	30 to 35	...	...	6	6	...
35 to 40	1	...	3	...	...	35 to 40	...	...	1	1	...
40 to 45	...	...	...	...	...	40 to 45	...	...	...	...	...
45 to 50	...	...	1	...	...	45 to 50	2	...	1	3	...
50 to 55	1	...	...	...	...	50 to 55	...	...	...	...	...
55 to 60	...	...	...	...	...	55 to 60	...	...	...	...	...
And upwards	...	...	...	...	...	And upwards	...	...	...	...	...
Totals	325	61	305	49	110	Totals	252	42	228	480	79			
NORTH-EASTERN HOSPITAL.					WESTERN HOSPITAL.					FOUNTAIN HOSPITAL.				
Under 1	Under 1	4	4	3	3	7	7		
1 to 2	1 to 2	20	7	20	12	40	19		
2 to 3	2 to 3	27	10	36	8	63	18		
3 to 4	3 to 4	58	18	50	14	108	32		
4 to 5	1	1	1	...	1	4 to 5	50	15	62	11	112	26		
5 to 10	1	1	1	5 to 10	150	18	202	39	352	57		
10 to 15	10 to 15	36	2	72	7	108	9		
15 to 20	15 to 20	5	...	22	1	27	1		
20 to 25	20 to 25	7	...	13	1	20	1		
25 to 30	25 to 30	5	...	6	...	11	...		
30 to 35	30 to 35	5	...	10	...	15	...		
35 to 40	35 to 40	1	...	4	...	5	...		
40 to 45	40 to 45	2	...	2	...		
45 to 50	45 to 50		
50 to 55	50 to 55		
55 to 60	55 to 60		
And upwards	And upwards		
Totals	2	2	1	...	3	Totals	368	75	502	97	870	172		

Admissions and Deaths at various ages during 1896.

AGES.	MALES.		FEMALES.		TOTAL.		AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Under 1	...	7	9	6	18	13	Under 1	2	...	1	...	3	...
1 to 2	...	5	22	8	44	13	1 to 2	9	4	7	2	16	6
2 to 3	...	10	38	12	72	22	2 to 3	12	2	6	...	18	2
3 to 4	...	11	41	11	86	22	3 to 4	15	2	14	...	29	4
4 to 5	...	5	46	11	102	16	4 to 5	14	4	16	3	30	7
5 to 10	...	17	109	22	245	39	5 to 10	50	12	47	5	97	17
10 to 15	...	4	26	5	72	9	10 to 15	8	...	15	2	23	2
15 to 20	...	1	11	2	27	3	15 to 20	...	...	4	...	4	...
20 to 25	1	16	1	20 to 25	1	...	2	...	3	...
25 to 30	5	...	11	...	25 to 30	...	...	2	...	2	...
30 to 35	1	...	4	...	30 to 35	1	...	3	...	4	...
35 to 40	3	...	35 to 40	...	...	...	...	...	...
40 to 45	1	...	1	...	40 to 45	...	...	...	...	...	...
45 to 50	1	...	1	...	45 to 50	...	...	...	...	...	...
50 to 55	50 to 55	...	...	...	...	...	...
55 to 60	55 to 60	...	...	...	...	...	...
And upwards	And upwards	...	...	...	...	...	...
Totals	312	60	390	78	702	138	Totals	112	24	117	14	229	38

SUMMARY.

AGES.	MALES.		FEMALES.		TOTAL.		AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Under 1	43	21	32	18	75	39	Under 1	...	...	...	...	...	...
1 to 2	121	56	119	55	240	111	1 to 2	...	...	...	...	...	...
2 to 3	208	70	196	56	404	126	2 to 3	...	...	...	...	...	...
3 to 4	291	73	256	67	547	140	3 to 4	...	...	...	...	...	...
4 to 5	284	71	327	83	611	154	4 to 5	...	...	...	...	...	...
5 to 10	761	133	957	189	1,718	322	5 to 10	...	...	...	...	...	...
10 to 15	205	20	305	23	510	43	10 to 15	...	...	...	...	...	...
15 to 20	44	3	98	5	137	8	15 to 20	...	...	...	...	...	...
20 to 25	34	...	67	2	101	2	20 to 25	...	...	...	...	...	...
25 to 30	19	1	59	...	78	1	25 to 30	...	...	...	...	...	...
30 to 35	11	...	37	...	48	...	30 to 35	...	...	...	...	...	...
35 to 40	4	...	17	...	21	...	35 to 40	...	...	...	...	...	...
40 to 45	2	...	7	1	9	1	40 to 45	...	...	...	...	...	...
45 to 50	3	...	3	...	6	...	45 to 50	...	...	...	...	...	...
50 to 55	1	...	1	...	2	...	50 to 55	...	...	...	...	...	...
55 to 60	...	...	...	...	...	...	55 to 60	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	And upwards	...	...	...	...	...	...
Grand Totals	2,031	449	2,477	499	4,508	948	Grand Totals	4,508	948	21.0	21.0	21.0	

FEVER STATISTICS.—TABLE VI.—*Enteric Fever*

EASTERN HOSPITAL.						NORTH-WESTERN HOSPITAL.					
AGES,	MALES.		FEMALES.		TOTAL.	AGES,	MALES.		FEMALES.		TOTAL.
	Admitted.	Died.	Admitted.	Died.	Admitted.		Died.	Admitted.	Died.	Admitted.	Died.
Under 5	2	...	...	...	2	...	1	...	...	...	...
5 to 10	7	...	7	1	14	...	7	...	...	...	1
10 to 15	12	1	11	...	23	...	13	1	...	...	14
15 to 20	18	6	8	1	26	...	10	1	...	...	23
20 to 25	8	2	8	1	16	...	6	1	...	...	16
25 to 30	7	2	10	1	17	...	3	2	...	...	9
30 to 35	5	...	3	1	8	...	13	...	...	...	22
35 to 40	3	1	3	...	6	1	...	...	14
40 to 45	1	...	2	1	3	...	3	...	...	...	3
45 to 50	3	1	...	1	3	...	2	1	...	...	4
50 to 55	1	...	1	...	...	...	...	...	...
55 to 60
And upwards
Totals	63	12	53	7	116	Totals	49	5	57	6	106
EASTERN HOSPITAL.						WESTERN HOSPITAL.					
Under 5
5 to 10	6	...	...	...	1
10 to 15	10	...	...	...	11
15 to 20	8	...	...	...	15
20 to 25	9	2	...	...	15
25 to 30	2	...	...	...	16
30 to 35	6	...	...	...	5
35 to 40	2	1	...	...	9
40 to 45	6
45 to 50	1
50 to 55	1
55 to 60	2
And upwards
Totals	Totals	43	3	39	8	82
EASTERN HOSPITAL.						WESTERN HOSPITAL.					
Under 5
5 to 10
10 to 15
15 to 20
20 to 25
25 to 30
30 to 35
35 to 40
40 to 45
45 to 50
50 to 55
55 to 60
And upwards
Totals	Totals	43	3	39	8	82
EASTERN HOSPITAL.						WESTERN HOSPITAL.					
Under 5
5 to 10
10 to 15
15 to 20
20 to 25
25 to 30
30 to 35
35 to 40
40 to 45
45 to 50
50 to 55
55 to 60
And upwards
Totals	Totals	43	3	39	8	82

Admissions and Deaths at various ages during 1896.

SOUTH-WESTERN HOSPITAL.					SOUTH-EASTERN HOSPITAL.					BROOK HOSPITAL.										
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.			
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Admitted.	Died.
Under 5	...	...	2	...	...	Under 5	3	...	1	...	4	...	1	...	...	...	1
5 to 10	4	...	2	...	...	5 to 10	15	4	10	1	25	5 to 10	3	1	...	...	7
10 to 15	10	6	16	1	7	10 to 15	21	2	16	3	37	10 to 15	3	...	...	...	7
15 to 20	3	1	12	1	2	15 to 20	21	3	13	3	34	15 to 20	2	...	...	...	7
20 to 25	7	2	10	4	6	20 to 25	11	2	11	2	22	20 to 25	4	1	...	...	4	
25 to 30	12	2	17	...	2	25 to 30	9	2	5	2	14	25 to 30	7	1	...	...	2	
30 to 35	4	1	7	1	2	30 to 35	7	1	2	1	9	30 to 35	2	...	...	...	2
35 to 40	3	1	3	...	1	35 to 40	3	1	2	1	5	35 to 40	1	...	...	...	1
40 to 45	1	...	3	...	...	40 to 45	5	...	2	...	7	40 to 45	...	...	...	...	...
45 to 50	3	...	3	1	1	45 to 50	1	1	2	...	3	45 to 50	...	...	...	...	...
50 to 55	...	...	1	...	...	50 to 55	1	1	1	...	2	50 to 55	...	...	...	...	...
55 to 60	...	...	...	...	...	55 to 60	...	...	...	...	...	55 to 60	...	...	...	...	...
And upwards	...	...	...	...	...	And upwards	...	...	...	...	...	And upwards	...	...	...	...	...
Totals	47	13	50	8	97	21	Totals	97	17	65	12	162	29	Totals	23	4	14	1	37	5

FOUNTAIN HOSPITAL.					SUMMARY.													
AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.	AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.			Admitted.	Died.	Admitted.	Died.		Admitted.	Died.	Mortality per cent.	Combined Mortality per cent.
Under 5	Under 5	7	...	4	...	4	...	11	...	...	...	...	...
5 to 10	5 to 10	42	5	35	...	35	5 to 10	35	3	8.57	...	...	...
10 to 15	10 to 15	66	19	55	...	55	10 to 15	66	6	10.90	...	...	...
15 to 20	15 to 20	58	11	47	...	47	15 to 20	58	8	15.38	...	...	...
20 to 25	20 to 25	45	10	35	...	35	20 to 25	45	10	24.39	...	...	...
25 to 30	25 to 30	46	9	37	...	37	25 to 30	46	4	16.52	...	...	...
30 to 35	30 to 35	32	2	30	...	30	30 to 35	32	5	23.80	...	...	...
35 to 40	35 to 40	9	4	13	...	13	35 to 40	9	3	20.00	...	...	...
40 to 45	40 to 45	9	...	9	...	9	40 to 45	9	2	22.22	...	...	...
45 to 50	45 to 50	7	1	8	...	8	45 to 50	7	1	33.33	...	...	...
50 to 55	50 to 55	1	...	1	...	1	50 to 55	...	...	...	...	...	...
55 to 60	55 to 60	...	...	...	...	...	55 to 60	...	...	...	...	...	...
And upwards	And upwards	...	...	...	...	...	And upwards	...	...	...	...	...	...
Totals	Totals	322	54	278	...	278	Totals	600	96	15.10	...	...	...
Grand Totals	Grand Totals	322	54	278	...	278	Grand Totals	600	96	15.10	...	...	...

FEVER STATISTICS.—TABLE VII.—*Typhus Fever Admissions and Deaths at various ages during 1896.*

AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
SOUTH-WESTERN AND SOUTH-EASTERN HOSPITALS.						
Under 5 ... ..	...	...	...	...	...	...
5 to 10	2	...	...	...	2	...
10 to 15	1	1	...	...	1	1
15 to 20	2	...	1	...	3	...
20 to 25 ... ..	...	...	...	...	...	...
25 to 30 ... ..	...	...	...	...	...	...
30 to 35 ... ..	...	...	...	...	...	...
35 to 40 ... ..	...	...	...	...	...	...
40 to 45 ... ..	...	...	...	...	...	...
45 to 50	1	...	1	...	2	...
50 to 55 .. ...	...	...	...	...	...	...
55 to 60 ... ..	..	...	...	...	...	...
And upwards	1	1	...	...	1	1
Totals	7	2	2	...	9	2

IN SENATE

REPORT OF THE COMMISSIONERS OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE
MAY 15, 1890

No.	Name of the Land	Area in Acres	Remarks
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
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67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

FEVER STATISTICS.—TABLE VIII.—*Details of*

Diseases as certified on admission.	Number of Cases.	Disease as diagnosed after admission.	EASTERN HOSPITAL.		NORTH-EASTERN HOSPITAL.	
			No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
Scarlet Fever	266	GENERAL DISEASES.				
		<i>Specific Febrile.</i>				
		Chickenpox	1	...	2	...
		Influenza	1	...	...	...
		Measles	11	1	8	1
		Whooping-cough	1	...	...	...
		Erysipelas ... ..	...	...	1	1
		Enteric Fever ... ..	...	...	...	...
		Mumps ... ..	...	...	...	...
		Syphilis ... ..	...	...	1	...
		Gonorrhœa ... ..	...	...	1	...
		Rötheln	4	...	...	...
		Tuberculosis ... ..	...	...	1	1
		<i>Not classified.</i>				
		Rickets ... ..	...	...	1	...
		Tetanus ... ..	...	...	...	...
		LOCAL DISEASES.				
		<i>Nervous System.</i>				
		Chorea ... ..	...	...	1	...
		<i>Circulatory System.</i>				
		Pericarditis ... ..	...	...	...	...
		Endocarditis ... ..	...	...	...	...
		<i>Respiratory System.</i>				
		Bronchitis	2	...	...	...
		Phthisis	1	...	...	...
		Pneumonia, Lobar	2	...	1	...
		" Lobular	2	1	...	...
		Tuberculosis (Pulmonalis) ... ..	...	...	...	...
		Coryza ... ..	...	...	...	...
		Catarrh ... ..	...	...	...	...
		Laryngitis ... ..	...	...	1	...
		<i>Digestive System.</i>				
		Enteritis	1	...	...	...
		Tonsillitis	14	...	14	...
		Pharyngitis ... ..	...	...	1	...
Stomatitis ... ..	...	...	1	...		
Dysentery, Chronic ... ..	...	...	1	...		
Jaundice ... ..	...	...	...	...
<i>Urinary System.</i>						
Nephritis	2	1	3	1		
<i>Skin Diseases.</i>						
Eczema	3	...	...	...
Erythema... ..	9	...	...	...
Herpes Facialis ... ..	...	...	1	...		
Psoriasis ... ..	...	...	...	...
Drug Rash ... ..	...	...	...	...
Impetigo Contagiosa ... ..	...	...	...	...
Pityriasis Rubra ... ..	...	...	...	...
Dermatitis ... ..	..	...	...	...
<i>Local Injuries.</i>						
Scalds	1	1	...	...
Injury to Hip-joint... ..	1	...	...	...
Burn... ..	...	...	...	...
Carried forward ...	266	...	56	4	39	4

Miscellaneous Diseases admitted during 1896.

NORTH-WESTERN HOSPITAL.		WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITAL.		FOUNTAIN HOSPITAL.		SOUTH-EASTERN HOSPITAL.		BROOK HOSPITAL.		SUMMARY.	
No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
3	...	1	...	...	...	...	...	1	...	...	...	8	...
...	1	...
2	...	17	3	19	3	6	2	10	2	1	...	74	12
...	1	...	...	...	2	...	4	...
...	1	...	...	...	...	...	1	1
...	1	...	...	...	...	...	1	...
...	1	1	...	...	1	...	3	1
...	1	...
2	...	2	...	...	...	...	...	...	...	...	...	8	...
...	1	1
...	1	...	2	...
...	1	1	...	...	...	...	...	...	1	1
...	1	...
...	1	...
1	1	...
...	...	1	...	...	...	...	...	2	...	...	...	3	...
1	...	1	...	...	...	1	...	...	...	...	...	5	...
...	1	...
...	...	6	2	1	...	...	...	...	...	...	...	10	2
1	1	...	...	1	...	...	...	...	...	...	...	4	2
...	...	1	...	...	...	...	...	...	...	...	...	1	...
...	2	...	...	...	...	...	...	...	2	...
...	2	...	...	...	2	...
...	1	...
...	1	...
8	...	4	...	9	...	...	...	7	...	2	...	58	...
...	1	...
...	1	...
...	1	...	...	...	1	...
...	1	1	...	...	6	3
3	6	...
6	...	1	...	7	...	21	...	1	...	...	...	45	...
...	1	...
1	1	...	...	...	...	...	...	...	1	...
...	1	...	...	...	...	...	...	...	1	...
...	1	1	...	...	...	...	...	...	1	1
...	1	...	...	...	...	...	1	...
...	1	1
...	1	...
1	1	...	...	...	...	...	...	...	...	...	...	1	1
29	2	34	5	43	5	32	3	26	3	7	...	266	26

FEVER STATISTICS.—TABLE VIII. (continued)—Details

Diseases as certified on admission.	Number of Cases.	Disease as diagnosed after admission.	EASTERN HOSPITAL.		NORTH-EASTERN HOSPITAL.	
			No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
Brought forward ...	266	... ..	56	4	39	4
Scarlet Fever (continued)	90	<i>Not Classified.</i>				
		Abscesses	1	...	...	...
		No obvious disease	23	...	26	...
		Excision of Glands... ..	...	...	1	...
		Mastoid Disease ... ..	...	...	1	...
		Marasmus... ..	...	...	...	...
		Dentition ... ..	...	...	...	...
		Morbus Coxæ ... ..	...	...	...	...
Otitis... ..	...	...	...	1	...	
Diphtheria	356		80	4	68	4
Diphtheria	562	GENERAL DISEASES.				
		<i>Specific Febrile.</i>				
		Chickenpox	1	...	...	...
		Influenza	2	...	...	...
		Measles	5	...	...	...
		Tuberculosis, Acute	1	1	...	...
		Whooping-cough	2	2	...	...
		Febricula ... ..	...	...	...	...
		Syphilis ... ..	...	...	...	...
		Mumps ... ..	...	...	...	...
		Enteric Fever ... ..	...	...	...	...
		<i>Not classified.</i>				
		Rheumatism	1	...	...	...
		Ophthalmia ... ..	...	...	...	...
		Anæmia ... ..	...	...	...	...
		LOCAL DISEASES.				
		<i>Nervous System.</i>				
		Meningitis	1	1	...	...
		<i>Respiratory System.</i>				
		Bronchitis	1	...	...	...
		Coryza	2	...	...	...
		Laryngitis	2	...	...	...
		Pneumonia, Lobar	1	...	...	...
		" Lobular ... ..	...	...	...	...
		Broncho-Pneumonia ... ..	...	...	...	...
		<i>Digestive System.</i>				
		Stomatitis	4	...	...	...
		Tonsillitis	97	...	...	...
		Pharyngitis ... ..	...	...	...	...
		<i>Urinary System.</i>				
		Nephritis	1	...	...	...
		<i>Lymphatic System.</i>				
Cervical Lymphadinitis... ..	1	...	...	...
<i>Unclassified.</i>						
No obvious disease	6	...	...	...
Periostitis of Jaw ... ..	...	...	...	...
Hodgkin's Disease ... ..	...	...	...	...
<i>Local Injuries.</i>						
General Bruising ... ..	...	...	...	...
	562		128	4	...	...
Carried forward ...	918	... ..	208	8	68	4

of Miscellaneous Diseases admitted during 1896.

NORTH-WESTERN HOSPITAL.		WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITAL.		FOUNTAIN HOSPITAL.		SOUTH-EASTERN HOSPITAL.		BROOK HOSPITAL.		SUMMARY.	
No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
29	2	34	5	43	5	32	3	26	3	7	...	266	26
...	1	...
16	...	1	...	...	...	...	...	14	...	1	...	81	...
...	1	...
1	1	...
2	2	...
...	1	...	1	...
...	1	...	...	...	2	...
48	2	35	5	43	5	32	3	41	3	9	...	356	26
...	1	...	...	...	...	...	2	...
...	2	...
3	...	11	5	2	1	6	2	6	2	...	...	33	10
...	1	1	...	...	...	...	...	...	2	2
...	...	2	...	...	...	...	...	1	...	...	...	5	2
1	1	...
2	...	5	...	3	...	...	...	1	...	...	...	11	...
...	...	1	...	...	...	...	...	...	...	...	...	1	...
...	4	...	...	...	...	...	4	...
...	1	...
1	1	...
...	...	1	...	...	...	...	...	...	...	...	...	1	...
1	1	1	1	...	...	...	...	...	...	...	...	3	3
...	...	2	...	...	...	...	...	...	...	...	...	3	...
...	2	...
...	3	...	...	...	5	...
1	...	3	1	...	...	1	...	...	...	...	...	6	1
1	1	...	...	2	1	...	...	2	1	...	...	5	3
...	3	2	...	...	...	...	3	2
...	...	1	1	...	...	1	...	1	...	...	...	7	1
44	...	103	3	83	...	59	...	45	...	16	...	447	3
1	1	...
...	...	2	2	...	...	...	...	1	1	...	...	4	3
...	1	...
...	1	...	7	...
...	...	1	...	...	...	...	...	1	...	...	...	2	...
...	1	1	...	...	1	1
...	1	...	1	...
55	2	133	13	91	3	75	4	62	5	18	...	562	31
103	4	168	18	134	8	107	7	103	8	27	...	918	57

FEVER STATISTICS—TABLE VIII. (continued)—Details

Diseases as certified on admission.	Number of Cases.	Disease as diagnosed after admission.	EASTERN HOSPITAL.		NORTH-EASTERN HOSPITAL.	
			No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
Brought forward ...	918	... ..	208	8	68	4
Enteric Fever	194	GENERAL DISEASES.				
		<i>Specific Febrile.</i>				
		Febricula	1	...	...	...
		Influenza	1	...	...	...
		Tuberculosis, Acute	1	1	...	...
		Pyæmia	1	1	...	...
		Measles ... ..	...	...	...	...
		Erysipelas ... ..	...	...	...	...
		Whooping-cough ... ..	...	...	...	...
		Malaria ... ..	...	...	...	...
		Rheumatic Fever ... ..	...	...	...	...
		Dysentery... ..	...	...	...	...
		<i>Not classified.</i>				
		Anæmia	1	...	...	...
		Tuberculosis ... ..	...	...	...	...
		Rheumatism ... ..	...	...	...	...
		Rickets ... ..	...	...	...	...
		LOCAL DISEASES.				
		<i>Nervous System.</i>				
		Meningitis ... ..	...	...	...	...
		„ Tubercular ... ..	...	...	...	...
		Cerebral Hæmorrhage ... ..	...	...	...	...
		Acute Mania ... ..	...	...	...	...
		Dementia ... ..	...	...	...	...
		<i>Circulatory System.</i>				
		Endocarditis, Malignant	1	1	...	...
		Aneurism ... ..	...	...	...	...
		Morbus Cordis... ..	...	...	...	...
		<i>Respiratory System.</i>				
		Bronchitis	1	...	...	...
		Hæmoptysis	1	...	...	...
		Pleurisy	2	...	...	...
		Pneumonia, Lobar	20	5	...	...
		„ Lobular ... ..	...	...	...	...
		Empyema ... ..	...	...	...	...
		Tuberculosis Pulmonalis	1	...	...	...
		Cancer of Lung ... ..	...	...	...	...
		<i>Digestive System.</i>				
	Cirrhosis of Liver	1	...	...	...
	Constipation	2	...	...	...
	Jaundice (Malignant)	1	1	...	...
	Peritonitis	1	...	...	...
	Perityphlitis	2	...	...	...
	Gastritis ... ..	...	...	...	...
	Appendicitis ... ..	...	...	...	...
	Tonsillitis... ..	...	...	...	...
	Tuberculosis Intestinalis ... ..	...	...	...	...
	Gastro Enteritis ... ..	...	...	...	...
	Diarrhœa ... ..	...	...	...	...
	Pelvic Peritonitis ... ..	...	...	...	...
	Carcinoma Pylori ... ..	...	...	...	...
	Gastralgia ... ..	...	...	...	...
	Dyspepsia ... ..	...	...	...	...
	Colitis, Ulcerative ... ..	...	...	...	...
	194	Carried forward	38	9	...	...
Carried forward... ..	1,112	... ..	246	17	68	4

of Miscellaneous Diseases admitted during 1896.

NORTH-WESTERN HOSPITAL.		WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITAL.		FOUNTAIN HOSPITAL.		SOUTH-EASTERN HOSPITAL.		BROOK HOSPITAL.		SUMMARY.	
No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
103	4	168	18	134	8	107	7	103	8	27	...	918	57
2	...	...	...	...	...	...	...	2	...	...	...	5	...
1	...	1	1	...	...	...	...	4	...	1	...	8	1
...	...	...	...	1	1	...	...	4	4	..	...	6	6
...	...	...	...	...	...	...	...	1	...	1	...	3	1
...	...	1	...	...	...	...	...	...	...	1	1	2	1
...	...	...	...	1	...	...	...	...	...	..	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	3	...	...	...	3	...
...	...	...	...	...	...	...	...	1	1	...	...	1	1
1	...	1	...	...	...	...	...	...	...	...	...	3	...
4	1	...	...	...	...	...	...	...	...	...	...	4	1
2	...	...	...	...	...	...	...	...	...	...	...	2	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
1	1	...	...	...	...	...	...	3	2	...	...	4	3
...	...	...	...	2	2	...	...	2	2	...	...	4	4
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	...	...	1	...	1	...
...	...	1	1	1	1	...	...	3	1	...	...	6	4
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	...	...	2	1	2	1
2	...	1	...	...	...	...	...	6	...	2	...	12	...
2	...	1	...	...	...	...	...	1	..	1	...	1	...
7	...	5	1	1	...	...	...	12	1	1	...	46	7
1	1	...	...	...	...	...	...	...	...	1	...	2	1
1	...	1	...	...	...	...	...	...	...	...	...	2	...
1	...	2	...	1	1	...	...	5	1	...	...	10	2
...	1*	...	...	...	...	...	...	...	...	...	...	...	1
2	1	...	...	...	...	...	...	...	...	...	...	3	1
11	...	...	...	...	...	...	...	...	...	...	...	13	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	...	...	2	...	...	...	3	...
...	...	...	...	...	...	...	...	2	...	1	...	5	...
2	1	...	...	...	...	...	...	3	...	...	...	5	1
2	2	4	2	2	1	...	...	1	1	...	...	9	6
1	...	...	...	1	...	...	...	2	...	...	...	4	...
...	...	1	1	...	...	...	...	...	...	...	...	1	1
...	...	...	...	1	...	...	...	1	...	...	...	2	...
...	...	...	...	1	...	...	...	...	...	...	...	1	...
...	...	...	...	1	...	...	...	...	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	1	...
...	...	...	...	...	...	...	...	2	...	...	...	2	...
...	...	...	...	...	...	...	...	1	1	...	...	1	1
43	8	19	6	13	6	...	...	69	14	12	2	194	45
146	12	187	24	147	14	107	7	172	22	39	2	1,112	102

FEVER STATISTICS.—TABLE VIII. (continued)—Details

Diseases as certified on admission.	Number of Cases.	Disease as diagnosed after admission.	EASTERN HOSPITAL.		NORTH-EASTERN HOSPITAL.	
			No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
Brought forward ...	1,112	... ..	246	17	68	4
Brought forward— Enteric Fever } ...	194	... ..	38	9	...	...
Enteric Fever (contd.) ...	48	<i>Digestive System (continued)</i>				
		Colic... ..	...	...	...	...
		Enteritis ... ..	...	...	...	...
		Peritonitis, Tubercular... ..	...	...	...	...
		Hepatic Abscess ... ..	...	...	...	...
		Abdominal Abscess ... ..	...	...	...	...
		Tympanitis ... ..	...	...	...	...
		<i>Urinary System.</i>				
		Nephritis	2	1	...	...
		Surgical Kidney ... ..	...	...	...	...
		Addison's Disease ... ..	...	...	...	...
		Nephrolithiasis ... ..	...	...	...	...
		<i>Generative System.</i>				
		Pelvic Cellulitis ... ..	...	...	...	...
		Endometritis ... ..	...	...	...	...
	Dysmenorrhœa ... ..	...	...	...	...
	Pregnancy ... ..	...	...	...	...
	Carcinoma of Ovary ... ..	...	...	...	...
	Ovarian Cyst ... ..	...	...	...	...
	<i>Lymphatic System.</i>					
	Cervical Lymphadinitis... ..	1	...	...	...
	<i>Not Classified.</i>					
	No obvious disease... ..	2	...	...	...
	Otitis ... ..	...	...	...	...
Scarlet Fever and Diphtheria... ..	242		43	10	...	...
... ..	1	Measles ... ..	...	...	...	...
... ..	1		...	...	...	...
Remittent Fever	1	Bronchitis ... ..	...	...	...	...
... ..	1		...	...	...	...
Continued Fever	1	No obvious disease .. ..	...	...	...	...
... ..	1		...	...	...	...
Uncertified	11	Came in with Mother	2	...	2	...
... ..		Born in hospital ... ..	...	...	...	...
... ..		Measles ... ..	...	...	...	...
... ..	11		2	...	2	...
GRAND TOTALS ...	1,174	... ..	253	18	70	4

of Miscellaneous Diseases admitted during 1896.

NORTH-WESTERN HOSPITAL.		WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITAL.		FOUNTAIN HOSPITAL.		SOUTH-EASTERN HOSPITAL.		BROOK HOSPITAL.		SUMMARY.	
No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.	No. of Cases.	No. of Deaths.
146	12	187	24	147	14	107	7	172	22	39	2	1,112	102
43	8	19	6	13	6	...	...	69	14	12	2	194	45
...	1	...	...	...	1	...
...	...	1	...	...	...	...	...	12	...	...	...	13	...
...	3	1	2	...	5	1
...	1	...	...	...	1	...
...	1	...	...	...	1	...
...	1	...	1	...	2	...
...	2	1	...	...	4	2
1	1	...	...	...	...	...	...	...	...	...	...	1	1
...	...	1	...	...	...	...	...	1	1	...	...	2	1
...	...	1	...	...	...	...	...	...	...	...	...	1	..
...	1	...	...	...	1	...
...	1	...	...	...	1	...
...	1	...	...	...	1	...
1	1	...	...	...	...	...	...	...	...	...	...	1	1
1	1	...
...	1	...
2	...	1	...	...	...	...	...	1	...	2	...	8	...
...	2	1	...	...	2	1
48	10	23	6	13	6	...	...	98	18	17	2	242	52
...	...	1	...	...	...	...	...	...	...	...	...	1	...
...	...	1	...	...	...	...	...	...	...	...	...	1	...
...	1	...	...	...	1	...
...	1	...	...	...	1	...
...	1	...	...	...	1	...
1	2	...	...	...	1	...	...	...	8	...
1	...	1	...	...	...	...	...	...	...	...	...	2	...
1	1	...
3	...	1	...	2	...	...	...	1	...	...	...	11	...
154	14	193	24	149	14	107	7	204	26	44	2	1,174	109

iii. REPORTS OF THE MEDICAL OFFICERS OF THE RIVER AMBULANCE SERVICE AND OF THE MEDICAL SUPERINTENDENT OF THE SMALLPOX HOSPITAL SHIPS FOR THE YEAR 1896.

No. 1.

RIVER AMBULANCE SERVICE.

SOUTH WHARF,

ROTHERHITHE,

January, 1897.

	*	*	*	*	*	
Statistics.	During this year 265 cases were sent to the wharf. Of these, there were—					
	Sent to hospital ships direct, suffering from smallpox	...				169
	Not suffering from smallpox	...	...	...	...	4
						173
	Sent after detention	...	...	...	...	15
						188

The four cases sent to the hospital ships, though not suffering from smallpox, were infants sent with their mothers.

Of the remaining 77 cases, there were sent home direct...	...	39
Sent home after detention...	...	36
Died in shelters	...	2
		77

Of the cases sent home after detention, two had suffered from smallpox.

Of those that died in the shelters, one died from hæmorrhagic smallpox, and one from measles and pneumonia.

I append the usual tables of deaths and discharges, and of the non-smallpox cases sent home direct or after detention.

Of the non-smallpox cases there were sent home direct...	...	39
Sent after detention	...	34
		73
Including one death from measles	...	1
Total non-smallpox cases	...	74

(Signed) T. B. BROOKE,
Medical Officer, River Service.

TABLE I.—*Showing the Admissions of Smallpox cases to the Wharves during each month of the year 1896.*

	1896.		
	Males.	Females.	Total.
January	27	29	56
February	10	11	21
March	13	11	24
April	5	4	9
May	6	7	13
June	20	18	38
July	7	7	14
August	3	8	11
September ... ..	...	2	2
October... ..	2	...	2
November ... ..	...	...	...
December	1	...	1
Totals	94	97	191*

* Includes five of the non-smallpox cases admitted to the Hospital Ships, three of whom were in the incubative stage at the time of admission. (See p. 90.)

TABLE II.—*Showing the Smallpox cases treated in the Shelters at South Wharf during the year 1896.*

Date of Admission.	Name.	Age	Sex.	Parish.	Vaccination.	Date of Discharge.	Remarks.
1896.						1896.	
Jan. 14	M. C.	19	F	Greenwich ...	Infancy (4) ...	Jan. 23 ...	Initial illness, Nov. 28, 1895. A convalescent case on admission.
May 1	A. W.	7	M	St. Saviour's	Not vaccinated	Died May 2 ...	Hæmorrhagic smallpox.
Aug. 26	K. F.	20	F	Islington ...	Infancy (3) ...	Aug. 29 ...	Patient was convalescent from smallpox on admission.

TABLE III.—*Showing the Deaths which occurred in the Shelters at South Wharf during 1896.*

Date of Admission.	Name.	Age.	Sex.	Parish.	Date of Death.	Cause of Death.		
1896.					1896.			
May 1	A. W.	...	...	7	M	St. Saviour's	May 2	Hæmorrhagic smallpox.
July 21	F. U.	...	...	39	M	Camberwell...	July 22	Measles—Pneumonia.

TABLE IV.—*Showing the Non-Smallpox cases sent home during the year 1896.*

	Cases sent home direct.	Cases sent home after detention.	Total.
January	10	4	14
February	1	1	2
March	5	4	9
April	4	7	11
May... ..	5	5	10
June	6	7	13
July	3	2	5
August	3	2	5
September	1	1	2
October ... ..	...	...	...
November	1	...	1
December ... ..	..	1	1
Totals	39	34	73

TABLE V.—*Giving particulars of the Diseases from which the Non-Smallpox cases suffered.*

(1.) NON-SMALLPOX CASES SENT DIRECT HOME.				(2.) NON-SMALLPOX CASES SENT HOME AFTER DETENTION.			
Varicella	...	...	23	Varicella	...	...	18
Syphilis	...	...	6	Measles	...	...	3
Eczema	...	...	2	Rheumatic Erythema			3
Measles	...	...	3	Syphilis	...	...	2
Rheumatic Erythema			1	Urticaria	...	...	2
Impetigo	..	...	2	Impetigo	...	...	2
Urticaria	...	...	1	Pneumonia	...	...	1
Vaccinia	...	...	1	Alcoholism	...	...	2
				Hepatic Abscess	...	...	1
			—				—
Total	...	...	39	Total	...	...	34
			—				—

N.B.—One case of measles died at South Wharf, and is not included in this table.

No. 2.

THE SMALLPOX HOSPITAL SHIPS.

LONG REACH,

NEAR DARTFORD, KENT,

January 26th, 1897.

(For Statistical Tables, see pp. 93 to 107.)

* * * * *

One hundred and ninety-three* patients were admitted into this hospital during the past twelve months. Six of these patients were not suffering from smallpox when admitted, four being infants who were admitted in company with their mothers. One of these six patients was a woman aged 25, who was accompanied by her sister, who was the subject of a very mild attack of smallpox. It is likely, from the history given, that the patient under discussion had passed through an exceedingly mild attack of smallpox, but there was no evidence of the presence of the disease when she came under my observation. The case is therefore excluded from the smallpox statistics. The sixth patient who was not suffering from smallpox when admitted was a man in whose case an attack of measles simulated smallpox. He was sent direct to the hospital from the neighbouring district of Erith.

I have mentioned that four infants when admitted here were not suffering from smallpox. Three of these children while in the hospital developed very mild attacks of smallpox. The fourth child (a boy five months old who had been vaccinated successfully soon after birth) escaped. Particulars of the cases of the three children who developed smallpox are here given. It will be seen that in each case the disease was in process of incubation when the patient was admitted. In each case also vaccination was successfully performed during the period of incubation.

* Five of these cases were admitted direct to the ships from places outside the Metropolis, and are not included in Table I., p. 89, nor in the Appendix A, on p. 47.

Cases in which Smallpox, not present on admission, was developed subsequently.

No.	Initials.	Age.	Sex.	Dates of				Result.	Vaccination.	Number of Vesicles.	Type of Disease.	Remarks.
				Admission.	Initial illness.	Eruption.	Discharge.					
1	E. H.	3 weeks	F	Jan. 21	None.	Jan. 31	Mar. 9	R	Vaccinated successfully Jan 21. Not previously	4	Very mild discrete.	Admitted from the Dartford district.
2	F. A.	10 months	M	June 4	None.	June 14	July 3	R	Vaccinated successfully June 4. Not previously	2	Do.	
3	— W.	10 days	F	June 30	None.	July 2	July 24	R	Vaccinated successfully June 21.	3	Do.	

There were then 187 patients suffering from smallpox admitted to the hospital in the course of the year. Eight deaths occurred at the hospital during the year. Three of these deaths were in the case of patients admitted in December, 1895. On the other hand, a patient admitted in December, 1896, has died in the current year.

Three patients were treated for smallpox at South Wharf (see Table II., p. 89) and were not admitted here. The total number of patients suffering from smallpox and admitted during 1896 to institutions of the Managers was therefore 190, and the total number of deaths from smallpox occurring at those institutions during the year was nine.

The incidence of smallpox in the Metropolis has been less during 1896 than in any previous year since 1891. There are not many facts of note relative to the spread of the disease, to record. On January 1st, 1896, there were 70 patients under treatment, and during that month 53 cases occurred in the metropolitan area and in West Ham, and were removed to this hospital. West Ham, as was the case in the later months of 1895, contributed a large percentage, 19 out of the 53 cases. West Ham continued to contribute cases until June, but no case has since been received from that union. The total contribution from the union for the year was 48 cases out of 187. Putting the West Ham cases aside, it is interesting to note the monthly number of admissions from the metropolitan area for the five months January—May. They are as follow:—

January	...	34	February	...	18
March	...	11	April	...	5
May	...	...		...	6

This course of events is the very opposite of what usually obtains, but it is very similar to what occurred in the early months of 1895.

The cases which occurred during these five months were scattered all over the Metropolis, but they chiefly occurred in the south-east of London. There was nothing unusual in the manner in which the disease spread or in the

class of person affected. In June there was a slight recrudescence of the disease. This was only noticeable as being a dim reflection of the serious outbreaks which occurred at the same time of year in 1894 and 1895. The number of cases admitted from the metropolitan area in June was 34. Fifteen of these cases came from Islington, the remainder being scattered over various parts of London. The bulk of the cases from Islington were the result of smallpox breaking out in a lodging-house. In Camberwell, as the result of one house (not a lodging-house) becoming infected, eight cases occurred in June and July. But in the other parts of London in June and in the following months the cases were more or less sporadic. In July only 14 cases occurred in the whole of London and in August the number of attacks declined to nine. Smallpox had then practically died out in London, two cases only being removed in September and two in October.

In November there were no admissions. The last patient left the hospital on December 14th, and for 16 days the hospital was empty. A patient was admitted on December 30th from the Port of London. He was a native of India, a coal trimmer employed on one of the Peninsular and Oriental Company's steamships. He caught smallpox in the course of the voyage from India to London.

The health of the staff has on the whole been fairly good during the year. Such disorders as anæmia and dyspepsia are of more frequent occurrence than they should be. This may be attributed to the peculiar nature of the hospital and of the staff accommodation. A hospital of such a nature as this, as I have elsewhere pointed out to you, is very badly adapted to the satisfactory treatment of a continuous series of cases of any disease, and smallpox is one of the worst of diseases to treat under such conditions. And it can hardly be wondered at that members of a staff cooped up with insufficient light, exercise, air, and sleeping space, break down rather frequently with such disorders as I have named.

An engine-driver passed through an attack of enteric fever. This disease was contracted, however, from some source outside the hospital. No member of the staff has contracted smallpox.

In accordance with my usual custom, I give the returns showing the number of persons who have been employed in your service during the year.

<i>Staff employed at the Hospital.</i>				<i>Staff newly employed at the Hospital.</i>			
Year.	Class.*	Number employed.	Number who contracted Smallpox.	Year.	Class.*	Number entering Service.	Number who contracted Smallpox.
1896	I.	65	} Nil.	1896	I.	5	} Nil.
	II.	87			II.	16	
	III.	68			III.	8	
	IV.	83			IV.	62	
Total	...	303	—	Total	...	91	—

(Signed) T. F. RICKETTS,
Medical Superintendent.

* CLASS I.—Includes those brought into intimate contact with patients, viz., nurses and members of the medical staff.

CLASS II.—Includes those somewhat less directly exposed to infection, such as wardmaids and laundrymaids.

CLASS III.—Includes those whose duties did not, as a rule, necessitate their entering the wards, or their being directly exposed to infection in other ways.

CLASS IV.—Includes contractors' men and others temporarily employed at the hospital.

APPENDIX I.—INFECTIOUS DISEASES. SMALLPOX STATISTICS, 1896.

SMALLPOX STATISTICS.—TABLE I.—Return showing the Numbers of Smallpox Patients Admitted from each Parish or Union during each Month of the Year 1896; the Total Admissions, Discharges, and Deaths during the Year, and the condition of the Patients as to Vaccination.

PARISH OR UNION.	REMAINS IN HOSPITAL ON 1ST JANUARY.			JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	TOTAL ADMISSIONS.	DEATHS.	DISCHARGES.	REMAINS IN HOSPITAL ON 31ST DECEMBER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Totals	21	8	41	28	3	15	14	2	6	17	1	6	5	4	7	1	5	17	20	7	1	6	8	1	1	1	1	2	1	116	10	64	1	8	136	18	96	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	70		56		22		24		9		15		37		14		10		2		2		1		190		9		250		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

N.B.—Admissions, &c., from "other diseases" during the year are not included in this Return.

NOTE 1.—The columns headed "no evidence" contain the particulars of cases stated to have been vaccinated, but bearing no visible evidence of the operation, and also of those in which no statement was made, but the nature of the eruption or other cause prevented any observation of the marks, if any existed.

Name of the person		Address		Occupation		Date of birth		Date of death	
No.	Name	No.	Address	No.	Occupation	No.	Date of birth	No.	Date of death
1	John Doe	10	123 Main St	1	Teacher	1	1880-01-01	1	1950-01-01
2	Jane Smith	20	456 Elm St	2	Homemaker	2	1885-03-15	2	1960-05-20
3	Robert Brown	30	789 Oak St	3	Engineer	3	1890-07-10	3	1970-02-28
4	Mary White	40	101 Pine St	4	Nurse	4	1895-11-05	4	1980-08-15
5	James Black	50	202 Cedar St	5	Farmer	5	1900-04-20	5	1985-03-10
6	Elizabeth Green	60	303 Birch St	6	Librarian	6	1905-09-01	6	1990-12-01
7	William Gray	70	404 Spruce St	7	Merchant	7	1910-02-18	7	1995-06-05
8	Anna King	80	505 Willow St	8	Widow	8	1915-06-03	8	1998-10-12
9	Charles Lee	90	606 Poplar St	9	Doctor	9	1920-01-25	9	2000-04-18
10	Patricia Hill	100	707 Magnolia St	10	Artist	10	1925-08-12	10	2005-11-03
11	Richard Scott	110	808 Hickory St	11	Lawyer	11	1930-03-08	11	2008-07-22
12	Susan Adams	120	909 Sycamore St	12	Writer	12	1935-10-14	12	2010-02-01
13	Thomas Baker	130	1010 Dogwood St	13	Engineer	13	1940-05-22	13	2012-09-15
14	Laura Evans	140	1111 Redwood St	14	Teacher	14	1945-12-01	14	2015-03-10
15	Michael Foster	150	1212 Cypress St	15	Businessman	15	1950-07-18	15	2018-11-05
16	Christina Hall	160	1313 Juniper St	16	Homemaker	16	1955-04-03	16	2020-08-20
17	David King	170	1414 Fir St	17	Engineer	17	1960-11-15	17	2022-01-10
18	Jessica Lee	180	1515 Palm St	18	Artist	18	1965-06-28	18	2023-05-01
19	Christopher Miller	190	1616 Olive St	19	Lawyer	19	1970-02-12	19	2024-09-18
20	Amanda Wilson	200	1717 Chestnut St	20	Teacher	20	1975-08-25	20	2025-03-05

APPENDIX I.—INFECTIOUS DISEASES. SMALLPOX STATISTICS, 1896.
 SMALLPOX STATISTICS—TABLE IIa. (continued)—Showing the condition as regards Vaccination of FEMALE Patients admitted during 1896.

AGES.	CASES WITH VACCINATION CICATRIX OR CICATRICES PRESENT.																				Total Vaccinated Cases Admitted.	Deaths amongst Vaccinated Cases.	Cases in which there was no evidence as to Cicatrices. See Note ^a .	Cases in which Vaccination Cicatrix was "blatant."		
	AREA OF CICATRIX OR CICATRICES.																									
	Class A ¹ = half and upwards of one-half square inch total area.					Class A ² = one-third, but less than one-half square inch total area.					Class A ³ = less than one-third square inch total area.					Class A ⁴ = Areas not recorded.										
	Number of Scars.					Number of Scars.					Number of Scars.					Number of Scars.										
	Four or more.	Three.	Two.	One.	Not recorded.	Four or more.	Three.	Two.	One.	Not recorded.	Four or more.	Three.	Two.	One.	Not recorded.	Four or more.	Three.	Two.	One.	Not recorded.						
	Formation of Scars.																									
	Formation of Scars.					Formation of Scars.					Formation of Scars.					Formation of Scars.										
	Half or more than half inch square.	Less than half inch square.	Not recorded.	Less than half inch square.	Not recorded.	Half or more than half inch square.	Less than half inch square.	Not recorded.	Less than half inch square.	Not recorded.	Half or more than half inch square.	Less than half inch square.	Not recorded.	Less than half inch square.	Not recorded.	Half or more than half inch square.	Less than half inch square.	Not recorded.	Less than half inch square.	Not recorded.						
Under 1 year...																										
From 1 to 2 years...																										
2 3																										
3 4																										
4 5																										
5 6																										
6 7																										
7 8																										
8 9																										
9 10																										
10 11																										
11 12																										
12 13																										
13 14																										
14 15																										
15 20																										
20 25																										
25 30																										
30 35																										
35 40																										
40 50																										
50 60																										
60 70																										
70 80																										
80 years and upwards																										
TOTAL	7	14	9	3	5	3	1	2	1	1	1	1	1	1	2	1	1	1	1	65	1	1	5	28	3	

N.B.—(1) The small figures indicate the number of Deaths in each sub-division of the Classes.
 This Table includes cases which were vaccinated or re-vaccinated after having been infected with Smallpox.
 * In this column are included cases stated to have been vaccinated, but bearing no visible evidence of the operation, and also cases in which no statement was made, but the nature of the eruption, or other cause, prevented any observation of the marks, if any existed.

TABLE I			AREA	
DATE	TIME	TEMPERATURE	AREA	AREA
1	10	10	10	10
2	11	11	11	11
3	12	12	12	12
4	13	13	13	13
5	14	14	14	14
6	15	15	15	15
7	16	16	16	16
8	17	17	17	17
9	18	18	18	18
10	19	19	19	19
11	20	20	20	20
12	21	21	21	21
13	22	22	22	22
14	23	23	23	23
15	24	24	24	24
16	25	25	25	25
17	26	26	26	26
18	27	27	27	27
19	28	28	28	28
20	29	29	29	29
21	30	30	30	30
22	31	31	31	31
23	32	32	32	32
24	33	33	33	33
25	34	34	34	34
26	35	35	35	35
27	36	36	36	36
28	37	37	37	37
29	38	38	38	38
30	39	39	39	39
31	40	40	40	40
32	41	41	41	41
33	42	42	42	42
34	43	43	43	43
35	44	44	44	44
36	45	45	45	45
37	46	46	46	46
38	47	47	47	47
39	48	48	48	48
40	49	49	49	49
41	50	50	50	50
42	51	51	51	51
43	52	52	52	52
44	53	53	53	53
45	54	54	54	54
46	55	55	55	55
47	56	56	56	56
48	57	57	57	57
49	58	58	58	58
50	59	59	59	59
51	60	60	60	60
52	61	61	61	61
53	62	62	62	62
54	63	63	63	63
55	64	64	64	64
56	65	65	65	65
57	66	66	66	66
58	67	67	67	67
59	68	68	68	68
60	69	69	69	69
61	70	70	70	70
62	71	71	71	71
63	72	72	72	72
64	73	73	73	73
65	74	74	74	74
66	75	75	75	75
67	76	76	76	76
68	77	77	77	77
69	78	78	78	78
70	79	79	79	79
71	80	80	80	80
72	81	81	81	81
73	82	82	82	82
74	83	83	83	83
75	84	84	84	84
76	85	85	85	85
77	86	86	86	86
78	87	87	87	87
79	88	88	88	88
80	89	89	89	89
81	90	90	90	90
82	91	91	91	91
83	92	92	92	92
84	93	93	93	93
85	94	94	94	94
86	95	95	95	95
87	96	96	96	96
88	97	97	97	97
89	98	98	98	98
90	99	99	99	99
91	100	100	100	100
92	101	101	101	101
93	102	102	102	102
94	103	103	103	103
95	104	104	104	104
96	105	105	105	105
97	106	106	106	106
98	107	107	107	107
99	108	108	108	108
100	109	109	109	109
101	110	110	110	110
102	111	111	111	111
103	112	112	112	112
104	113	113	113	113
105	114	114	114	114
106	115	115	115	115
107	116	116	116	116
108	117	117	117	117
109	118	118	118	118
110	119	119	119	119
111	120	120	120	120
112	121	121	121	121
113	122	122	122	122
114	123	123	123	123
115	124	124	124	124
116	125	125	125	125
117	126	126	126	126
118	127	127	127	127
119	128	128	128	128
120	129	129	129	129
121	130	130	130	130
122	131	131	131	131
123	132	132	132	132
124	133	133	133	133
125	134	134	134	134
126	135	135	135	135
127	136	136	136	136
128	137	137	137	137
129	138	138	138	138
130	139	139	139	139
131	140	140	140	140
132	141	141	141	141
133	142	142	142	142
134	143	143	143	143
135	144	144	144	144
136	145	145	145	145
137	146	146	146	146
138	147	147	147	147
139	148	148	148	148
140	149	149	149	149
141	150	150	150	150
142	151	151	151	151
143	152	152	152	152
144	153	153	153	153
145	154	154	154	154
146	155	155	155	155
147	156	156	156	156
148	157	157	157	157
149	158	158	158	158
150	159	159	159	159
151	160	160	160	160
152	161	161	161	161
153	162	162	162	162
154	163	163	163	163
155	164	164	164	164
156	165	165	165	165
157	166	166	166	166
158	167	167	167	167
159	168	168	168	168
160	169	169	169	169
161	170	170	170	170
162	171	171	171	171
163	172	172	172	172
164	173	173	173	173
165	174	174	174	174
166	175	175	175	175
167	176	176	176	176
168	177	177	177	177
169	178	178	178	178
170	179	179	179	179
171	180	180	180	180
172	181	181	181	181
173	182	182	182	182
174	183	183	183	183
175	184	184	184	184
176	185	185	185	185
177	186	186	186	186
178	187	187	187	187
179	188	188	188	188
180	189	189	189	189
181	190	190	190	190
182	191	191	191	191
183	192	192	192	192
184	193	193	193	193
185	194	194	194	194
186	195	195	195	195
187	196	196	196	196
188	197	197	197	197
189	198	198	198	198
190	199	199	199	199
191	200	200	200	200
192	201	201	201	201
193	202	202	202	202
194	203	203	203	203
195	204	204	204	204
196	205	205	205	205
197	206	206	206	206
198	207	207	207	207
199	208	208	208	208
200	209	209	209	209
201	210	210	210	210
202	211	211	211	211
203	212	212	212	212
204	213	213	213	213
205	214	214	214	214
206	215	215	215	215
207	216	216	216	216
208	217	217	217	217
209	218	218	218	218
210	219	219	219	219
211	220	220	220	220
212	221	221	221	221
213	222	222	222	222
214	223	223	223	223
215	224	224	224	224
216	225	225	225	225
217	226	226	226	226
218	227	227	227	227
219	228	228	228	228
220	229	229	229	229
221	230	230	230	230
222	231	231	231	231
223	232	232	232	232
224	233	233	233	233
225	234	234	234	234
226	235	235	235	235
227	236	236	236	236
228	237	237	237	237
229	238	238	238	238
230	239	239	239	239
231	240	240	240	240
232	241	241	241	241
233	242	242	242	242
234	243	243	243	243
235	244	244	244	244
236	245	245	245	245
237	246	246	246	246
238	247	247	247	247
239	248	248	248	248
240	249	249	249	249
241	250	250	250	250
242	251	251	251	251
243	252	252	252	252
244	253	253	253	253
245	254	254	254	254
246	255	255	255	255
247	256	256	256	256
248	257	257	257	257
249	258	258	258	258
250	259	259	259	259
251	260	260	260	260
252	261	261	261	261
253	262	262	262	262
254	263	263	263	263
255	264	264	264	264
256	265	265	265	265
257	266	266	266	266
258	267	267	267	267
259	268	268	268	268
260	269	269	269	269
261	270	270	270	270
262	271	271	271	271
263	272	272	272	272
264	273	273	273	273
265	274	274	274	274
266	275	275	275	275
267	276	276	276	276
268	277	277	277	277
269	278	278	278	278
270	279	279	279	279
271	280	280	280	280
272	281	281	281	281
273	282	282	282	282
274	283	283	283	283
275	284	284	284	284
276	285	285	285	285
277	286	286	286	286
278	287	287	287	287
279	288	288	288	288
280	289	289	289	289
281	290	290	290	290
282	291	291	291	291
283	292	292	292	292

Year	1950	1951	1952	1953	1954	1955
Total	100	100	100	100	100	100
A	20	20	20	20	20	20
B	30	30	30	30	30	30
C	40	40	40	40	40	40
D	50	50	50	50	50	50
E	60	60	60	60	60	60
F	70	70	70	70	70	70
G	80	80	80	80	80	80
H	90	90	90	90	90	90
I	100	100	100	100	100	100
J	110	110	110	110	110	110
K	120	120	120	120	120	120
L	130	130	130	130	130	130
M	140	140	140	140	140	140
N	150	150	150	150	150	150
O	160	160	160	160	160	160
P	170	170	170	170	170	170
Q	180	180	180	180	180	180

APPENDIX II.—IMBECILITY.

REPORTS OF THE MEDICAL SUPERINTENDENTS OF
THE SEVERAL ASYLUMS AND OF THE SCHOOLS
FOR THE YEAR 1896.

(For Statistics, see pp. 115 to 142.)

[*N.B.*—Those portions of the reports relating to alterations to buildings and other matters of no general interest, have been omitted.]

No. 1.

LEAVESDEN ASYLUM.

NEAR WATFORD, HERTS,
January, 1897.

* * * * *

Statistics. The short table immediately below will show the numerical changes that have taken place during the year. The remainder will be drawn up in the manner suggested by the Statistical Committee, in order that the reports of the various medical superintendents may be in uniformity:—

	Males.	Females.	Total.
On January 1st, 1896, the asylum contained	897	1,094	1,991
Admitted during the year	139	102	241
Total under treatment during the year	1,036	1,196	2,232
Discharged during the year	35	12	47
Died during the year	107	88	195
Remaining in the asylum on December 31st, 1896	894	1,096	1,990

Admissions. These have been for the most part the usual type sent here for treatment, helpless, aged, and decrepit; but very few are now found amongst them who can be induced to usefully employ themselves or, indeed, are

capable of so doing, and those few are as a rule epileptics who naturally require to be under close supervision, with constant medical aid.

Sixty-three of the admissions have been transferred to us from the county asylums, 59 males and four females, thus :—

		Males.	Females.
From Colney Hatch	...	18	—
„ Hanwell	... ..	6	—
„ Claybury	... ..	35	4

Such transfers are, of course, chronic and harmless, not often found useful workers, and sometimes liable to outbreaks of excitement which necessitate their being re-transferred.

The probable causes of insanity of those admitted during the year are shown in an additional table. It will be observed that a large number are under the heading “unknown”; this is the information given on the admission certificates.

Three males and two females have been re-admitted during the year.

Re-admissions.

Of the males, one was discharged in 1891, the second in 1894 as recovered; the former is an epileptic, has had no fit since his return in March last, and has so much again improved in general health that we hope soon to give him another chance of obtaining his livelihood. The latter is a case of a recurrent nature; was formerly at Hanwell Asylum, and twice here previously—an engraver and good workman when well. The third was discharged to Colney Hatch in 1893 as epileptic and suicidal; since his re-admission in November last he has been cheerful and worked well.

Of the females, one was discharged to care of friends at the request of the guardians of her parish; the other in 1893 as recovered, and though well looked after by philanthropic friends, drifted back and appears satisfied with her surroundings.

Discharges. Eight males have been discharged as recovered, showing a percentage of 5·8 on the admissions.

Five males and three females as improved to care of friends.

Two males as not insane, the visiting magistrates having refused to certify them as fit cases for detention.

Also as not improved, being fit cases for treatment at county asylums, 17 males and nine females :—

		Males.	Females.
To Colney Hatch	... ..	11	4
„ Hanwell...	... ..	6	1
„ Claybury	... ..	—	4

Other two males still under treatment were removed by the parochial authorities to their places of settlement.

Deaths. The death rate, 9·8 per cent., calculated on the average number resident, is the lowest since 1888. The causes are set forth in Table VII.

Inquests. Two inquests were held during the year. The first was on the body of M. B., female, *æt.* 74, admitted from Claybury Asylum in July, 1894, to one of the infirmary wards. * * * * * The jury returned a verdict of death from natural causes. The relatives expressed themselves satisfied that death had been from natural causes.

The second was on the body of W. N., 63, male, admitted from St. Marylebone, September 24th, 1879, who fell, during a fit, into a bath containing hot water on December 21st, having been left in the bathroom by an attendant, with the key of the taps also left on one of them. The patient, a feeble dement, was much scalded, and succumbed to the injuries on December 25th. On December 29th the inquest was held, when the jury gave the following verdict:—

“That, on the 25th day of December, at the parish of Watford, in the county of Hertford, the said W. N. died from shock caused by scalds received through accidentally falling into a bath of hot water on the 21st day of December, 1896, at the same time being probably in an epileptic fit, and it is the opinion of the jury that patients whilst being bathed should have more attendance, and not be left in the custody of a fellow patient without an efficient attendant, and that the said deceased at the time of his death was a male patient of the age of 63, and a patient inmate of the Leavesden Asylum.”

* * * * *

Staff. No changes have taken place in the principal appointments. The average number of patients resident in the asylum during the year has been 893 males and 1,097 females.

A. Medical staff, three.		
B. Nursing staff, including head attendants, inspector, and assistant matron ...	Males.	Females.
	44	62
C. Other staff, including all remaining subordinates	83	22
	<hr/>	<hr/>
	127	84
	<hr/>	<hr/>

* * * * *

(Signed) H. CASE,
Medical Superintendent.

No. 2.

CATERHAM ASYLUM.

CATERHAM, SURREY,

December 31st, 1896.

* * * * *

The numerical results of the past year may be learned from the subjoined table:—

	Males.	Females.	Total.
On January 1st, 1896, the asylum contained... ..	933	1,072	2,005
Admitted during the year... ..	85	59	144
Total under treatment during the year	1,018	1,131	2,149
Discharged during the year	20	15	35
Died during the year... ..	73	43	116
Remaining in the asylum on December 31st, 1896	925	1,073	1,998

The number admitted during 1896 was 144, or 17 less than in the preceding year. The admissions were of the usual demented, paralysed, and imbecile type, and I cannot report any improvement in the bodily condition of the new arrivals, a large proportion being cases requiring infirmary care and treatment, and very few indeed were capable of being usefully occupied in any way whatever. Nearly a third of the total number were between 60 and 81 years of age.

Deaths. The mortality during the year has been the lowest since the opening of the asylum in 1870.

The percentage on the average number resident being 5·7. There was a proportionately larger number of male deaths, but this is in a measure accounted for by the fact that 33 of the male decedents were between 60 and 90 years of age, as against 21 of the females. Nineteen of the male deaths were recorded also as due to exhaustion of senile decay, whilst only seven females succumbed to this cause. I should add that there is almost invariably a preponderance of male deaths in the death rates of asylums for the insane.

Discharges. Nine patients were discharged as recovered, and eight as improved, most of these cases having sufficiently improved mentally to leave the asylum to reside with their relatives. Seventeen were discharged as not improved, either for transfer to a county asylum or on adjudication to another parish outside the metropolitan area, and one man as having exhibited no evidence of insanity since his admission here.

The average daily number resident in the year was 2,003, and the highest number resident on any one day 2,010, the lowest number 1,996.

Seven males and seven females of the unimproved were transferred to the

London County Asylum, Cane Hill, as dangerous or suicidal patients, and therefore unfit for further detention here. Nine male and four female patients were transferred to this asylum from Cane Hill Asylum, and one male from Leavesden Asylum.

Causation. A new table has been compiled for the past year giving some statistics as to the alleged causation of the insanity in the newly-admitted cases. The causes, when given on the formal certificates of admission, and it is most exceptional for any to be stated, are often very misleading and untrustworthy. I have, therefore, always adopted the system of interviewing the relatives on the occasion of their first visit to the patient, and endeavouring to obtain some definite history of the case.

It is, even then, most difficult to ascertain the real origin of the malady, as their somewhat natural desire to keep the "family skeleton in the cupboard" prompts them to withhold valuable information, and to allege some trifling and often imaginary exciting reason, instead of the real and all-important predisposing cause of the mental disorder.

These remarks refer more especially to alcoholic intemperance and hereditary predisposition, which upwards of 25 years' experience in the care of the insane in county asylums and this institution has tended to confirm my opinion as being the most frequent and potent agents in the causation of insanity. I am, of course, referring to alcoholism in its evil effects indirectly, having regard to the production of the idiot and congenitally feeble-minded, as well as to its direct effects on the chronic drunkard. I would finally add that the table I have referred to must, for the reasons stated, be regarded as merely an approximation of the various causes.

Inquest. An inquest was held on the body of a female patient, aged 70, * * * and the following verdict was returned:—"Death due to misadventure; the deceased dying from exhaustion following choking, and that no blame was attached to the officials."

* * * * *

Staff. The average daily number of staff employed during the year was as follows:—

A. Medical staff	...	...	{	Medical Superintendent.
			{	Two Assistant Medical Officers.
B. Nursing staff	...	...		106.
C. Other staff	...	...		101.

* * * * *

General Remarks. The decision arrived at by the Asylums Board in March last to grant the attendants and servants in their employ the option of receiving a money allowance in lieu of their ration of beer has been much appreciated by them, and, with one exception, unanimously accepted. The Committee will remember that I had advocated this step being adopted for several years past, and it affords me much satisfaction to find how undoubtedly beneficial it has proved after having been some months in operation.

* * * * *

G. STANLEY ELLIOT,
Medical Superintendent.

No. 3.

DARENTH ADULT ASYLUM.

NEAR DARTFORD, KENT,

January 1st, 1897.

* * * * *
Statistics.

	Males.	Females.	Total.
On January 1st, 1896, the asylum contained... ..	447	598	1,045
Admitted during the year... ..	27	29	56
Total under treatment during the year... ..	474	627	1,101
Discharged during the year... ..	11	9	20
Died during the year... ..	16	35	51
Remaining in the asylum December 31st, 1896	447	582	1,030

Admissions. The admissions have numbered 27 males and 29 females, and have been transfers from the school asylum of patients over 16 years of age, as during the last four and a half years we have ceased to admit direct from the parishes and unions. They were all incapable of taking care of themselves, and required supervision. Table IV., p. 119, shows their mental condition.

Deaths. The deaths numbered 51, *i.e.*, 16 males and 35 females, the death rate being lower this year than for some time, *i.e.*, 3·6 for males and 5·9 for females—total, 4·9 per cent. This is to be attributed to receiving for the last few years, in a more healthy condition, patients from the schools, than those we formerly received direct from the parishes. They also were younger on admission.

Table VII., p. 125, shows the causes of death, which were all due to natural causes.

Discharges. The discharges have numbered 20 patients, *i.e.*, six males and five females, improved, and discharged either to their friends or their parishes; and nine were discharged as not improved, *i.e.*, five men and four women, as being dangerous to themselves or others, and were sent for transfer to county asylums. I would like here to observe that it would be more satisfactory if we could exercise the same privilege that discharged patients have allowed them in county asylums, *i.e.*, “discharge on trial.” The asylum in this case gives them for one month after discharge an allowance to enable them to make a start and keep themselves during that time. Should they break down before the end of the month, the parish returns them again to the asylum without fresh certificates. Often a patient appears to have so much improved that one would not refuse him or her a trial out for a month, but hesitates to let them go when the first strain of obtaining a livelihood is often the hardest, and they have often nothing to fall back upon for their support till work is found.

* * * * *

Inquests. There have been no inquests during the year. Twenty-four autopsies were made, showing that in each case the death was due to natural causes.

Staff. The changes in the principal staff have been very few—one deputy female head attendant being appointed in November to specially superintend the bathing of patients on the female side.

The average daily number of patients was 448 males, 592 females; total, 1,040.

* * * * *

Medical staff	...	...	...	...	...	...	2
Female nursing staff	...	...	...	...	...	...	43
Male nursing staff	...	...	...	...	...	...	36
Other staff	...	...	...	...	...	...	97
Total	...	...	...	...	...	...	178

Included in the 97 other staff are 68 who assist in the clerk's office, stores, shops, grounds, farm, gasworks, bakehouse, stables, engine rooms and machines, entrance gate, &c., but many of these are employed also for the schools.

* * * * *

(Signed) T. B. DYER,
Medical Superintendent.

ASYLUM STATISTICS.—TABLE I.—*Showing*

	LEAVESDEN ASYLUM.					
	Males.	Females.	Total.	Males.	Females.	Total.
In the Asylums, January 1st, 1896...	...	...	...	897	1,094	1,991
Admitted for the first time during the year, direct from the several Parishes and Unions ...	136	100	236	...	...	...
Re-admitted during the year...	3	2	5	...	...	...
Admitted from other Asylums of the Board ...	...	...	...	139	102	241
Total under care during the year ...	...	...	...	1,036	1,196	2,232
Discharged—						
Not insane ...	2	...	2	...	...	...
Recovered ...	8	...	8	...	...	...
Improved ...	5	3	8	...	...	...
Not improved ...	19	9	28	...	...	...
To other Asylums of Board...	1	...	1	...	...	...
Died ...	107	88	195	...	...	...
Total discharged (for various reasons) and died during the year ...	...	...	...	142	100	242
Remaining in the Asylums, December 31st, 1896...	...	...	...	894	1,096	1,990
Average numbers resident during the year ...	...	...	...	893	1,097	1,990
Highest number resident on any one day ...	...	...	...	897	1,100	1,997
Lowest number resident on any one day ...	...	...	...	881	1,095	1,976

TABLE II.—*Showing the Admissions, Re-admissions, and Discharges from*

[N.B.—The following are the dates of the opening of the several Asylums:—

	LEAVESDEN ASYLUM.					
	Males.	Females.	Total.	Males.	Females.	Total.
Admitted during the period of 26 $\frac{8}{10}$ years, direct from the several Parishes and Unions ...	3,818	3,741	7,559	...	...	...
Re-admissions ...	50	19	69	...	...	...
Admitted from other Asylums of Board ...	182	232	414	...	...	...
Total of cases admitted ...	...	...	...	4,050	3,992	8,042
Discharged—Not certified	...	...	...	...	...	...
Not insane ...	6	5	11	...	...	...
Recovered ...	214	118	332	...	...	...
Improved ...	205	152	360	...	...	...
Not improved ...	272	262	534	...	...	...
To other Asylums of Board ...	46	34	80	...	...	...
Died ...	2,410	2,325	4,735	...	...	...
Total discharged and died during the 26 $\frac{8}{10}$ years ...	...	...	...	3,156	2,896	6,052
Remaining December 31st, 1896 ...	...	...	...	894	1,096	1,990
Average numbers resident during the 26 $\frac{8}{10}$ years ...	...	...	...	833	1,046	1,879

N.B.—From April 16th, 1873, to November, 1876, the North-Western Hospital (Hampstead) was used as an Asylum for the other Asylums of the Board. 222 patients (91 male and 131 female) died and the

the Admissions, Re-admissions, Discharges, and Deaths during the Year 1896.

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
...	...	...	933	1,072	2,005	...	...	...	447	598	1,045	...	...	...	2,277	2,764	5,041
83	59	142	...	...	...	...	...	...	...	...	...	219	159	378	...	...	...
1	...	1	...	...	...	...	...	...	...	...	...	4	2	6	...	...	...
1	...	1	...	...	...	27	29	56	...	...	...	28	29	57	...	...	...
...	...	...	85	59	144	...	...	...	27	29	56	...	...	...	251	190	441
...	...	...	1,018	1,131	2,149	...	...	...	474	627	1,101	...	...	...	2,528	2,954	5,482
1	...	1	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...
6	3	9	...	...	...	...	...	...	...	...	...	14	3	17	...	...	...
3	5	8	...	...	...	6	5	11	...	...	...	14	13	27	...	...	...
10	7	17	...	...	...	5	4	9	...	...	...	34	20	54	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...
73	43	116	...	...	...	16	35	51	...	...	...	196	166	362	...	...	...
...	...	...	93	58	151	...	...	...	27	44	71	...	...	...	262	202	464
...	...	...	925	1,073	1,998	...	...	...	447	583	1,030	...	...	...	2,266	2,752	5,018
...	...	...	929	1,074	2,003	...	...	...	448	592	1,040	...	...	...	2,270	2,763	5,033
...	...	...	935	1,075	2,010	...	...	...	449	599	1,048	...	...	...	2,281	2,774	5,055
...	...	...	922	1,074	1,996	...	...	...	447	580	1,027	...	...	...	2,250	2,749	4,999

the Opening of the First Asylum to the present date, December 31st, 1896.

LEAVESDEN, October 9th, 1870; CATERHAM, September 29th, 1870; and DARENTH, May 4th, 1880.]

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
070	3,576	7,546	...	...	...	775	1,222	1,997	...	...	...	8,563	8,539	17,102	...	...	...
32	30	62	...	...	...	2	9	11	...	...	...	84	58	142	...	...	...
129	204	333	...	...	...	459	416	875	...	...	...	770	852	1,622	...	...	...
...	...	...	4,131	3,810	7,941	...	...	...	1,236	1,647	2,883	...	...	...	9,417	9,449	18,866
5	2	7	...	...	...	8	14	22	...	...	...	8	14	22	...	...	...
241	176	417	...	...	...	30	21	51	...	...	...	11	7	18	...	...	...
268	162	430	...	...	...	118	122	240	...	...	...	485	315	800	...	...	...
96	170	366	...	...	...	88	112	200	...	...	...	594	436	1,030	...	...	...
87	48	135	...	...	...	73	82	155	...	...	...	556	544	1,100	...	...	...
09	2,179	4,588	...	...	...	472	713	1,185	...	...	...	206	164	370	...	...	...
...	...	...	3,206	2,737	5,943	...	...	...	789	1,064	1,853	...	...	...	7,151	6,697	13,848
...	...	...	925	1,073	1,998	...	...	...	447	583	1,030	...	...	...	2,266	2,752	5,018
...	...	...	843	1,061	1,904	...	...	...	331	481	812	...	...	...	2,007	2,588	4,595

Imbeciles, and during that period 1,201 patients were admitted direct from the several Parishes and Unions, as well as some from remainder were discharged or transferred to the Asylums at Leavesden and Caterham.

ASYLUM STATISTICS.—TABLE III.—*Showing the Admissions, Discharges, and Admissions for the year 1887,*

YEAR.	ADMITTED.					DISCHARGED.											
	FROM PARISHES AND UNIONS.		FROM OTHER ASYLUMS OF BOARD.		Total Admissions.	RECOVERED.			IMPROVED.			NOT IMPROVED.			TO OTHER ASYLUMS OF BOARD.		
	Male.	Female.	Male.	Female.		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
LEAVESDEN ASYLUM.																	
1887	82	92	...	...	174	2	1	3	6	2	8	7	4	11	...	...	...
1888	73	83	...	...	156	5	4	9	4	1	5	5	5	10	...	...	...
1889	142	122	...	...	264	3	4	7	10	5	15	5	11	16	...	...	...
1890	163	157	...	...	320	12	9	21	7	7	14	5	6	11	...	...	...
1891	179	150	...	...	329	13	8	21	14	12	26	7	9	16	...	...	...
1892	185	152	...	...	337	17	7	24	7	4	11	13	14	27	...	...	...
1893	160	95	...	...	255	13	5	18	10	...	10	10	7	17	...	...	...
1894	154	112	...	...	266	12	4	16	9	4	13	19	7	26	...	...	...
1895	126	127	...	...	253	6	1	7	4	4	8	10	7	17	1	1	2
1896	139	102	...	...	241	8	...	8	5	3	8	†21	9	30	1	...	1
CATERHAM ASYLUM.																	
1887	105	91	...	...	196	8	5	13	9	6	15	3	5	8	...	...	...
1888	83	81	...	...	164	6	6	12	4	1	5	8	7	15	...	...	...
1889	92	79	...	...	171	13	4	17	1	2	3	6	7	13	...	...	...
1890	121	123	...	...	244	5	2	7	4	3	7	5	6	11	...	...	...
1891	104	108	...	...	212	3	4	7	2	5	7	5	7	12	...	...	...
1892	103	115	...	...	218	5	2	7	5	3	8	6	8	14	...	...	...
1893	86	76	...	...	162	2	2	4	4	5	9	11	10	21	...	...	...
1894	102	113	...	...	215	6	4	10	4	3	7	6	5	11	...	...	...
1895	85	76	...	...	161	7	1	8	5	1	6	13	3	16	...	...	...
1896	84	59	1	...	144	6	3	9	2	5	8	*11	7	18	...	...	...
DARENTH ASYLUM.																	
1887	41	39	12	69	161	...	...	...	19	20	39	4	7	11	...	...	...
1888	49	70	124	46	289	...	...	...	18	14	32	2	6	8	21	40	61
1889	128	113	26	9	276	...	...	...	26	10	36	8	6	14	...	...	...
1890	74	86	...	...	160	...	...	...	3	23	26	11	8	19	52	42	94
1891	59	92	...	...	151	7	12	†19	4	8	12	8	4	12	...	...	...
1892	24	20	11	31	86	...	...	...	3	2	5	10	4	14	...	...	...
1893	...	23	45	44	112	...	2	†2	...	2	2	9	3	12	...	...	...
1894	...	66	38	13	117	1	...	†1	2	...	2	4	1	5	...	...	...
1895	...	20	25	45	90	...	...	...	...	4	4	2	18	20	...	...	...
1896	...	...	27	29	56	...	...	...	6	5	11	5	4	9	...	...	...
SUMMARY.																	
1887	228	222	12	69	531	10	6	16	34	28	62	14	16	30	...	...	...
1888	205	234	124	46	609	11	10	21	26	16	42	15	18	33	21	40	61
1889	362	314	26	9	711	16	8	24	37	17	54	19	24	43	...	...	...
1890	358	366	...	...	724	17	11	28	14	33	47	21	20	41	52	42	94
1891	342	350	...	...	692	23	24	47	20	25	45	20	20	40	...	...	...
1892	312	287	11	31	641	22	9	31	15	9	24	29	26	55	...	...	...
1893	246	194	45	44	529	15	9	24	14	7	21	29	20	49	...	...	...
1894	256	291	38	13	598	19	8	27	15	7	22	29	13	42	...	...	...
1895	211	223	25	45	504	13	2	15	9	9	18	25	28	53	1	1	2
1896	223	161	28	29	441	14	3	17	14	13	27	37	20	57	1	...	1

* 1 Not insane.

‡ 2 Not insane.

† Not certified.

Deaths, with the mean Annual Mortality and proportion of Recoveries per cent. of the and for each subsequent year.

DIED.			Remaining December 31st.			Average Numbers Resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers Resident.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
52	93	145	900	1,092	1,992	895	1,092	1,987	2.4	1.1	1.7	5.8	8.5	7.3
76	76	152	883	1,089	1,972	890	1,090	1,980	6.8	4.8	5.7	8.5	7.0	7.7
124	109	233	883	1,082	1,965	887	1,085	1,972	2.1	3.2	2.6	13.9	19.0	11.8
181	124	305	841	1,093	1,934	853	1,081	1,934	7.3	5.7	6.5	21.2	11.4	15.7
114	132	246	872	1,082	1,954	851	1,089	1,940	7.2	5.3	6.3	13.4	12.1	12.7
131	111	242	889	1,098	1,987	857	1,068	1,925	9.2	4.6	7.1	15.3	10.4	12.6
117	85	202	899	1,096	1,995	894	1,097	1,991	8.1	5.3	7.0	13.1	7.7	10.1
118	97	215	895	1,096	1,991	894	1,095	1,989	7.7	3.5	6.0	13.0	8.9	10.1
103	116	219	897	1,094	1,991	895	1,096	1,991	4.7	0.8	2.8	11.5	10.5	11.0
107	88	195	894	1,096	1,990	893	1,097	1,990	5.8	0.0	5.8	12.0	8.0	9.8
75	74	149	943	1,070	2,013	928	1,072	2,000	7.6	5.4	6.6	8.0	6.9	7.4
78	85	163	930	1,052	1,982	936	1,068	2,004	7.2	7.4	7.3	8.3	7.9	8.1
83	72	155	919	1,046	1,965	930	1,048	1,978	14.1	5.0	9.9	8.9	6.8	7.8
107	100	207	919	1,058	1,977	918	1,062	1,980	4.1	0.8	2.4	11.6	9.4	10.4
76	86	162	937	1,064	2,001	922	1,060	1,982	2.8	3.7	3.3	8.2	8.1	8.1
83	95	178	941	1,071	2,012	919	1,045	1,964	3.8	1.7	2.7	9.0	9.0	9.0
72	66	138	938	1,064	2,002	940	1,070	2,010	2.3	2.6	2.4	7.6	6.1	6.8
94	91	185	930	1,074	2,004	931	1,071	2,002	5.8	3.5	4.6	10.0	8.5	9.2
57	73	130	933	1,072	2,005	932	1,070	2,002	8.2	1.3	4.9	6.1	6.8	6.4
73	43	116	925	1,073	1,998	929	1,074	2,003	7.1	5.0	6.2	7.8	4.0	5.7
25	34	59	317	531	848	307	483	790	...	...	...	8.1	7.0	7.4
31	40	71	418	547	965	330	530	860	...	...	...	9.3	7.5	8.2
54	53	107	484	600	1,084	467	588	1,055	...	...	...	11.5	9.0	10.1
51	62	113	441	551	992	449	563	1,012	...	...	...	11.3	11.0	11.1
35	39	74	446	580	1,026	443	553	996	...	...	...	7.9	7.0	7.4
32	43	75	436	582	1,018	446	580	1,026	...	...	...	7.1	7.4	7.3
28	67	95	444	575	1,019	445	574	1,019	...	...	...	6.3	11.7	9.4
28	54	82	447	599	1,046	446	578	1,024	...	...	...	6.3	9.3	8.0
23	44	67	447	598	1,045	448	590	1,038	...	...	...	5.1	7.4	6.4
16	35	51	447	583	1,030	448	592	1,040	...	...	...	3.6	5.9	4.9
52	201	353	2,160	2,693	4,853	2,130	2,647	4,777	4.1	2.0	3.0	7.1	7.6	7.3
85	201	386	2,231	2,688	4,919	2,156	2,680	4,844	3.3	3.5	3.4	8.5	7.4	7.9
61	234	495	2,286	2,728	5,014	2,284	2,721	5,005	4.1	2.5	3.5	11.4	8.5	9.8
39	286	625	2,201	2,702	4,903	2,220	2,706	4,926	4.7	3.0	3.8	15.2	10.5	12.7
25	257	482	2,255	2,726	4,981	2,216	2,702	4,918	4.4	3.4	3.9	10.1	9.5	9.8
46	249	495	2,266	2,751	5,017	2,222	2,693	4,915	6.8	2.8	4.8	11.0	9.2	10.0
17	218	435	2,281	2,735	5,016	2,279	2,741	5,020	5.2	3.8	4.5	9.5	7.9	8.7
40	242	482	2,272	2,769	5,041	2,271	2,744	5,015	6.5	2.6	4.5	10.6	8.8	9.6
83	233	416	2,277	2,764	5,041	2,275	2,756	5,031	5.5	0.74	3.0	8.0	8.4	8.3
96	166	362	2,266	2,752	5,018	2,270	2,763	5,033	5.5	1.5	3.8	8.6	6.0	7.1

ASYLUM STATISTICS.—TABLE IV.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients admitted during the year 1896.*

MENTAL DISEASES.	LEAVESDEN ASYLUM.			CATERHAM ASYLUM.			DARENTH ASYLUM.			SUMMARY.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Mania ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Mania, Chronic	10	...	10	1	8	9	...	...	...	11	8	19
Mania and Epilepsy ... ..	...	...	...	...	1	1	...	...	...	...	1	1
Melancholia	1	...	1	5	2	7	...	...	..	6	2	8
General Paresis	5	2	7	3	1	4	...	...	..	8	3	11
Dementia	50	27	77	28	15	43	...	...	...	78	42	120
Dementia and Paralysis	2	...	2	1	...	1	...	...	...	3	...	3
Dementia and Epilepsy	11	13	24	4	1	5	...	...	...	15	14	29
Senile Dementia... ..	10	16	26	13	8	21	...	...	...	23	24	47
Idiocy	8	11	19	2	3	5	14	...	14	24	14	38
Imbecility	14	13	27	23	13	36	9	17	26	46	43	89
Imbecility and Epilepsy	7	8	15	5	7	12	3	8	11	15	23	38
Of Weak Mind	3	10	13	...	...	...	1	2	3	4	12	16
Mental Stupor	1	..	1	...	...	...	...	...	...	1	...	1
Alcoholic Derangement	4	...	4	...	...	...	...	...	...	4	...	4
Idiocy and Epilepsy	6	2	8	...	...	...	...	2	2	6	4	10
Delusional Insanity	1	...	1	...	...	...	...	...	...	1	...	1
Epilepsy	6	...	6	...	...	...	...	...	...	6	...	6
Totals	139	102	241	85	59	144	27	29	56	251	190	441

LUNACY STATISTICS.—TABLE V.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients resident in the Asylum on December 31st, 1896.*

MENTAL DISEASES.	LEAVESDEN ASYLUM.			CATERHAM ASYLUM.			DARENTH ASYLUM.			SUMMARY.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Mania	20	...	20	...	7	7	...	...	...	20	7	27
Mania, Chronic	75	75	150	7	78	85	10	37	47	92	190	282
Mania and Epilepsy ...	3	8	11	3	15	18	1	2	3	7	25	32
Melancholia... ..	14	51	65	50	47	97	...	2	2	64	100	164
General Paresis	5	4	9	7	...	7	...	1	1	12	5	17
Dementia	189	230	419	340	350	690	37	85	122	566	665	1,231
Dementia and Paralysis	12	56	68	30	19	49	7	15	22	49	90	139
Dementia and Epilepsy	63	140	203	154	214	368	32	37	69	249	391	630
Senile Dementia ...	70	83	153	8	17	25	10	39	49	88	139	227
Idiocy	47	73	120	23	24	47	44	52	96	114	149	263
Imbecility	268	162	430	282	270	552	190	191	381	740	623	1,363
Imbecility and Epilepsy	80	145	225	21	32	53	83	82	165	184	259	443
Of Weak Mind ...	25	37	62	...	...	...	23	29	52	48	66	114
Mental Stupor	6	19	25	...	...	...	...	...	...	6	19	25
Alcoholic Derangement	9	2	11	...	...	...	...	...	...	9	2	11
Idiocy and Epilepsy ...	6	2	8	...	...	...	10	11	21	16	13	29
Delusional Insanity ..	2	9	11	...	...	...	...	...	...	2	9	11
Totals	894	1,096	1,990	925	1,073	1,998	447	583	1,030	2,266	2,752	5,018

ASYLUM STATISTICS.—TABLE VI.—*Showing the probable*

PROBABLE CAUSE.	LEAVESDEN ASYLUM.								
	As predisposing cause.			As exciting cause.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
MORAL.									
Domestic troubles (including loss of relations and friends) ...	1	4	5	...	...	...	1	4	5
Adverse circumstances (including business anxieties and pecuniary difficulties) ...	...	1	1	...	...	...	...	1	1
Mental anxiety, worry (not included in above), and overwork	1	...	1	...	...	...	1	...	1
Religious excitement ...	...	...	...	...	...	...	...	...	...
Fright and nervous shock ...	...	...	...	...	...	...	...	...	...
PHYSICAL.									
Intemperance in drink ...	3	5	8	...	...	...	3	5	8
Do. sexual ...	...	...	...	...	...	...	...	...	...
Excessive smoking ...	1	...	1	...	...	...	1	...	1
Self-abuse (sexual) ...	3	...	3	...	...	...	3	...	3
Sunstroke ...	2	...	2	...	...	...	2	...	2
Accident or injury ...	5	2	7	...	...	...	5	2	7
Pregnancy of mother ...	...	...	...	...	...	...	...	...	...
Parturition and the puerperal state ...	...	...	...	...	...	...	...	...	...
Lactation ...	...	1	1	...	...	...	...	1	1
Change of life ...	...	...	...	...	...	...	...	...	...
Fevers ...	...	...	...	...	...	...	...	...	...
Privation and starvation ...	...	1	1	...	...	...	...	1	1
Old age ...	6	14	20	...	...	...	6	14	20
Lead poisoning ...	...	...	...	...	...	...	...	...	...
Venereal disease ...	...	1	1	...	...	...	...	1	1
Other bodily diseases ...	1	3	4	...	...	...	1	3	4
Previous attacks ...	1	11	12	...	...	...	1	11	12
Hereditary influence ascertained ...	2	3	5	...	...	...	2	3	5
Congenital effect ascertained ...	...	19	19	...	...	...	...	19	19
Epilepsy ...	22	13	35	...	...	...	22	13	35
Unknown ...	86	24	110	...	...	...	86	24	110
Constitutional ...	5	...	5	...	...	...	5	...	5

The total of causations does not correspond with the number of admissions in Table I., as some

causes of Insanity in the Patients admitted during the Year 1896.

CATERHAM ASYLUM.									DARENTH ASYLUM.									SUMMARY.								
As predisposing cause.			As exciting cause.			TOTAL.*			As predisposing cause.			As exciting cause.			TOTAL.			As predisposing cause.			As exciting cause.			TOTAL.		
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
...	1	1	2	1	1	2	1	4	5	1	1	2	2	5	7
...	3	3	3	5	8	3	8	11	4	4	3	5	8	3	9	12
...	1	1	...	1	1	2	...	2	2	...	2	...	2	...	1	2	1	3	3	1	4
...
...	1	...	1	1	...	1	...	1	1	...	1	...	1	1
...	...	...	11	4	15	11	4	15	...	...	1	4	5	1	4	5	3	5	8	12	8	20	15	13	28
...	...	...	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	1	1
...	...	...	1	...	1	1	...	1	...	...	...	...	...	...	...	3	...	3	1	...	1	4	...	4	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	2	...	2	2
...	3	3	...	...	...	...	3	3	...	...	...	...	...	...	...	5	5	10	...	...	...	5	5	10	10
...	...	...	...	...	...	...	...	...	...	...	2	2	4	2	2	4	...	...	...	2	2	4	2	2	4
...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	1	...	1	1	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	1	1
...	
...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	1	...	1	1	1	...	1	1	1	2
...	8	8	12	1	13	12	9	21	...	...	...	...	...	...	...	6	22	28	12	1	13	18	23	41	41
...	
...	...	...	1	...	1	1	...	1	...	...	...	...	...	...	...	...	1	1	1	...	1	1	1	1	2
...	3	3	1	1	2	1	4	5	1	5	6	1	5	6	2	11	13	1	1	2	3	12	15
7	13	20	...	...	...	7	13	20	...	...	...	...	...	...	...	8	24	32	...	...	...	8	24	32	32
11	2	13	...	...	...	11	2	13	7	6	13	...	...	...	7	6	13	20	11	31	...	...	20	11	31
20	18	38	...	...	...	20	18	38	...	...	...	...	...	...	...	20	37	57	...	...	...	20	37	57	57
...	2	2	9	10	19	9	12	21	...	...	...	...	...	...	...	22	15	37	9	10	19	31	25	56	56
...	...	...	...	...	...	14	33	47	...	...	...	...	...	12	11	23	86	24	110	...	...	...	112	68	180
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	5	...	...	...	5	...	5	5

of the cases appear in both the columns relating to "Predisposing cause" and "Exciting cause."

ASYLUM STATISTICS.—TABLE VII.—*Showing the causes of calculated from the ages stated*

CAUSES OF DEATH.	LEAVESDEN											
	16		17		18		19		20 to 29		30 to 39	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—												
Dementia and Gradual Exhaustion
Meningitis, Tubercular	1	...	...	...
Brain Wasting	1	...	...	...
Epileptic Exhaustion	1	...	...	...	...	...	1	1	1	1
Apoplexy
General Paresis
Imbecility and Exhaustion	1	...
General Paralysis...	3	...
THORACIC DISEASES—												
Morbus Cordis	1	...	1	1
Pulmonary Tuberculosis...	10	4	2	4
Chronic Bronchitis
Morbus Cordis with Chronic Nephritis
Pneumonia	3	...	3	...
ABDOMINAL DISEASES—												
Malignant Disease (Stomach)
Malignant Disease (Vagina)
Diseases of Liver...
Diseases of Kidney and Urinary System
Periproctitis and Suppurative Nephritis
Typhilitis
Volvulus
Diarrhoea
GENERAL DISEASES—												
General Tuberculosis	1	1	...	...	4	2	3	...
Senile Decay
Necrosis and Exhaustion
Shock from Scald...
Struma
Epithelioma of Face
Totals	1	...	1	1	...	...	21	7	14	6

Death during the year 1896, together with the Ages of the Decedents, on the Orders of Admission.

ASYLUM.																		
40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Age 104.		Ages Unknown.		TOTAL.		
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.
1	...	3	...	4	...	11	...	4	...	...	...	...	...	1	...	24	...	24
...	1	4	...	3	2	2	5	...	...	...	...	...	...	...	...	1	...	1
...	...	...	...	2	2	...	1	...	...	...	...	...	...	...	...	10	8	18
...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	5	5	10
...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2
...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	5
1	1	3	5	3	7	3	4	...	...	...	...	...	...	...	1	12	19	31
5	5	1	2	...	1	...	...	...	...	...	...	...	...	...	...	18	16	34
...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	2	2
...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	1	7
2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	1	3
...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	2
...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	3	3
...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	2	1	3
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1
...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	2	1	1
...	1	...	...	...	4	...	1	...	...	...	...	...	...	...	...	2	2	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	6
6	2	...	2	...	...	...	...	1	...	...	...	...	...	...	...	14	8	22
...	...	...	...	...	...	...	2	...	3	...	1	...	...	...	...	...	6	6
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
15	11	17	16	16	22	17	19	4	4	...	1	...	...	1	1	107	88	195

ASYLUM STATISTICS.—TABLE VII. (continued)—Showing the causes of
from the ages stated on

CATERHAM													
CAUSES OF DEATH.	16		17		18		19		20 to 29		30 to 39		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
CEREBRAL OR SPINAL DISEASES—													
Apoplexy and Paralysis
Epilepsy	2	...	1	...	
General Paresis	1	1	2	
Exhaustion of Dementia	1	...	
Exhaustion of Idiocy	1	...	...	...	...	...
THORACIC DISEASES—													
Morbus Cordis	2
Phthisis	1	...	...	...
Bronchitis	
Pneumonia...	1	...	
ABDOMINAL DISEASES—													
Peritonitis	2	...
Intestinal Obstruction	
Hepatic Disease	
Disease of Kidney and Urinary System	
Cystitis	
Tabes Mesenterica	1	...	...	...
GENERAL DISEASES—													
Peirrhus of Breast	1
General Tuberculosis	
Exhaustion following Choking	
Senile Decay	
Totals	1	...	4	1	6	5	

ASYLUM STATISTICS.—TABLE VII. (continued)—Showing the calculated from the ages stated

CAUSES OF DEATH.	DARENTH											
	16		17		18		19		20 to 29		30 to 39	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—												
Apoplexy	2	3	...	...
Epilepsy	3	1	1
Paralysis with Dementia
Meningitis	1	...	...	...	...	...	...	...	...
General Paralysis
THORACIC DISEASES—												
Bronchitis
Phthisis	1	...	...	2	2	...	1
Pneumonia...	1	...	...
Pleurisy	1	...
Heart Disease	1	...	...	...	2
ABDOMINAL DISEASES—												
Diseases of Liver	1	...	...	...
Diseases of Kidney	1	...	...
Chronic Peritonitis	1
Cancer of Intestines
Cancer of Uterus
Totals	1	...	1	...	1	5	7	2	5
SUM												
CEREBRAL OR SPINAL DISEASES—												
Apoplexy	2	...	...
Apoplexy and Paralysis
Paralysis with Dementia...
General Paralysis	3	...
General Paresis	1	1	2
Dementia and General Exhaustion	1	...
Epileptic Exhaustion	1	...	...	...	...	3	4	3	2
Imbecility and Exhaustion	1	...	...	...	1	...
Meningitis Tubercular	1	...	...	...	...	1	...	...	...
Brain Wasting	1	...	...	...
Carried forward	1	1	...	...	1	...	5	7	9	4

causes of Death during the year 1896, together with the Ages of the Decedents, on the orders of Admission.

ASYLUM.

40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Age 104.		Ages not known.		TOTAL.		
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.
...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	3	3	5
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	5	6
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1
...	3	1	2	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1
1	1	...	...	2	...	1	1	...	...	...	...	...	...	...	...	3	10	13
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	3	7
...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	1	5	6
...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	1	2	3
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
1	5	1	3	3	3	3	8	1	1	...	...	...	...	...	...	16	35	51

MARY.

...	...	1	1	...	...	1	2	...	...	...	...	...	...	...	...	4	3	7
...	...	1	...	3	5	...	1	...	2	...	...	...	...	...	...	4	8	12
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1
...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	5	1	6
4	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	6	4	10
1	...	4	3	11	3	11	1	4	...	...	...	...	...	1	...	33	7	40
...	...	...	1	4	2	...	2	...	...	...	...	...	...	...	...	11	11	22
...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	4	...	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2
...	1	4	...	3	2	2	5	...	...	...	...	...	...	...	...	10	8	18
5	1	13	7	23	13	14	11	4	3	...	...	...	...	1	...	78	44	122

ASYLUM STATISTICS.—TABLE VII. (continued)—Showing the calculated from the ages stated

SUMMARY												
CAUSES OF DEATH.	16		17		18		19		20 to 29		30 to 39	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Brought forward	1	1	...	...	1	...	5	7	9	4
THORACIC DISEASES—												
Morbus Cordis	1	...	1	3
Morbus Cordis with Chronic Nephritis
Heart Disease	1	...	...	...	2
Pneumonia	3	1	4	...
Pleurisy	1	...
Chronic Bronchitis
Pulmonary Tuberculosis...	10	4	2	4
Phthisis	1	...	...	3	2	...	1
ABDOMINAL DISEASES—												
Malignant Disease (Stomach)
Intestinal Obstruction
Volvulus
Cancer of Intestines
Peritonitis	2	1
Typhilitis
Periproctitis and Suppurative Nephritis
Tabes Mesenterica	1	...	...	...
Diarrhoea
Diseases of Liver...	1	...	...	...
Diseases of Kidney and Urinary System	1	...	...
Cancer of Uterus
Malignant Disease (Vagina)
Cystitis
GENERAL DISEASES—												
General Tuberculosis	1	1	...	...	4	2	3	...
Struma
Senile Decay
Recrosis and Exhaustion...
Peirrhbus of Breast	1
Epithelioma of Face
Exhaustion following Choking
Shock from Scald...
Grand Totals	1	1	1	2	1	1	30	15	22	16

causes of Death during the year 1896, together with the Ages of the Decedents, on the orders of Admission.

—Continued.

40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Age 104.		Ages not known.		TOTAL.		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Tl.
5	1	13	7	23	13	14	11	4	3	...	...	...	...	1	...	78	44	122
2	1	3	6	8	10	3	7	...	1	...	...	...	...	...	1	18	29	47
...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	2
...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	1	5	6
1	2	3	1	4	1	2	2	...	...	...	...	...	...	...	...	17	7	24
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
...	...	1	2	1	...	...	2	...	...	...	...	...	...	...	...	2	4	6
5	5	1	2	...	1	...	...	...	...	...	...	...	...	...	...	18	16	34
1	3	2	2	2	...	...	1	...	...	...	...	...	...	...	...	8	10	18
2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	1	3
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	2	2	4
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1
...	1	...	...	...	4	...	1	...	...	...	...	...	...	...	...	1	...	1
...	1	...	3	1	1	...	...	...	...	...	...	...	...	...	...	...	6	6
1	...	1	1	2	...	1	2	...	...	...	...	...	...	...	...	2	5	7
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	5	4	9
...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	2
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
6	2	...	2	1	...	...	...	...	1	...	...	...	...	...	...	15	8	23
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	15	6	3	5	1	2	...	...	...	...	19	13	32
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
23	16	25	27	47	37	36	38	8	10	1	2	...	...	1	1	196	166	362

ASYLUM STATISTICS.—TABLE VIII.—*Showing the History of the Annual numbers of each year's admissions*

YEAR.	ADMITTED.						OF EACH YEAR'S ADMISSIONS, DISCHARGED AND DIED IN 1896.															
	New Cases.		Relapsed Cases.		From other Asylums of Board.		Recovered.	Improved.	Not Improved.			To other Asylums of Board.			Died.							
	Males.	Females.	Males.	Females.	Males.	Females.			Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				
LEAVESDEN ASYLUM.																						
1870 (part of)...	468	556	...	...	...	...	1,024	...	...	...	...	...	...	...	...	...	3	1	4	
1871 ...	520	545	...	...	...	...	1,065	...	...	...	...	...	...	...	...	...	8	1	9	
1872 ...	163	256	...	...	...	...	419	...	...	...	...	...	...	...	...	...	1	1	2	
1873 ...	141	165	...	...	41	30	377	...	...	...	...	...	...	...	...	...	...	...	...
1874 ...	115	149	1	...	1	13	279	...	...	...	1	...	1	...	...	...	...	5	5	
1875 ...	111	108	1	1	...	...	221	...	...	...	...	...	...	...	...	...	...	3	3	
1876 ...	158	79	...	...	126	184	547	1	...	1	...	...	...	...	...	...	...	4	5	9
1877 ...	95	...	...	...	1	4	100	...	...	...	...	...	...	...	...	...	...	2	...	2
1878 ...	69	1	1	...	13	...	84	...	...	...	...	...	...	...	...	...	...	2	...	2
1879 ...	80	89	...	...	...	...	169	...	...	...	1	...	1	...	...	...	...	1	...	1
1880 ...	92	75	...	...	...	...	167	...	...	...	...	...	...	...	...	...	...	1	...	1
1881 ...	85	71	4	1	...	...	161	...	...	...	1	...	1	...	...	...	...	...	1	1
1882 ...	82	85	3	2	...	...	172	...	...	...	...	...	...	...	...	...	...	3	2	5
1883 ...	75	106	5	1	...	...	187	...	...	...	...	...	...	...	...	...	...	2	1	3
1884 ...	56	96	2	...	...	...	154	...	...	...	...	...	...	...	...	...	...	1	1	2
1885 ...	71	97	2	...	...	...	170	...	...	...	2	...	2	...	...	...	...	...	2	2
1886 ...	62	83	3	3	...	...	151	1	...	1	...	...	...	...	...	...	...	1	2	3
1887 ...	80	92	2	...	...	...	174	...	...	...	...	...	...	...	...	...	...	2	...	2
1888 ...	71	83	2	...	...	...	156	...	...	...	...	...	...	...	...	...	...	...	6	6
1889 ...	140	121	2	1	...	...	264	...	...	...	1	...	1	...	...	...	...	4	3	7
1890 ...	162	155	1	2	...	...	320	...	...	...	1	...	1	...	...	...	...	3	5	8
1891 ...	176	148	3	2	...	...	329	...	...	...	...	1	1	...	...	...	...	13	3	16
1892 ...	181	149	4	2	...	1	337	...	...	...	1	1	2	...	...	...	...	5	4	9
1893 ...	156	95	4	...	...	...	255	...	...	1	1	...	...	...	...	...	...	11	10	21
1894 ...	148	112	6	...	...	...	266	...	...	2	2	2	1	3	...	...	...	12	11	23
1895 ...	125	125	1	2	253	3	...	3	3	3	10	2	12	1	...	1	15	13	28	
1896 ...	136	100	3	2	241	3	...	3	1	1	2	4	1	5	14	7	21	
Totals	3,818	3,741	50	19	182	232	8,042	8	...	8	5	3	8	21	9	30	1	...	1	107	88	195
CATERHAM ASYLUM.																						
1870 (part of) ...	156	202	...	...	...	...	358	...	...	...	...	...	...	...	...	...	...	2	...	2
1871 ...	664	870	...	...	...	...	1,534	...	...	...	...	...	...	...	...	...	...	3	9	12
1872 ...	259	161	...	...	...	...	420	...	...	...	...	...	...	...	...	...	...	2	1	3
1873 ...	183	167	1	...	...	...	351	...	...	...	...	...	...	...	...	...	...	...	1	1
1874 ...	240	169	2	3	72	36	522	...	...	...	...	...	...	...	...	...	...	1	2	3
1875 ...	158	180	338	1	...	1	
1876 ...	173	170	5	5	33	167	553	...	...	...	...	...	...	...	...	...	...	2	2	4
1877 ...	178	56	2	...	...	1	237	...	...	...	1	...	1	...	...	...	...	...	...	...
1878 ...	157	47	...	...	17	...	221	...	...	...	...	...	...	...	...	...	...	...	1	1
1879 ...	176	84	...	...	6	...	266	...	...	...	...	...	...	...	...	...	...	...	...	...
1880 ...	122	87	2	6	217	1	...	1	
1881 ...	122	105	227	2	...	2	
1882 ...	81	85	...	2	...	...	168	...	...	...	...	...	...	...	...	...	...	...	...	...
1883 ...	73	37	3	3	...	...	116	...	...	...	...	...	...	...	...	...	...	...	...	...
1884 ...	98	102	2	1	203	1	1	1	1	2	
1885 ...	59	48	3	3	113	1	...	1	1	...	1	
1886 ...	115	91	3	1	210	1	...	1	
1887 ...	103	90	2	1	196	3	2	5	
1888 ...	83	81	164	1	1	
1889 ...	92	78	...	1	171	1	1	4	2	6	
1890 ...	119	122	2	1	244	3	2	5	
1891 ...	104	108	212	5	...	5	
1892 ...	101	114	2	1	218	1	1	2	3	2	5	
1893 ...	86	76	162	1	...	1	...	1	...	1	2	1	3	
1894 ...	100	112	2	1	215	2	2	1	1	2	16	6	22	
1895 ...	85	75	...	1	161	3	3	6	1	1	2	4	2	6	11	5	16	
1896 ...	83	59	1	...	1	...	144	2	...	2	1	1	2	2	3	5	9	5	14	
Totals	3,970	3,576	32	30	129	204	7,941	6	3	9	3	5	8	†	7	18	73	43	116	

* Includes two not insane.

† Includes one not insane.

Admissions since the opening of the Asylums, with the Discharges and Deaths and the remaining on December 31st, 1896.

TOTAL DISCHARGED AND DIED OF EACH YEAR'S ADMISSIONS TO DECEMBER 31ST, 1896.															REMAINING OF EACH YEAR'S ADMISSIONS, DECEMBER 31ST, 1896.		
Recovered.			Improved.			Not Improved.			To other Asylums of Board.			Died.			Males.	Females.	Total.
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
15	8	23	25	19	44	24	44	68	12	4	16	327	413	740	65	68	133
20	15	35	29	23	52	49	48	97	15	10	25	348	371	719	59	78	137
12	6	18	12	11	23	14	14	28	5	14	19	117	173	290	3	38	41
9	4	13	8	6	14	17	21	38	10	5	15	124	131	255	14	28	42
7	2	9	2	7	9	13	16	29	2	...	2	90	115	205	3	22	25
5	3	8	3	5	8	17	13	30	...	...	...	72	68	140	15	20	35
13	3	16	18	7	25	11	12	23	...	...	...	196	180	376	46	61	107
7	...	7	5	...	5	3	...	3	...	...	...	63	1	64	18	3	21
5	...	5	4	...	4	3	...	3	...	...	...	56	1	57	15	...	15
3	3	6	3	5	8	3	7	10	...	...	...	57	51	108	14	23	37
8	4	12	9	8	17	8	2	10	...	...	...	56	35	91	11	26	37
10	7	17	6	5	11	7	3	10	...	...	...	55	44	99	11	13	24
3	6	9	3	5	8	3	3	6	...	...	...	61	57	118	15	16	31
3	2	5	5	8	13	4	7	11	...	...	...	57	62	119	11	28	39
1	8	9	3	3	6	5	7	12	...	...	...	36	62	98	13	16	29
4	9	13	5	3	8	5	8	13	...	...	...	49	53	102	10	24	34
3	...	3	3	1	4	7	3	10	...	...	...	33	50	83	19	32	51
4	3	7	5	2	7	5	4	9	...	...	...	53	55	108	15	28	43
5	3	8	4	2	6	5	3	8	...	...	...	44	43	87	15	32	47
9	4	13	9	5	14	7	9	16	...	...	...	89	60	149	28	44	72
14	11	25	10	8	18	9	6	15	...	...	...	87	76	163	43	56	99
14	5	19	7	9	16	7	11	18	...	...	...	97	64	161	54	61	115
14	6	20	9	2	11	14	10	24	...	...	...	83	56	139	65	78	143
10	3	13	8	2	10	9	4	13	...	...	...	75	38	113	58	48	106
7	2	9	7	3	10	14	7	21	...	...	...	52	34	86	74	66	140
6	1	7	5	2	7	11	4	15	2	1	3	19	25	44	83	94	177
3	...	3	1	1	2	4	1	5	...	...	...	14	7	21	117	93	210
214	118	332	208	152	360	278	267	545	46	34	80	2,410	2,325	4,735	894	1,096	1,990
4	4	8	7	13	20	6	7	13	2	1	3	103	137	240	34	40	74
47	31	78	50	30	80	47	36	83	19	6	25	456	636	1,092	45	131	176
24	12	36	24	10	34	11	9	20	16	11	27	170	106	276	14	13	27
19	10	29	19	6	25	13	19	32	11	8	19	100	111	211	22	13	35
18	24	42	30	13	43	1	...	1	36	18	54	198	124	322	31	29	60
13	11	24	10	8	18	8	8	16	1	3	4	113	123	236	13	27	40
2	11	13	21	13	34	5	9	14	...	...	...	145	122	267	38	87	125
...	...	...	14	4	18	5	3	8	...	...	...	129	35	164	31	15	46
5	3	8	11	1	12	4	5	9	1	...	1	109	27	136	44	11	55
6	4	10	9	4	13	13	1	14	...	...	...	121	42	163	33	33	66
7	4	11	11	7	18	8	7	15	...	...	...	79	54	133	19	21	40
3	2	5	6	5	11	10	4	14	...	...	...	71	69	140	32	25	57
9	10	19	5	5	10	2	5	7	...	...	...	44	50	94	21	17	38
11	4	15	4	3	7	3	1	4	...	1	1	39	19	58	19	13	32
7	12	19	9	10	19	5	4	9	...	...	...	56	52	108	23	25	48
2	2	4	...	1	1	5	2	7	...	...	...	37	31	68	18	15	33
12	5	17	7	6	13	7	4	11	...	...	...	63	45	108	29	32	61
7	4	11	6	2	8	6	6	12	...	...	...	50	42	92	36	37	73
4	4	8	6	...	6	5	5	10	...	...	...	43	44	87	25	28	53
8	2	10	4	4	8	5	8	13	...	...	...	53	32	85	22	33	55
6	6	12	3	3	6	8	5	13	...	...	...	57	52	109	47	57	104
5	2	7	1	2	3	2	4	6	...	...	...	41	45	86	55	55	110
2	2	4	1	1	2	4	9	13	...	...	...	36	33	69	60	70	130
8	3	11	2	5	7	8	3	11	...	...	...	34	18	52	34	47	81
6	1	7	4	3	7	2	2	4	...	...	...	36	15	51	54	92	146
4	3	7	3	2	5	6	3	9	...	...	...	17	10	27	55	57	112
2	...	2	1	1	2	2	3	5	...	...	...	9	5	14	71	50	121
241	176	417	268	162	430	201	172	373*	87	48	135	2,409	2,179	4,588	925	1,073	1,998

* Includes five males and two females not insane.

ASYLUM STATISTICS.—TABLE VIII. (continued)—Showing the History of Deaths, and the numbers of each year's

YEAR.	ADMITTED.							OF EACH YEAR'S ADMISSIONS, DISCHARGED AND DIED IN 1896.														
	New Cases.		Relapsed Cases.		From other Asylums of Board.		Total.	Recovered.			Impr'ved.			Not Improved.			To other Asylums of Board.			Died.		
	Males.	Females.	Males.	Females.	Males.	Females.		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
DARENTH ASYLUM.																						
1880	...	163	...	...	25	54	242	...	...	...	...	...	1	1	...	...	...	...	1	1	...
1881	...	15	...	1	...	13	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1882	...	152	185	...	1	78	433	...	...	...	...	...	...	...	...	...	...	...	4	4	8
1883	...	107	153	...	...	6	274	...	...	...	...	...	1	1	...	...	...	...	3	3	6
1884	...	57	67	...	...	...	124	...	...	...	...	...	...	...	...	...	...	...	2	2	4
1885	...	40	54	...	...	22	146	...	...	...	...	...	1	1	...	...	...	...	...	...	...
1886	...	45	62	1	1	20	137	...	...	1	1	...	...	...	...	...	...	...	2	2	4
1887	...	41	35	...	4	12	161	...	...	1	1	...	...	...	...	...	...	...	1	1	2
1888	...	49	70	...	...	124	289	...	...	...	...	...	...	...	...	...	...	...	2	2	4
1889	...	127	112	1	1	26	276	...	...	...	...	...	...	...	...	...	...	...	3	3	6
1890	...	74	86	...	...	...	160	...	...	...	...	...	2	1	3	...	...	...	2	...	2
1891	...	59	92	...	...	...	151	...	...	...	...	...	1	1	2	...	...	...	2	7	9
1892	...	24	19	...	1	11	86	...	...	1	1	...	1	1	1	...	...	...	3	3	6
1893	23	...	...	45	112	...	...	1	1	...	...	...	...	...	...	...	1	2	3	
1894	66	...	...	38	417	...	...	2	2	...	...	...	...	...	...	...	4	4	8	
1895	20	...	...	25	90	...	...	...	2	2	...	...	...	...	...	...	3	3	6	
1896	27	56	...	...	...	3	3	...	...	...	...	...	...	...	...	...
Totals	...	775	1,222	2	9	459	416	2,883	6	5	11	5	4	9	16	35	51
SUMMARY.																						
Part of } 1870	...	624	758	...	...	...	1,382	...	...	...	...	...	...	...	...	...	...	...	5	1	6
1871	...	1,184	1,415	...	...	...	2,599	...	...	...	...	...	...	...	...	...	...	...	11	10	21
1872	...	422	417	...	...	...	839	...	...	...	...	...	...	...	...	...	...	...	3	2	5
1873	...	324	332	1	...	41	30	728	1	1	2
1874	...	355	318	3	3	73	49	801	...	...	...	...	1	1	...	...	...	...	1	7	8
1875	...	269	288	1	1	...	...	559	...	...	...	...	...	...	...	...	...	...	1	3	4
1876	...	331	249	5	5	159	351	1,100	1	...	1	...	...	...	...	...	...	...	6	7	13
1877	...	273	56	2	...	1	5	337	...	...	...	...	1	1	...	...	...	...	2	...	2
1878	...	226	48	1	...	30	...	305	...	...	...	...	...	...	...	...	...	...	2	1	3
1879	...	256	173	...	...	6	...	435	...	...	...	...	1	1	...	...	...	...	1	...	1
1880	...	214	325	2	6	25	54	626	...	...	...	...	1	1	...	...	...	...	1	2	3
1881	...	207	191	4	2	...	13	417	...	...	...	...	1	1	...	...	...	...	2	1	3
1882	...	315	355	3	5	78	17	773	...	...	...	...	...	...	...	...	...	...	7	6	13
1883	...	255	296	8	4	6	8	577	...	...	...	...	1	1	...	...	...	...	2	4	6
1884	...	211	265	4	1	...	...	481	...	...	1	1	...	...	...	...	...	...	2	4	6
1885	...	170	199	5	3	22	30	429	...	...	...	...	2	2	4	...	...	...	1	2	3
1886	...	222	236	7	5	20	8	498	1	...	1	1	...	...	...	...	...	...	4	2	6
1887	...	224	217	4	5	12	69	531	...	...	1	1	...	...	...	...	...	...	5	3	8
1888	...	203	234	2	...	124	46	609	...	...	...	...	...	...	...	...	...	...	2	9	11
1889	...	359	311	3	3	26	9	711	...	...	1	1	1	1	...	...	...	...	11	8	19
1890	...	355	363	3	3	...	...	724	...	...	...	...	3	1	4	...	...	...	8	7	15
1891	...	339	348	3	2	...	...	692	...	...	...	...	1	2	3	...	...	...	20	10	30
1892	...	306	282	6	4	11	32	641	...	...	1	1	2	3	5	...	...	...	8	9	17
1893	...	242	194	4	...	45	44	529	1	...	1	2	2	1	1	...	...	...	14	13	27
1894	...	248	290	8	1	38	13	598	...	...	2	4	6	3	2	5	...	...	28	21	49
1895	...	210	220	1	3	25	45	504	6	3	9	4	3	7	14	4	18	1	26	21	47	
1896	...	219	159	4	2	28	29	441	5	...	5	2	5	7	6	4	10	...	23	12	35	
Grand Totals	...	8,563	8,539	84	58	770	852	18866	14	3	17	14	13	27	37	20	57	1	1	196	166	362

* Includes three not insane.

the Annual Admissions since the opening of the Asylum, with the Discharges and admissions remaining on December 31st, 1896.

TOTAL DISCHARGED AND DIED OF EACH YEAR'S ADMISSIONS, DECEMBER 31ST, 1896.															REMAINING OF EACH YEAR'S ADMISSIONS, DECEMBER 31ST, 1896.		
Recovered.			Improved.			Not Improved.			To other Asylums of Board.			Died.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
2	3	5	6	12	18	1	22	23	...	3	3	3	128	131	13	49	62
...	2	2	...	5	5	...	1	1	...	...	...	...	14	14	...	7	7
8	4	12	22	15	37	8	19	27	2	1	3	132	117	249	58	47	105
7	6	13	12	13	25	14	7	21	...	1	1	61	94	155	19	40	59
7	3	10	7	8	15	7	6	13	...	...	...	28	40	68	8	10	18
6	3	9	11	9	20	4	5	9	2	2	4	24	42	66	15	23	38
...	...	...	12	12	24	1	10	11	2	1	3	27	29	56	24	19	43
...	...	...	14	4	18	3	8	11	...	45	45	20	29	49	16	22	38
...	...	...	13	12	25	11	9	20	56	26	82	35	43	78	58	26	84
...	...	...	13	14	27	15	7	22	11	3	14	66	51	117	49	47	96
...	...	...	2	7	9	12	6	18	...	...	...	33	45	78	27	28	55
7	12	19	2	1	3	8	2	10	...	...	...	24	41	65	18	36	54
...	...	...	1	3	4	2	3	5	...	...	...	12	13	25	20	32	52
...	2	2	1	...	1	1	2	3	...	...	...	5	9	14	38	54	92
1	...	1	2	...	2	1	4	5	...	...	...	2	14	16	32	61	93
...	...	...	...	4	4	...	1	1	...	...	...	...	4	4	25	56	81
...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	27	26	53
38	35	73	118	122	240	88	112	200	73	82	155	472	713	1,185	447	583	1,030
19	12	31	32	32	64	30	51	81	14	5	19	430	550	980	99	108	207
67	46	113	79	53	132	96	84	180	34	16	50	804	1,007	1,811	104	209	313
36	18	54	36	21	57	25	23	48	21	25	46	287	279	566	17	51	68
28	14	42	27	12	39	30	40	70	21	13	34	224	242	466	36	41	77
25	26	51	32	20	52	14	16	30	38	18	56	288	239	527	34	51	85
18	14	32	13	13	26	25	21	46	1	3	4	185	191	376	28	47	75
15	14	29	39	20	59	16	21	37	...	...	...	341	302	743	84	148	232
7	...	7	19	4	23	8	3	11	1	...	1	192	36	228	49	18	67
10	3	13	15	1	16	7	5	12	1	...	1	165	28	193	59	11	70
9	7	16	12	9	21	16	8	24	...	...	...	178	93	271	47	56	103
17	11	28	26	27	53	17	31	48	...	3	3	138	217	355	43	96	139
13	11	24	12	15	27	17	8	25	...	...	...	126	127	253	43	45	88
20	20	40	30	25	55	13	27	40	2	1	3	237	224	461	94	80	174
21	12	33	21	24	45	21	15	36	...	2	2	157	175	332	49	81	130
15	23	38	19	21	40	17	17	34	...	...	...	120	154	274	44	51	95
12	14	26	16	13	29	14	15	29	2	2	4	110	126	236	43	62	105
15	5	20	22	19	41	15	17	32	2	1	3	123	124	247	72	83	155
11	7	18	25	8	33	14	18	32	...	45	45	123	126	249	67	87	154
9	7	16	23	14	37	21	17	38	56	26	82	122	130	252	98	86	184
17	6	23	26	23	49	27	24	51	11	3	14	208	143	351	99	124	223
20	17	37	15	18	33	29	17	46	...	...	...	177	173	350	117	141	258
26	19	45	10	12	22	17	17	34	...	...	...	162	150	312	127	152	279
16	8	24	11	6	17	20	22	42	...	...	...	131	102	233	145	180	325
18	8	26	11	7	18	18	9	27	...	...	...	114	65	179	130	149	279
14	3	17	13	6	19	17	13	30	...	...	...	90	63	153	160	219	379
10	4	14	8	8	16	17	8	25	2	1	3	36	39	75	163	207	370
5	...	5	2	5	7	6	4	10	...	...	...	23	12	35	215	169	384
493	329	822	594	436	1030	567	551	1118	206	164	370	5,291	5,217	10,508	2,266	2,752	5,018

* Includes the "not certified cases."—Vide Table II., p. 116.

† Includes the "not insane" cases in same table.

ASYLUM STATISTICS.—TABLE IX.—*Showing the length of residence of*

LENGTH OF RESIDENCE.	LEAVESDEN ASYLUM.					
	RECOVERED.			DIED.		
	M.	F.	Total.	M.	F.	Total.
Under 1 Month ... ..	...	...	...	1	1	2
From 1 to 3 Months	2	...	2	3	2	5
" 3 to 6 "	1	...	1	7	4	11
" 6 to 9 "	1	...	1	6	3	9
" 9 to 12 "	2	...	2	6	2	8
" 1 to 2 Years ... ..	...	...	...	12	15	27
" 2 to 3 " .. ..	...	...	...	10	8	18
" 3 to 5 " .. ..	...	...	...	20	12	32
" 5 to 7 " .. ..	...	...	...	10	8	18
" 7 to 10 "	1	...	1	4	7	11
" 10 to 12 " .. ..	...	...	...	...	4	4
" 12 to 14 " .. ..	...	...	...	5	3	8
" 14 to 16 " .. ..	...	...	...	1	2	3
" 16 to 18 " .. ..	...	...	...	2	1	3
" 18 to 20 "	1	...	1	4	3	7
" 20 and upwards... ..	...	...	...	16	13	29
Totals	8	...	8	107	88	195

ASYLUM STATISTICS.—TABLE X.—*Showing the Ages of Patients resident in the several Asylums on*
on the Orders

Years ending December 31st.	Under 16		16		17		18		19		20		20 to 29	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
LEAVESDEN ASYLUM.														
1887	20	13	24	22	26	2	38	14	28	17	185	162
1888	23	17	27	25	28	2	41	14	29	16	184	162
1889	26	20	28	28	31	6	44	15	30	16	191	168
1890	1	2	5	2	7	8	7	6	4	7	126	76
1891	4	1	4	4	11	5	10	8	9	8	123	75
1892	6	2	16	2	9	9	10	5	9	11	120	89
1893	5	3	9	4	18	3	11	14	14	8	132	100
1894	6	5	11	10	22	6	11	17	14	12	139	106
1895	8	6	15	13	25	6	14	18	13	14	148	109
1896	12	8	16	19	32	8	13	20	15	16	142	124
CATERHAM ASYLUM.														
1887	2	2	1	8	7	7	10	12	24	18	178	158
1888	2	3	2	8	8	7	12	14	25	19	170	154
1889	3	4	4	9	9	9	13	15	26	21	165	158
1890	1	...	...	4	2	2	3	4	5	2	8	5	148	118
1891	1	...	1	3	3	3	4	5	6	4	7	6	145	115
1892	5	2	4	6	5	8	8	12	9	11	147	110
1893	1	3	6	8	7	9	10	13	12	14	140	114
1894	4	3	10	12	16	13	16	18	14	16	142	118
1895	10	4	15	13	14	14	15	21	17	18	150	137
1896	11	5	15	16	18	14	16	21	18	19	154	141
DARENTH ASYLUM.														
1887	3	1	9	18	9	24	23	18	16	17	21	20	116	149
1888	32	28	35	23	33	23	29	14	32	22	133	146
1889	27	8	42	32	33	29	30	25	27	14	153	151
1890	6	3	16	8	25	21	26	17	25	20	158	130
1891	3	6	8	6	16	9	27	22	26	19	178	140
1892	7	9	9	18	15	11	15	14	26	24	189	145
1893	1	...	13	16	13	13	15	22	19	14	17	17	208	146
1894	1	8	8	20	17	18	13	17	21	26	17	199	152
1895	1	4	16	14	18	22	20	20	12	19	22	201	150
1896	10	10	10	20	17	19	24	19	19	10	196	154
SUMMARY.														
1887	3	1	31	33	34	54	56	27	64	43	73	55	479	463
1888	57	48	64	56	69	32	82	42	86	57	487	462
1889	56	32	74	69	73	44	87	55	83	51	509	477
1890	1	...	7	9	24	2	35	33	38	25	37	29	432	319
1891	1	...	8	10	15	13	31	19	43	34	42	33	446	330
1892	18	13	29	26	29	28	33	31	44	46	456	344
1893	1	...	19	22	28	25	40	34	40	41	43	39	480	460
1894	1	18	16	41	39	50	32	44	56	54	45	480	376
1895	1	22	26	44	44	61	40	49	51	49	54	499	394
1896	33	23	41	55	67	41	53	60	52	45	492	419

those discharged recovered, and of those who have died during the year 1896.

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
RECOVERED.			DIED.			RECOVERED.			DIED.			RECOVERED.			DIED.		
M.	F.	Total	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total	M.	F.	Total
...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	2	3
1	...	1	5	1	6	...	...	...	...	...	...	3	...	3	8	3	11
2	...	2	...	2	2	...	...	...	...	...	...	3	...	3	7	6	13
1	1	2	4	2	6	...	...	...	...	...	...	2	1	3	10	5	15
...	1	1	6	...	6	...	...	...	...	1	1	2	1	3	12	3	15
1	1	2	17	9	26	...	...	...	...	2	2	1	1	2	29	26	55
1	...	1	5	1	6	...	...	...	1	2	3	1	...	1	16	11	27
...	...	...	6	3	9	...	...	...	4	5	9	...	...	...	30	20	50
...	...	...	9	2	11	...	...	...	3	7	10	...	...	...	22	17	39
...	...	...	4	5	9	...	...	...	4	3	7	1	...	1	12	15	27
...	...	...	2	...	2	...	...	...	...	3	3	...	...	...	2	7	9
...	...	...	1	1	2	...	...	...	4	9	13	...	...	...	10	13	23
...	...	...	3	...	3	...	...	...	...	2	2	...	...	...	4	4	8
...	...	...	...	1	1	...	...	...	...	1	1	...	...	...	2	3	5
...	...	...	2	2	4	...	...	...	...	...	...	1	...	1	6	5	11
...	...	...	9	13	22	...	...	...	...	...	...	...	...	...	25	26	51
6	3	9	73	43	116	...	...	...	16	35	51	14	3	17	196	166	362

December 31st in 1887, and on the same day in each subsequent year, calculated from the ages stated of Admission.

30 to 39		40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Above 100.		Ages not known.		TOTALS.		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
196	250	198	259	102	197	76	142	...	...	...	...	...	...	7	14	900	1,092	1,992		
190	247	195	260	104	202	55	131	...	...	...	...	...	...	7	13	883	1,089	1,972		
180	256	198	259	94	192	56	122	...	...	...	...	...	...	5	...	883	1,082	1,965		
178	195	175	240	174	212	102	178	46	114	7	32	1	5	...	...	8	16	841	1,093	1,934
188	188	180	222	166	224	116	177	47	128	8	29	1	3	...	...	5	10	872	1,082	1,954
184	197	194	212	156	207	124	207	50	120	6	23	1	2	...	...	4	12	889	1,098	1,987
185	208	187	209	166	212	113	198	49	111	4	11	1	2	...	1	5	12	899	1,096	1,995
177	206	183	211	162	212	114	187	50	104	1	5	...	2	...	1	5	12	895	1,096	1,991
179	216	178	214	167	214	109	184	37	86	...	1	...	1	...	...	4	12	897	1,094	1,991
175	219	182	212	165	206	106	175	32	78	...	...	...	...	...	...	4	11	894	1,096	1,990
186	180	170	192	155	204	142	180	58	73	8	29	2	1	...	...	...	6	943	1,070	2,013
180	182	165	189	150	190	149	184	60	74	7	28	...	...	...	...	...	...	930	1,052	1,982
184	190	151	178	149	180	142	177	63	72	9	33	1	...	...	...	...	...	919	1,046	1,965
210	220	187	201	152	191	138	183	51	89	11	36	...	1	1	...	2	7	919	1,058	1,977
205	226	196	196	160	186	142	182	54	91	14	40	...	...	...	...	...	6	937	1,064	2,001
200	230	192	198	162	184	140	185	56	88	13	37	...	...	...	...	...	...	941	1,071	2,012
202	232	190	192	163	180	138	181	55	85	14	33	...	...	...	...	...	...	938	1,064	2,002
190	226	193	195	160	175	130	180	50	90	10	28	1	...	...	...	...	...	930	1,074	2,004
185	218	190	190	157	174	122	178	47	84	10	23	1	...	...	...	...	...	933	1,072	2,005
183	219	187	188	155	170	111	173	49	85	8	22	...	...	...	...	...	...	925	1,073	1,998
27	56	20	70	23	42	36	58	11	43	3	14	...	1	...	...	...	...	317	531	848
29	65	28	67	21	39	31	68	13	33	2	18	...	1	...	...	...	...	418	547	965
46	86	37	75	25	55	43	66	19	42	2	17	...	...	...	...	...	...	484	600	1,084
52	97	39	65	26	67	42	63	22	46	4	11	...	1	...	...	...	2	441	551	992
56	105	39	81	25	62	42	64	22	49	4	14	...	1	...	...	...	2	446	580	1,026
54	108	39	77	23	62	36	59	19	38	4	12	...	3	...	...	...	2	436	582	1,018
49	102	42	69	18	71	30	51	14	37	5	11	...	3	...	...	...	3	444	575	1,019
58	113	37	76	16	70	30	58	13	40	5	9	...	2	...	...	...	2	447	599	1,046
70	110	36	71	16	74	27	56	14	37	4	8	...	2	...	...	...	1	447	598	1,045
79	115	34	72	19	69	23	53	13	32	3	7	...	2	...	...	...	1	447	583	1,030
409	486	388	521	280	443	318	312	69	116	11	43	2	1	...	...	7	14	2,160	2,693	4,853
399	494	388	516	275	431	235	383	73	107	9	46	...	1	...	...	7	13	2,231	2,688	4,919
410	432	386	512	268	427	241	365	82	114	11	50	1	...	...	...	5	...	2,286	2,728	5,014
440	512	365	506	392	470	282	424	119	249	22	79	1	7	1	...	10	25	2,201	2,702	4,903
449	519	415	503	391	472	300	423	123	268	26	83	1	4	...	...	5	18	2,255	2,726	4,981
438	535	425	487	341	461	300	451	125	256	23	72	1	5	...	...	4	14	2,266	2,751	5,017
436	542	419	470	347	463	281	430	118	133	23	55	1	5	...	1	5	15	2,281	2,735	5,016
425	545	413	482	338	457	274	425	113	234	16	42	1	4	...	1	5	14	2,272	2,769	5,041
434	544	404	475	340	462	258	418	98	207	14	32	1	3	...	...	4	13	2,277	2,764	5,041
437	553	403	472	339	445	240	401	94	195	11	29	...	2	...	...	4	12	2,266	2,752	5,018

APPENDIX II.—IMBECILITY.
ASYLUM STATISTICS.—TABLE XI.—*Showing the Ages
calculated from the ages stated*

LEAVESDEN ASYLUM.															
AGES.	The Admissions.						The Discharges.						The Deaths.		
	From Parishes and Unions.			From other Asylums of Board.			Recovered.			Removed, Improved, or otherwise.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
From 5 to 10 years	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10 to 15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15 to 20	28	15	43	...	...	...	3	...	3	9	...	9	3	1	4
" 20 to 30	24	24	48	...	...	...	2	...	2	4	2	6	24	7	31
" 30 to 40	17	14	31	...	...	...	1	...	1	8	5	13	12	6	18
" 40 to 50	22	11	33	...	...	...	2	...	2	2	1	3	14	12	26
" 50 to 60	19	10	29	...	...	...	...	...	...	3	2	5	18	16	34
" 60 to 70	17	14	31	...	...	...	...	...	...	1	1	2	19	22	41
" 70 to 80	11	13	24	...	...	...	...	...	...	...	1	1	13	18	31
" 80 to 90	1	1	2	...	...	...	...	...	...	...	...	...	4	5	9
" 90 and upwards...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ages unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Totals	139	102	241	...	...	...	8	...	8	27	12	39	107	88	195

DARENTH ASYLUM.

AGES.	The Admissions.						The Discharges.						The Deaths.		
	From Parishes and Unions.			From other Asylums of Board.			Recovered.			Removed, Improved, or otherwise.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
From 5 to 10 years
" 10 to 15
" 15 to 20	23	19	42	...	...	...	3	4	7	1	7	8
" 20 to 30	4	4	8	...	...	...	3	...	3	4	4	8
" 30 to 40	5	5	...	...	...	4	1	5	2	5	7
" 40 to 50	1	1	...	...	...	1	...	1	1	4	5
" 50 to 60	3	3	1	3	4
" 60 to 70	3	5	8
" 70 to 80	1	1	3	6	9
" 80 to 90	1	1	2
" 90 and upwards...
Ages unknown
Totals	27	29	56	...	...	...	11	9	20	16	35	51

of the Admissions, Discharges, and Deaths during the year 1896, on the orders of Admission.

CATERHAM ASYLUM.

AGES.	The Admissions.						The Discharges.						The Deaths.		
	From Parishes and Unions.			From other Asylums of Board.			Recovered.			Removed, Improved, or otherwise.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
From 5 to 10 years ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10 to 15 "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15 to 20 "	15	6	21	...	...	...	1	...	1	3	1	4	5	2	7
" 20 to 30 "	16	14	30	...	...	...	1	1	2	5	3	8	5	2	7
" 30 to 40 "	7	8	15	...	...	...	1	...	1	1	2	3	7	7	14
" 40 to 50 "	13	4	17	...	...	...	1	...	1	2	...	2	12	6	18
" 50 to 60 "	11	5	16	...	...	...	2	...	2	2	3	5	11	5	16
" 60 to 70 "	12	10	22	...	...	...	...	2	2	1	1	2	20	14	34
" 70 to 80 "	10	10	20	1	...	1	...	...	...	...	2	2	11	5	16
" 80 to 90 "	...	2	2	...	...	...	...	...	...	...	...	...	1	2	3
" 90 and upwards...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Ages unknown ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	84	59	143	1	...	1	6	3	9	14	12	26	73	43	116

SUMMARY.

AGES.	The Admissions.						The Discharges.						The Deaths.		
	From Parishes and Unions.			From other Asylums of Board.			Recovered.			Removed, Improved, or otherwise.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
From 5 to 10 years ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10 to 15 "	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15 to 20 "	43	21	64	23	19	42	4	...	4	15	5	20	9	10	19
" 20 to 30 "	40	38	78	4	4	8	3	1	4	12	5	17	33	13	46
" 30 to 40 "	24	22	46	...	5	5	2	...	2	13	8	21	21	18	39
" 40 to 50 "	35	15	50	...	1	1	3	...	3	5	1	6	27	22	49
" 50 to 60 "	30	15	45	...	...	...	2	...	2	5	8	13	30	24	54
" 60 to 70 "	29	24	53	...	...	...	...	2	2	2	2	4	42	41	83
" 70 to 80 "	21	23	44	1	...	1	...	...	...	...	4	4	27	29	56
" 80 to 90 "	1	3	4	...	...	...	...	...	...	...	...	...	6	8	14
" 90 and upwards...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Ages unknown ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Grand Totals...	223	161	384	28	29	57	14	3	17	52	33	85	196	166	362

ASYLUM STATISTICS.—TABLE XII.—*Showing the Departments*

DEPARTMENTS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY. MALES.
MALES.				
Blocks	120	172	60	352
Centre and Hall	15	7	4	26
Coaling	9	6	1	16
Stores	4	2	2	8
Kitchen	33	12	...	45
Bakehouse	10	1	4	15
Mess Room... ..	4	7	1	12
Tailor's Shop	9	8	16	33
Shoemaker's Shop	5	8	14	27
Upholsterer's Shop	32	24	14	70
Painter's Shop ... ..	...	2	...	2
Grounds	72	34	70	176
Laundry	24	19	...	43
Farm... ..	...	...	24	24
Gas House	4	5	...	9
Engine House	2	2	...	4
Attending to Earth Closets and Drains ... ..	...	3	...	3
Residences ... ..	...	2	...	2
Carpenters	2	...	...	2
	...	2	...	2
Total	345	316	210	871
Total number of Patients in Asylum	894	925	447	2,266

where Patients were employed on December 31st, 1896.

DEPARTMENTS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY, FEMALES.
FEMALES.				
Laundry	36	30	31	97
Work Room	13	26	17	56
Helpers in Blocks	118	201	115	434
Needlework in Blocks	90	107	38	235
Centre	9	9	8	26
Mess Room	4	5	3	12
Kitchen ... ..	...	2	7	9
Medical Superintendent's Residence	...	2	1	3
Steward's Residence ... ..	...	1	1	2
Matron's Residence	1	1	1	3
Total	271	384	222	877
Total number of Patients in Asylum	1,096	1,073	583	2,752

ASYLUM STATISTICS.—TABLE XIII.—*Showing the Occupations previous to*

OCCUPATIONS.	LEAVESDEN ASYLUM.					CATERHAM ASYLUM.					DARENTH ASYLUM.					SUMMARY. MALES.				
	NUMBERS.					NUMBERS.					NUMBERS.					NUMBERS.				
	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.
MALES.																				
Baker ... ..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Bookbinder ... ..	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Barber's Assistant ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Beer-house Keeper ... ..	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	...	1
Bricklayer ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Butcher ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Cabinet Maker ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Cabman ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Carpenters ... ..	...	...	2	2	4	...	1	1	...	2	...	...	...	...	...	1	3	2	...	6
Carver ... ..	...	1	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Clerks	2	2	...	1	5	...	1	...	...	1	...	...	...	...	2	3	...	1	...	6
Coachman ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Coffee-house Keeper ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Compositors	1	...	...	1	2	...	1	...	...	1	...	...	...	...	1	1	...	1	...	3
Costermongers ... ..	...	...	...	...	...	1	1	...	...	2	...	...	...	...	1	1	...	...	...	2
Chair Maker ... ..	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Cooper ... ..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Decorator ... ..	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	1
Draper ... ..	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Draughtsman	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Engineer ... ..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Errand Boy ... ..	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Fireman	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
French Polisher ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Furrier ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Gardener ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Gasfitter ... ..	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	1	...	...	1
Gold Beater	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Grocer	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Hammerman ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Hawkers ... ..	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	1	1	...	...	2
Housekeeper ... ..	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...	...	1
Interpreter	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Iron Driller ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Labourers	25	10	3	8	46	9	3	3	...	15	...	...	...	...	34	13	6	8	...	61
Messengers	1	...	1	...	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2
Missionary ... ..	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Musician ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
No occupation	39	1	5	3	48	...	...	...	...	...	27	...	...	27	66	1	5	3	...	75
Not known	2	...	...	...	2	21	5	3	2	31	...	...	...	...	23	5	3	2	...	33
Painters	2	...	1	...	3	...	...	...	...	...	...	...	...	...	2	...	1	...	...	3
Pipemaker ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Platelaye ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Porter ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Rent Collector	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Seal Engraver ... ..	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Seamen	1	...	1	...	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2
Servant ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Shoemakers ... ..	...	1	1	1	3	2	1	...	3	...	...	...	...	...	2	2	1	1	...	6
Shoebblack ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Schoolmasters ... ..	...	...	...	...	...	2	...	...	...	2	...	...	...	...	2	...	...	...	...	2
Silk Dyer	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Soldier	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Stevedore ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Tailors ... ..	...	1	...	2	3	...	...	...	...	...	...	...	...	...	...	1	...	2	...	3
Timber Porter ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1
Travellers	1	...	1	...	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2
Packer ... ..	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Total	82	19	18	20	139	43	29	10	3	85	27	...	...	27	152	48	28	23	...	251

admission, and condition as to Marriage of the Patients admitted during the year 1896.

OCCUPATIONS.	LEAVESDEN ASYLUM.					CATERHAM ASYLUM.					DARENTH ASYLUM.					SUMMARY. FEMALES.				
	NUMBERS.					NUMBERS.					NUMBERS.					NUMBERS.				
	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.	Single.	Married.	Widowed.	Unknown.	Total.
FEMALES.																				
Artificial Flower Makers	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2
Bookfolders	1	...	...	1	1	...	...	...	1	...	...	...	...	...	...	2	...	1	...	3
Charwomen	3	...	7	2	12	...	...	1	...	1	...	...	...	...	...	3	...	8	2	13
Clothes Sorter... ..	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1
Cooks ... ..	...	...	1	...	1	...	...	2	...	2	...	...	...	...	...	1	...	...	...	1
Dressmaker ... ..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3
Factory Hands ... ..	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...	2	...	1	...	1
Housekeepers ... ..	...	1	...	...	1	1	...	...	1	...	...	...	...	...	1	1	...	...	...	2
Houseworker ... ..	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Laundresses	1	...	1	2	1	1	...	...	2	...	...	...	...	2	1	...	...	...	1	4
Needlewomen ... ..	...	...	4	...	4	...	...	3	...	3	...	...	...	...	2	...	7	...	...	7
No occupation... ..	35	8	10	5	58	...	...	...	...	29	...	...	...	29	64	8	10	5	87	
Nurses ... ..	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	8	2	...	...	2
Packer	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Presser ... ..	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Servants	15	...	1	...	16	10	1	2	2	15	...	...	...	...	1	...	...	...	...	1
Tailoresses	2	...	1	...	3	1	1	...	...	2	...	...	...	...	25	1	3	2	...	31
Unknown ... ..	...	...	...	...	...	15	2	3	5	25	...	...	...	...	3	1	1	...	...	5
Total ...	58	10	26	8	102	34	5	13	7	59	29	...	...	...	29	121	15	39	15	190

staff. Among the staff no important change has occurred during the year.

*	*	*	*	*
Average daily number of patients resident during the year ...				979·9
Average daily number of staff employed ...				177
Viz. :—Medical staff ...				2
Nursing staff ...				109
Teaching staff ...				11
Other staff ...				55
				177
				177

(Signed) FRANCIS H. WALMSLEY, M.D.,
Medical Superintendent.

IMBECILITY STATISTICS—DARENTH SCHOOLS AND PAVILIONS.

TABLE I.—*Showing the Admissions, Re-admissions, Discharges, and Deaths during the Year 1896.*

	Males.	Females.	Total.
In the Asylum, January 1st, 1896	630	360	990
	Males.	Females.	Total.
Admitted for the first time during the year (direct from the several Parishes & Unions)	82	56	138
Re-admitted during the year	1	1	2
Admitted from other Asylums of Board	...	...	...
	83	57	140
Total under care during the year	713	417	1,130
	Males.	Females.	Total.
Discharged—			
Recovered	5	9	14
Improved	16	9	25
Not improved	6	4	10
To other Asylums of Board	27	29	56
Died...	25	12	37
Total discharged (for various reasons) and died during the year	79	63	142
Remaining in the Asylum, December 31st, 1896	634	354	988
Average numbers resident during the year	629.1	350.8	979.9
Highest number resident on any one day	631	363	994
Lowest number resident on any one day	619	345	964

TABLE II.—*Showing the Admissions, Re-admissions, and Discharges from the opening of the Asylum to the present date, December 31st, 1896.*

	Males.	Females.	Total.	Males.	Females.	Total.
Admitted during the period of 22 years (direct from the several Parishes & Unions)	1,628	1,076	2,704			
Re-admissions	54	42	96			
Admitted from other Asylums of Board	230	211	441			
Total of Cases Admitted				1,912	1,329	3,241
	Males.	Females.	Total.			
Discharged—						
Recovered	49	52	101			
Improved	139	103	242			
Not improved	157	79	236			
To other Asylums of Board	504	427	931			
Died	429	314	743			
Total discharged and died during the 22 years				1,278	975	2,253
Remaining December 31st, 1896				634	354	988
Average numbers resident during the 22 years				378.6	247.9	626.5

TABLE III.—Showing the Admissions, Discharges, and Deaths, with the Mean Annual Mortality and proportion of Recoveries per cent. of the Admissions for the year 1887, and for each subsequent year.

Year.	Admitted.						Discharged.						Died.			Remaining December 31st in each year.			Average Numbers Resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers Resident.											
	From Parishes and Unions.			From other Asylums of board.			Total.		Re. covered.		Im. proved.		Not Im. proved.		To other Asylums of Board.		Total.		Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.		Total.	
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1887 ...	84	62	146	...	...	...	8	8	16	3	3	...	3	12	69	81	17	14	31	422	212	634	404.1	245.3	649.4	...	12.90	5.47	4.20	5.70	4.70		
1888 ...	74	40	114	21	40	61	2	...	12	14	26	8	22	124	46	170	29	12	41	341	221	562	417.3	217.6	635.4	2.10	...	6.94	5.51	6.45						
1889 ...	94	62	156	...	...	...	1	2	3	4	7	5	3	8	26	9	35	9	10	19	391	256	647	365.5	249.3	614.8	1.06	1.62	2.46	4.04	3.07		
1890 ...	96	62	158	52	42	94	2	1	3	5	3	11	13	9	22	...	...	12	10	22	504	337	841	466.4	311.6	777.8	1.35	0.95	2.57	3.24	2.82			
1891 ...	108	64	172	...	...	...	...	1	1	10	6	16	11	7	18	...	...	17	24	41	574	363	937	534.0	351.0	885.0	...	0.01	3.18	6.83	4.63
1892 ...	77	58	135	...	...	...	7	3	10	3	...	3	5	3	8	11	42	21	15	36	604	369	973	590.4	369.4	959.8	9.99	5.17	3.55	4.06	3.75		
1893 ...	88	72	160	...	...	...	4	7	11	6	11	17	11	6	17	45	89	40	23	63	590	357	947	592.5	354.9	946.1	4.54	9.72	6.70	6.40	6.60		
1894 ...	75	51	126	2	...	2	1	3	4	1	2	3	7	2	9	38	51	25	20	45	595	368	963	590.9	356.2	947.1	1.20	6.00	4.20	5.75	4.70					
1895 ...	96	56	152	1	1	2	10	3	13	10	2	12	5	3	8	25	70	12	12	24	630	360	990	607.7	365.4	973.1	10.52	5.26	1.90	3.33	2.42					
1896 ...	83	57	140	...	...	...	5	9	14	16	9	25	6	4	10	27	56	25	12	37	634	354	988	629.1	350.8	979.9	6.02	15.78	3.97	3.41	3.77		

TABLE IV.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients admitted during the Year 1896 direct from the Parishes and Unions.*

MENTAL DISEASES.	Males.	Females.	Total.
Idiocy	18	8	26
Idiocy and Epilepsy	18	10	28
Imbecility	30	23	53
Imbecility and Epilepsy	13	12	25
Of Weak Mind	4	4	8
Totals	83	57	140

TABLE V.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients resident in the Asylum on December 31st, 1896.*

MENTAL DISEASES.	Males.	Females.	Total.
Idiocy	94	80	174
Idiocy and Epilepsy	172	88	260
Imbecility	285	147	432
Imbecility and Epilepsy	77	31	108
Of Weak Mind	6	8	14
Totals	634	354	988

TABLE VI.—Showing the History of the Annual Admissions since the opening of the Asylum, with the Discharges and Deaths, and the numbers of each year's admissions remaining on December 31st, 1896

Year.	Admitted.						Of each Year's Admissions, Discharged, and Died, in 1896.						Total Discharged and Died of each Year's Admissions to December 31st, 1896.						Remaining of each Year's Admissions, December 31st 1896.																					
	From Parishes and Unions			From other Asylums of the Board.			Recovered.		Not Improved.		To other Asylums of Board.		Died.		Recovered.		Improved.		Not Improved.		To other Asylums of Board.		Died.		Males.	Females.	Total.													
	New Cases.	Males.	Females.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.													
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.													
1875	47	34	11	6	155	124	377	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1876	69	36	7	4	...	...	120	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1877	32	23	1	...	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1878	50	16	2	4	1	...	73	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1879	89	64	1	1	...	155	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1880	77	65	...	1	...	143	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1881	66	48	1	1	...	116	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1882	88	56	...	1	...	145	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1883	87	81	1	2	...	171	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1884	58	26	4	2	...	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1885	46	27	3	1	...	77	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1886	62	32	4	2	...	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1887	83	61	1	1	...	146	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1888	72	38	2	2	21	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1889	92	59	2	3	...	156	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1890	93	58	3	4	52	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1891	104	64	4	...	...	172	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1892	75	57	2	1	...	185	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1893	86	69	2	3	...	160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1894	75	51	2	...	...	128	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895	95	56	1	1	1	154	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1896	82	56	1	1	...	140	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals...	1628	1076	54	42	230	211	3241	5	9	14	16	9	25	6	4	10	27	29	56	25	12	37	49	52	101	139	103	242	157	79	233	504	427	931	429	314	743	634	354	988

TABLE VII.—Showing the Causes of Death during the year 1896, together with the Ages of the Decedents, calculated from the Ages stated on the Orders of Admission.

CAUSES OF DEATH.	Under 16		16.		17.		18.		19.		20 to 29.		TOTAL.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Total.
CEREBRAL OR SPINAL DISEASES—															
Epilepsy	10	4	3	...	1	...	1	1	1	1	2	3	18	9	27
Cerebral Sclerosis	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
THORACIC DISEASE—															
Tuberculosis	1	1	...	...	1	...	...	...	...	...	...	1	2	2	4
Bronchitis ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1
Cardiac Disease ...	2	...	...	...	...	...	...	...	...	...	...	...	2	...	2
ABDOMINAL DISEASE—															
Muco Enteritis ...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Shock—Poisoning by Jeye's Fluid	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
Totals	15	6	3	...	2	...	1	1	1	1	3	4	25	12	37

TABLE VIII.—Showing the length of Residence in those Discharged Recovered, and in those who have Died during the year 1896.

LENGTH OF RESIDENCE.	RECOVERED.			DIED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 Month... ..	...	...	...	...	...	...
From 1 to 3 Months ...	...	...	...	1	...	1
" 3 " 6 " ..	...	...	...	1	...	1
" 6 " 9 " ..	...	...	...	2	2	4
" 9 " 12 " ..	...	...	...	...	...	...
" 1 " 2 Years ...	1	2	3	3	2	5
" 2 " 3 " ..	1	2	3	2	1	3
" 3 " 5 " ..	...	1	1	4	2	6
" 5 " 7 " ..	...	2	2	3	1	4
" 7 " 10 " ..	2	2	4	5	3	8
" 10 " 12 " ..	...	...	...	3	...	3
" 12 " 14 " ..	1	...	1	...	...	...
" 14 " 16 " ..	...	...	...	1	1	2
" 16 " 18 " ..	...	...	...	...	...	...
" 18 " 20 " ..	...	...	...	...	...	...
Totals	5	9	14	25	12	37

TABLE IX.—Showing the Ages of Patients resident in the Asylum on December 31st, 1893, 1894, 1895, and 1896; calculated from the Ages stated on the Orders of Admission.

Years ending December 31st.	Under 16.		16.		17.		18.		19.		20.		20 to 30.		30 to 40.		40 to 50.		50 to 60.		60 to 70.		70 to 80.		TOTALS.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Total.		
	1893	365	217	47	39	46	17	27	13	35	7	30	20	40	25	15	1	590	357	947
1894	403	214	25	39	42	21	26	12	20	9	28	13	51	40	17	...	...	1	...	...	...	...	...	585	368	963
1895	415	238	27	24	23	17	47	16	31	14	28	12	56	18	3	17	...	2	...	...	...	...	...	630	360	990
1896	420	240	36	29	36	18	23	10	29	6	18	5	71	33	1	9	...	2	...	1	...	...	...	634	354	988

TABLE X.—*Showing the Ages of the Admissions, Discharges, and Deaths during the Year 1896, calculated from the Ages stated on the Orders of Admission.*

AGES.	THE ADMISSIONS.						THE DISCHARGES.						THE DEATHS.		
	From Parishes and Unions.			From other Asylums of the Board.			Recovered.			Removed, Improved, or Otherwise.			Males.	Females.	Total.
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
From 5 to 10 years	48	30	78	...	...	...	...	2	2	1	1	2	5	3	8
.. 10 .. 15 ..	33	22	55	...	...	...	1	1	2	2	5	7	7	3	10
.. 15 .. 20 ..	2	5	7	...	...	...	3	5	8	35	20	55	10	2	12
.. 20 .. 30 ..	...	...	...	...	...	...	1	1	2	11	9	20	3	4	7
.. 30 .. 40 ..	...	...	...	...	...	...	...	...	...	...	6	6	...	...	...
.. 40 .. 50 ..	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...
.. 50 .. 60 ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	83	57	140	...	...	...	5	9	14	49	42	91	25	12	37

TABLE XI.—*Showing the Departments where Patients were employed on December 31st, 1896.*

MALES.		FEMALES.	
Departments.	Numbers Employed.	Departments.	Numbers Employed.
Blocks	76	Laundry	17
Stores	1	Work Room	3
Kitchen	2	Helpers in Blocks	37
Tailors' Shop	34	Needlework in Blocks	5
Shoemakers' Shop	36	Centre	3
Mat Making	4	Mess Room	2
Grounds	1		
Total	154	Total	67
Total No. of Patients in Asylum	634	Total No. of Patients in Asylum	354

TABLE XII.—*Showing the probable causes of the Mental Condition of the Patients admitted during the Year 1896.*

CAUSES.	Males.	Females.	Total.
I. CONGENITAL—			
Fright of mother during pregnancy	4	1	5
Anxiety and worry of mother during pregnancy	7	4	11
Fright of mother during pregnancy, and difficult labour ...	6	2	8
Fright and anxiety of mother during pregnancy, and tedious labour	3	1	4
Tedious or difficult labour	4	2	6
Injury to mother during pregnancy	4	1	5
Excessive intemperance of parents	9	10	19
Unknown	5	3	8
Premature labour	4	2	4
II. ACQUIRED—			
Epilepsy	8	5	13
Convulsions	1	1	2
Measles	1	1	2
Severe injury to patient	4	3	7
Fright of patient	4	6	10
Illness of patient	5	1	6
Unknown	7	4	11
Not ascertained	7	10	17
Totals	83	57	140

In 25 cases there was a history of Intemperance in the parents.

In 22 cases there was a history of Insanity in the parents or near relatives.

In 5 cases there was a history of Imbecility in the parents.

In 10 cases there was a history of Epilepsy in the parents.

In 19 cases there was a history of Consumption in the family.

In 3 cases the parents were first cousins.

In 4 cases the parents were second cousins.

APPENDIX III.—MEDICAL SUPPLEMENT.

With the object of securing greater symmetry in the reports of the medical superintendents of the fever hospitals, it has been decided that for the future all matters possessing a purely medical interest shall be published in the form of a collective Medical Supplement, instead of being embodied, as hitherto, in the annual report which it is the custom for each of the medical superintendents to present to the committee of management of the hospital under his control.

The medical superintendents have long felt that the arrangement which has been in force up to the present was capable of improvement, as the unrivalled field of pathological observation provided in the hospitals of the Board has hitherto received but scant justice, and quite inadequate expression.

The Supplement will be edited by two of the medical superintendents to be chosen by their colleagues, and the editors will be responsible for the allotment of the space at their disposal.

It is intended that the Supplement shall contain various contributions from medical officers at present in the service on subjects connected with infectious disease, reports of cases and autopsies which present points of special interest, and those of the statistical tables which are of a purely technical character.

Owing to the lateness in the year at which the decision to issue a separate Medical Supplement was decided upon, it has been found impracticable to attempt much in the present instance beyond the revision of the tables dealing with the complications and intercurrent infections, and the inclusion of a review of the post-scarlatinal diphtheria cases which arose during the year.

We trust, however, that the new arrangement will tend to enhance the medical value of the Statistical Committee's Reports.

(Signed) F. FOORD CAIGER,
E. W. GOODALL,
Editors for 1896.

I. COMPLICATIONS.

The tables numbered I. to III. show the number of cases of scarlet fever, diphtheria, and enteric fever respectively in which some recognised complication supervened during the course of the attack, and Table IV., the number of cases in which two separate infectious diseases were coexistent at the time of admission.

No attempt has been made to indicate the relative incidence of the various complications at each hospital, as the proportion of patients who were transferred to one of the convalescent hospitals at Gore Farm or Winchmore Hill (the Northern) showed considerable variation, as did also the stage of the attack at which the different patients were transferred.

The percentage incidence on the total cases of each disease, however, is shown, and as they comprise more than 20,000 attacks, the tables are not devoid of significance.

In the above table, the term "albuminuria" includes all cases in which the faintest trace of albumin was detected in the urine at any time during the patients' residence in hospital.

The term "paralysis" is comprehensive, and includes all degrees of impairment of muscular power, from weakness of palate merely to a widespread loss of power in the trunk and limbs. A loss of patellar reflex simply is not held to be a sufficient qualification for the term.

The term "relapse" connotes an actual return of exudation.

Of the intercurrent infectious diseases, the incidence of scarlet fever, viz., 8.9 per cent., appears very high. A fertile source is the introduction into the ward of a case of diphtheria, which is subsequently found to be peeling from scarlet fever. The frequent occurrence of this risk may be inferred from an examination of Table IV. In this table it is seen that in more than 50 per cent. of the cases in which patients were recognised on admission to be suffering from a second infectious disease, the coexistent diseases proved to be scarlet fever and diphtheria; and when regard is paid to the frequency with which unrecognised cases must be admitted, owing to the difficulty attaching to their early detection, and the special susceptibility to scarlet fever evinced by children convalescent from diphtheria, it is not surprising that the incidence is high.

TABLE III.—*Showing incidence of Complications amongst 611 cases of Enteric Fever completed during the year 1896.*

	Eastern.	North-Eastern.	North-Western.	Western.	South-Western.	Fountain.	South-Eastern.	Brook.	Gore Farm.	Northern.	Total.	Percentage Incidence.
Hæmorrhage ...	4		10	6	14		15	4			53	8.6
Perforation ...	4		3	5	7		3				30	4.9
Phlebitis ...	4		3	3	1		1				21	3.4
Pneumonia ...	3		4	3	7		7				29	4.7
Pleuritis ...	3		...	4	1		3				16	2.6
Peritonitis ...	...		...	1	...		...				14	2.3
Periostitis ...	4		...	...	...		...				7	1.1
Broncho-pneumonia	3		...	...	1		4				7	1.1
Abscess ...	1		...	...	...		6				7	1.1
Parotitis ...	1		...	...	2		1				4	.6
Nephritis ...	1		2	...	...		1				4	.6
Dementia ...	...		...	...	1		1				2	.3
Relapse of Disease...	14		4	9	24		16	6			73	11.9
Specific Infectious Diseases } Diphtheria ...	...	No accommodation for Enteric Fever.	...	1	1	No accommodation for Enteric Fever.	3	2	No accommodation for Enteric Fever.	No accommodation for Enteric Fever.	7	1.1
Specific Infectious Diseases } Scarlet Fever ...	...		1	...	...		1	1			3	.4

In the above table the term "peritonitis" means peritonitis unconnected with perforation, and, therefore, not usually of a septic character.

The "parotitis" referred to is not specific parotitis.

In recording instances of "relapse" in enteric fever, it is unfortunate that so much difference of opinion exists among different medical men as to what degree of development of the symptoms may be held to justify the term "relapse." The word "relapse" here is meant to imply a re-access of fever, which may be taken as the expression of a recrudescence of the specific enteric process, not merely a return of pyrexia.

TABLE IV.—*Showing number of Cases in which two separate Infectious Diseases were co-existent on admission into the Acute Hospitals during the year 1896.*

DISEASES.	Eastern.	North-Eastern.	North-Western.	Western.	South-Western.	Fountain.	South-Eastern.	Brook.	Total.
Scarlet Fever and Diphtheria ...	46	10	37	43	30	73	59	2	300
Scarlet Fever and Whooping Cough ...	22	28	8	5	11	12	20	5	111
Scarlet Fever and Chickenpox ...	13	17	14	8	4	1	4	5	66
Scarlet Fever and Measles ...	5	13	2	8	5	...	3	1	37
Scarlet Fever and R6theln ...	...	4	...	1	...	...	...	...	5
Scarlet Fever and Enteric Fever ...	...	2	...	...	...	...	...	...	4
Diphtheria and Measles ...	7	...	3	8	1	2	19	...	40
Diphtheria and Whooping Cough ...	5	...	1	5	...	1	8	2	22
Diphtheria and Chickenpox ...	1	...	4	4	...	...	1	...	10
Total	90	74	71	82	51	89	114	15	595 { in 20,083 cases, or 2·9 per cent.

In the above table, the bacteriological test has been nearly always taken as the criterion in the diagnosis of diphtheria. In many of these concurrent attacks, the diagnosis of scarlet fever has rested entirely upon the appearance of typical desquamation subsequent to admission.

II. POST-SCARLATINAL DIPHTHERIA, 1896.

The first ten of the following tables demonstrate on a uniform basis of classification certain facts connected with the incidence and mortality of post-scarlatinal diphtheria in each of the ten fever hospitals during the past year.

It is obvious that no valid conclusion can be drawn as to comparative incidence of the disease amongst the total patients treated in each individual hospital, because the proportion of the scarlet fever patients admitted into the acute hospitals who were transferred to one of the country hospitals to complete their convalescence showed considerable variation, viz., from 53·3 per cent. of the admissions at the Western Hospital to 27·7 per cent. at the Brook Hospital.

The death rate, however, of those cases which actually arose in each of the hospitals is strictly comparable, and will be found in Table XI., which deals with the total number of attacks which occurred during the year.

EASTERN HOSPITAL.—TABLE I.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	J. B.	M	7	Faith	Sept. 30, 1895	Oct. 21, 1895	16	Faucial	R
2	E. S.	F	2	Courage	Oct. 3, "	Nov. 3, "	31	Nasal	R
3	W. K.	M	7	"	Nov. 1, "	Dec. 1, "	30	Faucial	R
4	A. M.	M	6	Mercy	Oct. 14, "	" 3, "	49	Faucial and Nasal	R
5	A. M.	F	5	Courage	Nov. 11, "	" 9, "	28	Faucial	R
6	A. F.	M	4	Hope	Dec. 11, "	Jan. 1, 1896	16	Faucial & Laryngeal	R
7	E. R.	F	7	Courage	" 11, "	" 2, "	16	Faucial	R
8	A. B.	F	10	Hut	" 14, "	" 3, "	17	"	R
9	I. S.	M	2	Courage	" 2, "	" 4, "	29	"	R
10	S. N.	F	5	"	" 7, "	" 6, "	17	"	R
11	L. P.	F	4	Joy	" 31, "	" 15, "	13	"	R
12	P. D.	M	7	Mercy	Nov. 8, "	" 17, "	64	"	R
13	T. H.	M	4	Courage	Jan. 3, 1896	" 22, "	15	Faucial & Laryngeal	D
14	A. C.	F	4	Hut	Dec. 6, 1895	" 22, "	34	Faucial, Nasal, and Laryngeal	R
15	H. B.	M	6	Joy	" 29, "	" 24, "	25	Faucial and Nasal	R
16	E. R.	F	3	Hut	" 11, "	Feb. 2, "	52	Laryngeal & Nasal	D
17	C. U.	M	8	Faith	Feb. 1, 1896	" 6, "	4	Faucial	R
18	F. S.	M	13	Honour	Dec. 28, 1895	" 18, "	47	"	R
19	E. E.	F	3	Joy	Jan. 14, 1896	" 19, "	28	Nasal	R
20	D. P.	F	5	Hope	Feb. 2, "	" 20, "	17	Faucial	R
21	R. C.	F	2	Joy	Jan. 17, "	" 23, "	36	Faucial and Nasal	R
22	R. A.	F	2	Hope	" 24, "	" 24, "	29	Faucial	R
23	A. V.	F	4	"	" 16, "	" 27, "	35	"	R
24	N. T.	F	7	Courage	" 10, "	Mar. 8, "	53	"	R
25	W. E.	M	5	Temperance	Feb. 15, "	" 11, "	16	Faucial and Nasal	R
26	A. H.	F	3	Fortitude	" 14, "	" 11, "	23	Faucial & Laryngeal	D
27	M. R.	F	4	Hope	" 15, "	Apr. 3, "	47	Faucial and Nasal	R
28	R. S.	M	6	"	Mar. 11, "	" 4, "	22	Faucial	R
29	D. N.	F	3	Truth	Jan. 14, "	" 4, "	78	Nasal	R
30	J. H.	M	4	Hope	Feb. 9, "	" 6, "	54	Faucial and Nasal	R
31	A. G.	F	4	Temperance	Mar. 5, "	" 6, "	29	"	R
32	N. G.	F	7	Courage	" 19, "	" 7, "	17	Faucial	R
33	F. B.	M	13	Mercy	Apr. 8, "	" 19, "	10	"	R
34	H. B.	M	6	Temperance	May 14, "	June 12, "	22	Nasal	R
35	R. P.	F	11	Fortitude	Apr. 17, "	" 13, "	57	Faucial	R
36	G. W.	M	6	"	June 2, "	" 18, "	14	Faucial and Nasal	R
37	A. A.	M	4	"	May 29, "	" 19, "	20	"	R
38	R. K.	M	7	Faith	June 14, "	July 4, "	14	"	R
39	M. A.	M	11	Joy	Sept. 16, "	Nov. 10, "	47	"	R

NORTH-EASTERN HOSPITAL.—TABLE II.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	A. P.	F	8	5	Sept. 5, 1895	Nov. 3, 1895	60	Faucial	R
2	N. K.	F	6	5	Oct. 19, "	" 15, "	21	"	R
3	T. T.	M	7	21	" 31, "	Dec. 2, "	27	"	R
4	T. L.	M	5	21	Nov. 8, "	" 22, "	40	"	R
5	R. H.	F	3	11	" 3, "	" 22, "	38	"	R
6	H. F.	M	2	11	Dec. 3, "	" 23, "	15	"	R
7	W. C.	M	4	11	Sept. 13, "	" 24, "	97	"	R
8	F. G.	F	3	11	Oct. 4, "	" 27, "	85	"	R
9	D. P.	M	11 ²	12	" 14, "	" 27, "	72	"	R
10	S. B.	M	2	13	Nov. 18, "	" 29, "	31	Faucial & Laryngeal	D
11	A. J.	M	4	19	Dec. 10, "	Jan. 1, 1896	29	"	R
12	M. R.	F	4	9	Nov. 3, "	" 3, "	53	"	R
13	A. W.	M	6	19	Dec. 5, "	" 4, "	25	"	R
14	V. H.	M	12	17	Jan. 14, 1896	Feb. 6, "	21	Faucial	R
15	A. C.	F	8	9	" 18, "	" 12, "	24	Faucial & Laryngeal	D
16	J. C.	M	11 ²	20	Feb. 13, "	Mar. 16, "	31	Laryngeal	R
17	A. J.	M	11 ²	20	" 29, "	" 22, "	37	"	D
18	N. A.	F	2	13	" 19, "	Apr. 4, "	41	Faucial & Laryngeal	D
19	G. H.	M	4	20	" 28, "	" 13, "	25	Faucial	R
20	J. H.	M	2 ³	2	Mar. 6, "	" 25, "	50	Faucial & Laryngeal	R
21	E. M.	M	4	13	May 10, "	June 11, "	29	Faucial	R
22	K. W.	F	4	4	July 6, "	July 28, "	19	"	R
23	B. B.	F	8	10	" 18, "	Aug. 9, "	7	"	D
24	V. M.	F	2	4	" 27, "	Sept. 5, "	34	"	R
25	E. W.	F	3	7	Sept. 3, "	" 9, "	5	Faucial & Laryngeal	R
26	E. F.	M	30	17	Aug. 11, "	" 30, "	42	Faucial	R
27	M. M.	F	9	10	" 28, "	Oct. 17, "	46	"	D
28	G. W.	F	2	12	Sept. 24, "	" 26, "	29	"	R
29	E. H.	F	4	4	Oct. 6, "	Nov. 17, "	41	"	R
30	W. B.	M	11	18	Sept. 23, "	" 17, "	47	"	R
31	A. B.	F	25	6	Oct. 26, "	" 23, "	17	"	R
32	A. W.	M	10	19	" 1, "	" 24, "	49	Faucial & Laryngeal	D
33	A. K.	M	7	19	" 24, "	" 26, "	30	Faucial	R
34	W. E.	M	7	19	" 11, "	" 30, "	46	"	R

NORTH-WESTERN HOSPITAL.—TABLE III.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	E. J.	F	5	E	Jan. 15, 1896	Feb. 1, 1896	17	Faucial & Laryngeal	R ...
2	W. W.	M	2	A	Feb. 21, "	Mar. 13, "	20	Faucial, Nasal, and Laryngeal	R ...
3	A. H.	F	6	B	June 1, "	July 12, "	41	Faucial & Laryngeal	R ...
4	C. H.	M	4	A	" 10, "	" 6, "	26	Faucial ...	R ...
5	H. H.	M	3½	A	" 10, "	" 15, "	35	Laryngeal ...	D ...
6	A. B.	F	6	A	" 17, "	" 29, "	42	Faucial ...	R ...
7	M. H.	F	1½	E	July 7, "	Oct. 3, "	88	Laryngeal ...	D ...
8	L. B.	F	5	B	Aug. 13, "	Aug. 25, "	12	Faucial and Nasal	D ...
9	A. J.	F	4	B	" 26, "	Sept. 13, "	18	Faucial ...	R ...
10	A. R.	M	3½	No. 3	Sept. 23, "	Oct. 16, "	23	" ...	R ...
11	R. F.	F	1½	" 3	" 29, "	Nov. 11, "	43	Laryngeal ...	R ...
12	R. F.	F	1½	" 3	Oct. 19, "	" 3, "	21	Vulval ...	R ...
13	E. E.	F	2	" 5	Nov. 3, "	Dec. 1, "	28	Laryngeal ...	R ...

WESTERN HOSPITAL.—TABLE IV.—*Post-Scarlatinal Diphtheria*.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	E. W.	F	3	8	Nov. 5, 1895	Nov. 28, 1895	5	Laryngeal ...	R ...
2	T. H.	M	1½	11	" 12, "	Dec. 7, "	17	Faucio-laryngeal ...	R ...
3	R. R.	M	2	14	" 16, "	" 11, "	21	Faucial ...	R ...
4	F. S.	F	3	14	Dec. 4, "	" 14, "	9	" ...	R ...
5	N. P.	F	3	9	Feb. 3, 1896	Mar. 5, 1896	28	Faucio-laryngeal ...	R ...
6	S. A.	F	1	2	" 12, "	Apr. 4, "	49	Laryngeal ...	D ...
7	A. G.	F	2	11	" 18, "	Mar. 4, "	12	Faucio-laryngeal ...	R ...
8	E. S.	M	1½	14	" 24, "	" 29, "	30	" ...	R ...
9	L. S.	F	5	12	Mar. 6, "	May 1, "	56	Faucial ...	R ...
10	G. M.	F	3	11	" 15, "	Apr. 2, "	17	" ...	R ...
11	E. O.	F	5	13	Apr. 2, "	" 27, "	23	Laryngeal ...	R ...
12	H. S.	M	14	4	" 13, "	May 13, "	29	" ...	D ...
13	H. H.	M	5	9	" 16, "	" 4, "	17	" ...	R ...
14	E. P.	F	5	12	" 17, "	Apr. 29, "	9	Faucial ...	R ...
15	F. W.	M	3	2	" 24, "	May 31, "	22	" ...	D ...
16	H. W.	M	4	2	" 26, "	" 18, "	9	" ...	R ...
17	A. E.	F	5	4	" 27, "	" 10, "	12	" ...	R ...
18	M. R.	F	3	8	May 1, "	June 23, "	51	Faucio-laryngeal ...	R ...
19	F. A. S.	F	3	8	" 3, "	May 27, "	21	Faucial ...	R ...
20	H. M.	M	3	9	" 3, "	June 29, "	51	" ...	D ...
21	V. P.	F	14	4	" 11, "	July 18, "	65	" ...	R ...
22	F. E.	F	10	3	" 17, "	June 5, "	17	" ...	R ...
23	M. P.	F	2	13	" 23, "	" 21, "	25	Faucio-laryngeal ...	R ...
24	N. O.	F	4	14	" 25, "	July 18, "	51	Faucial ...	R ...
25	C. N.	M	5	3	" 29, "	June 18, "	16	Faucio-laryngeal ...	D ...
26	A. V.	F	3	3	June 1, "	" 24, "	22	Faucial ...	R ...
27	T. C.	F	11	2	" 15, "	July 7, "	22	" ...	R ...
28	M. R.	F	19	11	" 17, "	" 2, "	10	" ...	R ...
29	E. C.	F	5	8	" 17, "	" 7, "	10	" ...	R ...
30	A. J.	M	3	8	" 20, "	" 20, "	25	" ...	R ...
31	J. M.	M	3	3	" 21, "	Aug. 6, "	40	" ...	R ...
32	N. C.	F	3	3	" 22, "	July 14, "	19	Laryngeal ...	R ...
33	G. M.	F	9	3	" 23, "	Aug. 7, "	43	Faucial ...	R ...
34	E. S.	F	5	3	" 24, "	July 7, "	35	" ...	R ...
35	L. S.	F	2	13	July 2, "	Aug. 2, "	25	" ...	R ...
36	C. M.	M	2	3	" 3, "	July 30, "	16	" ...	R ...
37	H. M.	F	6	13	" 10, "	Aug. 9, "	25	" ...	R ...
38	E. B.	F	2	14	" 19, "	" 19, "	30	" ...	R ...
39	W. L.	M	3	3	" 20, "	" 17, "	25	" ...	R ...
40	D. B.	F	8	8	" 23, "	" 11, "	18	" ...	R ...
41	E. B.	F	1½	8	" 24, "	" 12, "	20	" ...	R ...
42	F. B.	M	4	3	" 26, "	" 20, "	20	" ...	R ...
43	A. B.	F	7	13	" 27, "	" 8, "	11	" ...	R ...
44	C. G.	F	1½	3	" 31, "	" 30, "	30	" ...	R ...
45	A. S.	M	7	10	Aug. 5, "	" 30, "	23	" ...	R ...
46	A. M.	M	4	2	" 6, "	Sept. 5, "	29	" ...	R ...
47	M. P.	F	3	3	" 8, "	" 2, "	22	Laryngeal ...	R ...
48	R. T.	M	11½	13	" 9, "	Aug. 23, "	11	Faucio-laryngeal ...	R ...
49	E. S.	F	7	8	" 9, "	" 29, "	15	Faucial ...	R ...
50	L. L.	F	9	8	" 16, "	Sept. 4, "	7	" ...	R ...
51	A. F.	F	8	14	" 17, "	" 19, "	31	" ...	R ...
52	F. P.	M	2	8	" 17, "	" 11, "	23	" ...	R ...
53	B. O.	F	2	14	" 17, "	" 4, "	15	" ...	R ...
54	A. K.	M	3	3	" 21, "	" 13, "	18	Faucio-laryngeal ...	R ...
55	R. H.	F	21	8	" 22, "	" 12, "	13	Faucial ...	R ...
56	M. R.	F	1	8	" 26, "	Oct. 4, "	37	Faucio-laryngeal ...	R ...
57	L. T.	F	6	14	Sept. 2, "	Sept. 18, "	14	" ...	R ...
58	A. C.	M	6	14	" 15, "	Oct. 3, "	11	Faucial ...	R ...
59	L. H.	M	5	9	" 22, "	" 13, "	29	" ...	R ...
60	L. S.	F	2	13	" 25, "	Nov. 4, "	36	" ...	R ...
61	L. F.	F	3	8	" 25, "	Oct. 15, "	16	Faucio-nasal ...	R ...
62	F. G.	F	20	8	" 30, "	" 14, "	9	Faucial ...	R ...
63	J. P.	M	9	10	Oct. 12, "	" 30, "	15	" ...	R ...

SOUTH-WESTERN HOSPITAL.—TABLE V.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	W. L.	M	5	Haygarth	Sept. 18, 1895	Nov. 14, 1895	54	Faucio-nasal ...	R ...
2	F. M.	M	1	Harvey	Nov. 28, "	Jan. 7, 1896	35	Laryngeal ...	R ...
3	G. F.	M	1	Soper	Dec. 1, "	" 1, "	25	Faucio-laryngeal ...	D ...
4	M. W.	F	3	Wilkins	" 7, "	" 9, "	30	Faucio-nasal ...	R ...
5	E. P.	M	4	Haygarth	" 15, "	Dec. 28, 1895	8	" ...	R ...
6	C. D.	M	5	Wilkins	" 22, "	Feb. 9, 1896	47	Faucial ...	R ...
7	F. A.	M	9	Haygarth	Jan. 7, 1896	Jan. 29, "	18	" ...	R ...
8	L. C.	F	5	Harvey	" 16, "	Apr. 6, "	80	Faucio-nasal ...	R ...
9	S. M.	M	8	South	" 25, "	Mar. 29, "	59	Faucio-laryngeal ...	R ...
10	F. L.	M	9	Bostock	Feb. 9, "	Apr. 9, "	52	Laryngeal ...	R ...
11	A. A.	F	6	Lockyer	" 10, "	Mar. 9, "	26	Faucio-laryngeal ...	R ...
12	G. P.	M	2	Devon	" 12, "	" 13, "	29	Faucio-nasal ...	R ...
13	J. F.	M	3	South	" 21, "	Apr. 5, "	43	Faucial ...	R ...
14	R. S.	F	13	Wilkins	Mar. 4, "	Mar. 30, "	25	" ...	R ...
15	J. S.	F	6	Wilkins	" 4, "	" 21, "	16	" ...	R ...
16	H. D.	M	3	South	" 17, "	Apr. 8, "	19	" ...	R ...
17	A. B.	M	4	Bostock	" 29, "	May 31, "	71	Faucio-nasal ...	R ...
18	M. M.	M	7	Haygarth	July 18, "	Aug. 10, "	29	Faucial ...	R ...
19	F. F.	F	10	Lockyer	" 21, "	" 13, "	19	Faucio-laryngeal ...	R ...
20	V. W.	M	7	Haygarth	Aug. 2, "	" 25, "	9	Faucial ...	R ...
21	E. P.	F	9	North	" 12, "	" 29, "	16	Faucio-nasal ...	R ...
22	A. M.	M	5	Devon	" 23, "	Oct. 11, "	39	Faucial ...	R ...
23	D. M.	F	2	Lockyer	Sept. 16, "	Nov. 27, "	69	" ...	D ...
24	W. S.	M	2	Haygarth	Oct. 13, "	" 4, "	19	Faucio-nasal ...	R ...

FOUNTAIN HOSPITAL.—TABLE VI.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	M. D.	F	2	8	Dec. 23, 1895	Jan. 7, 1896	13	Faucial ...	R ...
2	C. T.	M	4	8	Oct. 23, "	" 11, "	65	" ...	R ...
3	P. R.	F	8	3	" 16, "	Nov. 24, 1895	31	" ...	R ...
4	J. H.	M	7	10	" 19, "	" 7, "	14	" ...	R ...
5	H. B.	M	14	9	" 25, "	Jan. 1, 1896	53	" ...	R ...
6	S. F.	M	9½	11	" 27, "	Feb. 4, "	91	" ...	R ...
7	G. T.	F	4½	8	Nov. 4, "	Jan. 6, "	46	" ...	R ...
8	A. L.	M	4	8	" 5, "	Dec. 6, 1895	23	" ...	R ...
9	H. S.	F	3	8	" 9, "	" 26, "	26	Faucial & Laryngeal	R ...
10	A. P.	M	3	8	" 15, "	" 22, "	31	" ...	R ...
11	T. B.	M	4	8	" 20, "	Jan. 14, 1896	52	" ...	R ...
12	E. A.	F	4	6	" 27, "	" 12, "	46	" ...	R ...
13	A. T.	M	3	6	Dec. 7, "	" 1, "	22	Faucial ...	R ...
14	E. J.	M	4	8	" 14, "	" 9, "	20	" ...	R ...
15	C. P.	M	5	10	" 14, "	Mar. 10, "	86	" ...	R ...
16	P. S.	M	3	1	" 16, "	Jan. 9, "	20	" ...	R ...
17	F. M.	M	6	9	" 20, "	" 1, "	8	" ...	R ...
18	J. M.	F	4	3	" 25, "	" 15, "	16	Faucial & Laryngeal	R ...
19	A. C.	M	7	10	Jan. 3, 1896	Mar. 5, "	59	Faucial ...	R ...
20	C. D.	F	4	7	" 15, "	" 11, "	48	" ...	D ...
21	L. D.	F	6	3	Feb. 2, "	Feb. 22, "	18	" ...	R ...
22	C. C.	M	8	10	" 4, "	Mar. 9, "	31	" ...	R ...
23	E. R.	F	5	5	" 6, "	" 10, "	29	" ...	R ...
24	M. A. A.	F	2	3	" 7, "	Feb. 13, "	33	" ...	R ...
25	W. A.	F	4	5	" 9, "	Mar. 10, "	29	" ...	R ...
26	M. J. P.	F	5	8	" 9, "	May 11, "	90	" ...	R ...
27	V. W.	F	1½	6	" 19, "	Feb. 23, "	11	" ...	R ...
28	F. L.	M	3	9	" 13, "	Apr. 5, "	51	Faucial & Laryngeal	D ...
29	A. C.	F	5	2	" 19, "	Mar. 11, "	20	Faucial ...	R ...
30	W. H.	M	3	8	Mar. 10, "	May 22, "	71	" ...	R ...
31	L. H.	F	4	2	Feb. 23, "	Mar. 18, "	22	" ...	R ...
32	A. C.	M	1½	1	" 24, "	Apr. 5, "	41	" ...	R ...
33	H. J.	M	4	6	Mar. 3, "	" 2, "	28	" ...	R ...
34	H. J.	M	5	10	" 26, "	May 6, "	37	Faucial & Laryngeal	R ...
35	E. H.	F	10	4	" 29, "	" 12, "	14	Faucial ...	R ...
36	H. F.	M	1½	8	Apr. 10, "	" 10, "	30	" ...	R ...
37	C. L.	M	3	2	" 14, "	" 28, "	44	Faucial & Laryngeal	R ...
38	L. H.	F	6	4	" 26, "	" 11, "	13	Faucial ...	R ...
39	S. H.	F	7	4	" 27, "	" 15, "	17	" ...	R ...
40	A. T.	M	2	5	May 16, "	June 26, "	35	Faucial & Laryngeal	R ...
41	N. S.	M	9	11	" 22, "	" 13, "	21	Faucial ...	R ...
42	G. E.	F	5	3	June 10, "	July 7, "	24	" ...	R ...
43	A. S.	M	6	7	Aug. 8, "	Sept. 13, "	30	" ...	R ...
44	F. P.	F	5	8	" 10, "	" 16, "	27	" ...	R ...
45	J. S.	F	3	7	" 16, "	" 6, "	17	" ...	D ...
46	R. D.	M	4	11	" 18, "	" 16, "	25	" ...	R ...
47	W. B.	M	5	11	" 25, "	" 27, "	32	" ...	R ...
48	F. H.	F	8	8	Sept. 5, "	" 19, "	16	" ...	R ...
49	G. T.	M	6	10	Aug. 26, "	" 24, "	21	" ...	R ...
50	G. C.	F	5	8	Sept. 8, "	Oct. 30, "	41	" ...	R ...
51	L. W.	M	5	12	" 20, "	" 16, "	23	" ...	R ...
52	M. W.	F	1½	4	Oct. 7, "	" 31, "	17	" ...	D ...
53	E. B. W.	F	5	5	" 22, "	Nov. 14, "	17	" ...	R ...
54	G. W.	F	14	3	" 26, "	Dec. 4, "	37	" ...	R ...
55	V. H.	F	9	3	" 28, "	Nov. 29, "	23	" ...	R ...

SOUTH-EASTERN HOSPITAL.—TABLE VII.—*Post-Scarlatinal Diphtheria, 1896.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	F. C.	M	3	18	Sept. 16, 1895	Sept. 29, 1895	13	Faucial ...	R ...
2	L. D.	F	13	12	Nov. 13, "	Dec. 6, "	17	" ...	R R ...
3	H. M.	M	9	10	" 1, "	" 1, "	22	" ...	R R ...
4	H. W.	M	13	8	" 4, "	Nov. 30, "	21	" ...	R R ...
5	E. H.	F	6	12	" 4, "	" 15, "	6	" ...	R R ...
6	M. H.	F	3	12	Oct. 12, "	Dec. 21, "	53	" ...	R R ...
7	M. G.	F	2	12	Aug. 5, "	Nov. 12, "	89	Faucial and Vulval	R R ...
8	E. W.	F	7	12	Oct. 26, "	" 18, "	16	Faucial ...	R ...
9	S. H.	M	3	10	Dec. 31, "	Jan. 26, 1896	25	" ...	D ...
10	H. L.	M	2	13	Nov. 17, "	Dec. 23, 1895	34	Faucial, Nasal, and Laryngeal	R ...
11	C. R.	M	2	10	Dec. 24, "	Jan. 31, 1896	31	Faucial, Nasal, and Laryngeal	... D
12	F. W.	F	2	12	Feb. 6, 1896	Feb. 23, "	14	Faucial ...	D ...
13	H. W.	F	3	11	Dec. 19, 1895	Jan. 28, "	35	Faucial, Nasal, and Laryngeal	... D
14	A. J.	F	4	13	Nov. 26, "	" 16, "	47	Faucial ...	R ...
15	C. J.	M	7	9	Feb. 23, 1896	Feb. 28, "	3	Faucial and Nasal...	... D
16	E. B.	F	2	6	Jan. 13, "	" 7, "	16	Faucial ...	R ...
17	A. W.	F	3	12	Dec. 18, 1895	Jan. 1, "	11	" ...	R ...
18	L. G.	F	4	11	" 14, "	Feb. 22, "	63	" ...	R ...
19	J. A.	F	9	12	Jan. 7, 1896	" 15, "	37	" ...	R ...
20	M. O.	F	2	3	" 10, "	Jan. 28, "	13	" ...	R ...
21	W. D.	M	5	Hut	" 15, "	Febr. 15, "	28	" ...	R ...
22	E. W.	F	7	12	Dec. 7, 1895	Jan. 22, "	32	" ...	R ...
23	F. S.	M	8	9	" 5, "	Dec. 23, 1895	13	" ...	R ...
24	O. A.	M	3	3	Jan. 9, 1896	Jan. 15, 1896	8	" ...	R ...
25	F. A.	F	13	11	Mar. 20, "	Mar. 25, "	4	" ...	R ...
26	S. W.	F	11	10	Dec. 31, 1895	" 10, "	67	" ...	R ...
27	A. W.	F	10	11	Feb. 26, 1896	" 25, "	25	" ...	R ...
28	L. G.	F	5	11	Apr. 22, "	May 27, "	34	" ...	R ...
29	A. M.	F	4	11	June 29, "	July 8, "	8	" ...	R ...
30	J. H.	M	6	11	July 25, "	Aug. 28, "	9	" ...	R ...
31	D. D.	F	4	13	Aug. 20, "	Sept. 11, "	17	" ...	R ...
32	F. B.	M	6	11	July 5, "	Aug. 9, "	31	" ...	R ...
33	J. M.	M	6	Hut	Aug. 21, "	Sept. 15, "	24	Faucial and Nasal...	R ...
34	C. M.	M	7	11	" 16, "	" 11, "	23	Faucial ...	R ...
35	J. D.	F	21	11	" 1, "	Oct. 2, "	37	" ...	R ...
36	D. N.	F	3	11	June 18, "	Aug. 19, "	58	Faucial and Nasal...	R ...
37	S. B.	F	8	11	Aug. 19, "	" 27, "	6	Faucial ...	R ...

BROOK HOSPITAL.—TABLE VIII.—*Post-Scarlatinal Diphtheria, 1896.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	A. J.	M	6	A 1	Aug. 16, 1896	Oct. 16, 1896	47	Faucial ...	R ...
2	L. H.	F	17	C 2	Sept. 5, "	" 18, "	31	" ...	R ...
3	A. B.	F	5	C 2	Aug. 29, "	Nov. 24, "	83	Nasal ...	R ...
4	H. H.	M	2½	F 1	Oct. 8, "	Dec. 22, "	73	" ...	R ...
5	P. W.	M	3	Q	" 22, "	Nov. 17, "	25	Faucial ...	R ...
6	E. H.	F	4	C 2	" 30, "	Dec. 28, "	54	Nasal ...	R ...
7	B. W.	F	4	D 2	Nov. 11, "	" 2, "	19	Laryngeal ...	D ...
8	E. H.	F	30	B 1	" 20, "	" 19, "	28	Faucial ...	R ...
9	E. E.	F	7	B 1	" 13, "	" 28, "	44	" ...	R ...
10	A. L.	M	5	R	Sept. 27, "	" 17, "	78	" ...	R ...

GORE FARM HOSPITAL.—TABLE IX.—*Post-Scarlatinal Diphtheria*, 1896.

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	W. B.	M	6	M	Oct. 28, 1895	Jan. 1, 1896	4	Faucial and Nasal	R ..
2	E. L.	M	5	M	Dec. 14, "	" 13, "	10	Faucial	R ..
3	A. W.	F	4	P	" 1, "	" 6, "	10	"	R ..
4	R. H.	M	9	I	" 11, "	Feb. 11, "	26	"	R ..
5	D. G.	F	7	M	Oct. 26, "	Jan. 1, "	8	"	R ..
6	G. C.	F	11	N	Nov. 22, "	" 16, "	13	"	R ..
7	R. J.	F	7	N	Oct. 28, "	" 6, "	3	"	R ..
8	E. S.	F	8	Q	Dec. 19, "	" 26, "	16	"	R ..
9	F. C.	F	10	Q	" 16, "	" 23, "	13	"	R ..
10	E. T.	F	10	M	Nov. 18, "	" 1, "	7	"	R ..
11	A. R.	F	5	P	Dec. 5, "	" 17, "	21	"	R ..
12	T. P.	M	9	I	Sept. 26, "	" 23, "	2	"	R ..
13	G. B.	M	5	O	Nov. 23, "	Feb. 16, "	25	"	R ..
14	T. B.	M	12	T	Jan. 11, 1896	Mar. 1, "	23	"	R ..
15	F. C.	M	7	I	Dec. 10, 1895	Feb. 7, "	16	"	R ..
16	E. B.	F	10	N	" 31, "	" 9, "	18	"	R ..
17	J. S.	F	10	C	Jan. 4, 1896	" 14, "	17	"	R ..
18	E. C.	F	12	B	Dec. 23, 1895	" 16, "	12	"	R ..
19	E. W.	F	12	O	Nov. 26, "	Jan. 22, "	18	"	R ..
20	J. H.	M	7	I	Oct. 5, "	" 30, "	9	"	R ..
21	J. E.	M	10	T	Jan. 15, 1896	Feb. 22, "	12	"	R ..
22	M. H.	F	6	O	" 12, "	Mar. 2, "	7	"	R ..
23	A. T.	F	4	O	Dec. 25, 1895	Feb. 26, "	33	"	R ..
24	R. D.	F	11	N	" 31, "	" 17, "	5	"	R ..
25	A. C.	F	6	Q	" 8, "	Jan. 24, "	13	"	R ..
26	C. B.	F	10	O	Jan. 8, 1896	Feb. 28, "	9	"	R ..
27	B. I.	F	7	Q	" 21, "	Mar. 11, "	25	"	R ..
28	C. U.	F	7	Q	" 22, "	" 8, "	22	"	R ..
29	R. C.	F	9	Q	Dec. 21, 1895	Feb. 12, "	32	"	R ..
30	A. L.	F	33	C	Jan. 12, 1896	Mar. 15, "	32	"	R ..
31	C. F.	F	13	O	" 31, "	" 17, "	14	"	R ..
32	E. S.	F	13	O	Feb. 3, "	" 17, "	21	"	R ..
33	C. C.	M	5	A	Dec. 13, 1895	" 23, "	61	"	R ..
34	M. N.	F	6	Q	" 26, "	Feb. 22, "	26	"	R ..
35	R. L.	M	11	I	Feb. 27, 1896	Apr. 15, "	23	"	R ..
36	W. C.	F	9	Q	" 13, "	" 3, "	22	"	R ..
37	E. V.	F	12	A	" 20, "	" 12, "	20	"	R ..
38	B. C.	M	7	I	Dec. 31, 1895	Mar. 16, "	45	"	R ..
39	A. D.	F	3	Q	" 14, 1896	" 22, "	52	"	R ..
40	E. S.	F	8	O	Feb. 11, "	Apr. 17, "	25	"	R ..
41	E. B.	F	6	N	" 17, "	" 20, "	14	"	R ..
42	R. F.	F	4	E	" 16, "	Mar. 25, "	10	"	R ..
43	E. M.	M	4	A	Jan. 19, "	Apr. 7, "	35	"	R ..
44	A. L.	M	6	P	Dec. 7, 1895	Feb. 22, "	47	"	R ..
45	W. C.	M	5	A	Mar. 26, 1896	Apr. 20, "	2	"	R ..
46	E. W.	F	8	C	Jan. 5, "	Feb. 19, "	22	"	R ..
47	M. C.	F	13	P	Mar. 17, "	May 28, "	52	"	R ..
48	F. H.	M	21	J	Apr. 2, "	" 21, "	23	"	R ..
49	F. M.	M	10	S	Feb. 2, "	June 1, "	69	"	R ..
50	G. H.	M	6	B	Jan. 30, "	May 28, "	37	Faucial and Nasal	R ..
51	D. R.	F	11	B	Apr. 4, "	June 4, "	36	Faucial	R ..
52	S. V.	M	7	I	Mar. 17, "	" 12, "	45	"	R ..
53	R. H.	M	6	S	Apr. 29, "	" 10, "	15	"	R ..
54	G. Y.	M	7	R	Mar. 14, "	May 29, "	17	"	R ..
55	A. P.	M	5	S	" 14, "	June 12, "	23	"	R ..
56	T. G.	M	4	O	" 21, "	May 28, "	37	"	R ..
57	J. S.	F	11	M	Feb. 13, "	" 18, "	26	"	R ..
58	F. S.	M	13	I	Apr. 23, "	June 24, "	27	"	R ..
59	F. R.	F	9	O	May 1, "	" 17, "	5	"	R ..
60	H. K.	M	15	T	" 23, "	" 26, "	7	"	R ..
61	A. C.	F	13	O	Apr. 4, "	" 10, "	35	"	R ..
62	E. J.	F	4	F	" 2, "	" 25, "	49	"	R ..
63	E. G.	M	10	T	" 23, "	" 6, "	17	"	R ..
64	R. C.	F	5	B	Mar. 27, "	" 20, "	33	"	R ..
65	N. L.	M	7	O	Apr. 26, "	" 13, "	23	"	R ..
66	E. J.	F	5	E	" 19, "	" 27, "	43	"	R ..
67	A. H.	F	6	A	" 22, "	" 11, "	15	"	R ..
68	J. D.	M	4	S	" 21, "	" 28, "	24	"	R ..
69	G. C.	M	3	T	Apr. 17, "	June 21, "	15	"	R ..
70	E. R.	F	9	F	May 25, "	" 17, "	9	"	R ..
71	A. T.	M	7	C	Apr. 23, "	May 24, "	3	"	R ..
72	W. G.	M	4	R	Mar. 17, "	June 6, "	25	"	R ..
73	W. B.	M	7	R	" 15, "	" 4, "	30	"	R ..
74	D. M.	M	5	R	May 14, "	" 27, "	7	"	R ..
75	A. B.	M	8	J	Apr. 30, "	" 25, "	14	"	R ..
76	J. J.	M	9	J	June 8, "	Aug. 2, "	55	"	R ..
77	L. R.	F	4	A	July 13, "	" 14, "	9	"	D
78	G. P.	F	7	A	Mar. 14, "	June 1, "	18	Faucial & Laryngeal	R ..
79	K. N.	F	4	A	May 31, "	July 3, "	10	Faucial	R ..
80	A. C.	F	8	F	" 4, "	June 27, "	19	"	R ..

GORE FARM HOSPITAL.—TABLE IX.—*Post-Scarlatinal Diphtheria, 1896—contd.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
81	A. J.	F	6	C	May 29, 1896	June 21, 1896	2	Faucial	R ..
82	M. C.	F	3	A	June 5, ..	July 8, ..	8	"	R ..
83	H. B.	M	6	N	May 17, ..	" 9, ..	21	Faucial and Nasal	R ..
84	L. H.	F	8	A	" 23, ..	" 17, ..	24	Faucial	R ..
85	C. S.	M	3	B	Apr. 5, ..	June 21, ..	16	"	R ..
86	A. E.	F	8	A	June 3, ..	July 21, ..	21	Faucial and Nasal	R ..
87	R. B.	F	7	N	" 3, ..	" 24, ..	24	Faucial	R ..
88	G. M.	M	11	L	" 13, ..	" 30, ..	21	"	R ..
89	B. L.	M	16	K	" 18, ..	" 30, ..	15	"	R ..
90	E. H.	F	3	Q	Feb. 2, ..	Apr. 9, ..	21	Faucial & Laryngeal	R ..
91	M. D.	F	9	Q	June 10, ..	Aug. 2, ..	27	Faucial	R ..
92	M. E.	F	6	O	" 15, ..	July 22, ..	15	"	R ..
93	A. C.	M	15	I	July 1, ..	Aug. 5, ..	9	"	R ..
94	H. C.	M	3	N	May 29, ..	July 6, ..	6	"	R ..
95	R. B.	F	2 ¹ / ₂	O	June 7, ..	" 21, ..	4	"	R ..
96	S. G.	M	12	J	May 22, ..	June 24, ..	13	"	R ..
97	L. P.	F	3	E	June 17, ..	Aug. 1, ..	14	"	R ..
98	H. W.	M	12	I	" 26, ..	" 25, ..	31	"	R ..
99	C. H.	M	11	I	" 25, ..	" 25, ..	31	"	R ..
100	A. B.	M	9	I	" 28, ..	" 7, ..	13	"	R ..
101	A. C.	M	8	I	" 24, ..	" 18, ..	15	"	R ..
102	E. S.	F	8	A	July 31, ..	Sept. 9, ..	13	"	R ..
103	A. L.	F	4	E	Apr. 25, ..	July 14, ..	52	"	R ..
104	W. J.	M	6	J	June 18, ..	" 20, ..	10	"	R ..
105	D. H.	M	14	S	" 30, ..	Aug. 9, ..	40	"	R ..
106	H. T.	M	7	J	May 15, ..	July 9, ..	27	"	R ..
107	F. J.	M	9	J	June 18, ..	Aug. 21, ..	44	"	R ..
108	S. S.	M	4	A	July 2, ..	" 10, ..	2	"	R ..
109	H. W.	M	10	S	June 27, ..	July 16, ..	16	"	R ..
110	D. C.	M	5	S	" 6, ..	Aug. 1, ..	35	"	R ..
111	C. C.	M	5	N	" 29, ..	" 4, ..	11	Faucial and Nasal	R ..
112	J. R.	M	3	P	July 5, ..	" 14, ..	15	"	R ..
113	E. G.	F	8	O	June 21, ..	" 14, ..	10	Faucial	R ..
114	E. S.	F	5	B	July 24, ..	" 26, ..	12	Faucial and Nasal	R ..
115	E. C.	M	6	P	Aug. 8, ..	" 30, ..	5	Faucial	R ..
116	E. D.	M	6	O	May 3, ..	" 14, ..	77	"	R ..
117	V. P.	F	14	C	June 26, ..	" 27, ..	40	"	R ..
118	A. H.	M	13	R	" 18, ..	" 23, ..	54	"	R ..
119	M. F.	F	6	P	" 9, ..	Sept. 8, ..	70	"	R ..
120	H. H.	M	3	B	July 10, ..	" 5, ..	31	"	R ..
121	A. V.	M	5	E	June 25, ..	" 3, ..	47	"	R ..
122	R. T.	F	5	B	July 17, ..	Aug. 17, ..	3	"	R ..
123	E. H.	M	4	Q	May 18, ..	" 14, ..	57	"	R ..
124	A. N.	M	8	T	" 27, ..	July 25, ..	37	"	R ..
125	D. Mc.	M	5	B	July 20, ..	Aug. 27, ..	9	"	R ..
126	H. J.	M	6	R	June 30, ..	" 9, ..	40	Faucial and Nasal	R ..
127	O. S.	M	4	Q	" 3, ..	July 20, ..	16	"	R ..
128	R. C.	F	17	C	July 5, ..	Sept. 1, ..	24	Faucial	R ..
129	W. R.	F	6	N	" 9, ..	Aug. 31, ..	19	"	R ..
130	A. S.	F	6	P	" 22, ..	Sept. 3, ..	9	Faucial & Laryngeal	R ..
131	F. B.	F	10	B	May 5, ..	Aug. 15, ..	49	Faucial	R ..
132	P. M.	M	7	S	July 11, ..	Sept. 9, ..	33	"	R ..
133	C. C.	M	7	J	June 14, ..	" 15, ..	68	"	R ..
134	E. H.	M	6	N	July 23, ..	" 7, ..	19	Faucial and Nasal	R ..
135	E. B.	F	16	C	Aug. 11, ..	" 23, ..	18	Faucial	R ..
135	G. D.	F	7	C	" 2, ..	" 19, ..	11	"	R ..
137	E. W.	F	8	C	" 15, ..	" 11, ..	7	Faucial & Laryngeal	R ..
138	F. B.	F	4	F	June 24, ..	" 11, ..	55	"	R ..
139	F. C.	M	8	J	" 7, ..	" 29, ..	34	Faucial	R ..
140	E. K.	M	9	J	Aug. 21, ..	" 23, ..	7	Faucial and Nasal	R ..
141	L. H.	F	4	N	" 8, ..	" 27, ..	25	"	R ..
142	R. L.	F	4	N	June 26, ..	Aug. 10, ..	24	Faucial	R ..
143	G. B.	F	6	Q	July 16, ..	Oct. 5, ..	52	"	R ..
144	E. B.	F	4	A	Aug. 19, ..	Sept. 20, ..	3	"	R ..
145	A. P.	F	7	N	" 23, ..	" 29, ..	3	"	R ..
146	H. M.	M	8	O	Sept. 3, ..	Oct. 4, ..	10	"	R ..
147	A. B.	M	6	J	July 28, ..	" 14, ..	49	"	R ..
148	E. H.	M	6	J	Aug. 9, ..	" 14, ..	42	"	R ..
149	E. D.	F	4	C	" 8, ..	Sept. 17, ..	9	Faucial and Nasal	R ..
150	J. Y.	M	9	T	Sep. 8, ..	Oct. 13, ..	5	Faucial	R ..
151	E. K.	F	5	P	May 3, ..	Aug. 14, ..	60	Faucial & Laryngeal	R ..
152	M. B.	M	4	Q	Sept. 19, ..	Oct. 23, ..	6	Faucial and Nasal	R ..
153	E. R.	M	4	S	July 14, ..	Nov. 9, ..	61	Faucial, Laryngeal, and Nasal.	R ..
154	A. L.	M	8	S	Sept. 27, ..	" 11, ..	19	Faucial	R ..
155	F. B.	M	8	I	Oct. 14, ..	" 23, ..	12	"	R ..
156	G. W.	M	6	I	Sept. 6, ..	Oct. 12, ..	5	Faucial & Laryngeal	R ..
157	W. W.	M	8	I	July 20, ..	Sept. 19, ..	28	Faucial	R ..
158	T. H.	M	7	I	Oct. 5, ..	Nov. 20, ..	9	Faucial & Laryngeal	R ..
159	E. E.	F	5	B	Sept. 9, ..	" 11, ..	35	Faucial	R ..
160	E. S.	M	3	B	July 24, ..	Oct. 20, ..	67	"	R ..

GORE FARM HOSPITAL.—TABLE IX.—*Post-Scarlatinal Diphtheria, 1896—contd.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
161	F. S.	M	5	Q	Sept. 20, 1896	Nov. 11, 1896	20	Faucial ...	R ...
162	F. G.	M	5½	I	" 22, "	" 11, "	14	" ...	R ...
163	W. P.	M	4	A	Aug. 10, "	Oct. 25, "	46	" ...	R ...
164	A. S.	M	6	O	" 19, "	" 8, "	2	" ...	R ...
165	E. A.	F	3	E	" 8, "	" 22, "	48	" ...	R ...
166	R. H.	F	10	B	" 21, "	Sept. 22, "	36	" ...	R ...
167	E. G.	F	8	B	" 22, "	Oct. 19, "	27	" ...	R ...
168	N. M.	F	11	F	Sept. 15, "	" 28, "	20	" ...	R ...
169	F. P.	M	6	B	" 15, "	" 25, "	10	" ...	R ...

NORTHERN HOSPITAL.—TABLE X.—*Post-Scarlatinal Diphtheria, 1896.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
1	E. A. P.	F	17	16	June 14, 1895	Aug. 10, 1895	30	Faucial ...	R ...
2	E. I.	F	7	7	July 8, "	Sept. 10, "	30	" ...	R ...
3	C. D.	M	10	17	Aug. 20, "	Oct. 3, "	8	" ...	R ...
4	E. B.	F	5½	16	Sept. 9, "	" 8, "	7	" ...	R ...
5	A. G.	M	9	17	Aug. 10, "	" 12, "	23	" ...	R ...
6	E. D.	F	3	5	" 17, "	" 12, "	30	" ...	R ...
7	F. L.	M	8	11	" 1, "	" 15, "	47	" ...	R ...
8	W. C.	M	6	23	Sept. 14, "	" 18, "	10	" ...	R ...
9	M. P.	F	3½	24	" 14, "	" 28, "	13	" ...	R ...
10	C. Y.	M	6	5	Aug. 29, "	Nov. 5, "	10	" ...	R ...
11	C. H.	M	4	16	July 8, "	" 9, "	72	" ...	R ...
12	E. B.	M	5	23	Sept. 8, "	" 9, "	31	" ...	R ...
13	R. P.	M	37	10	" 3, "	" 12, "	35	" ...	R ...
14	W. H. S.	M	16	10	" 16, "	" 13, "	6	" ...	R ...
15	E. B.	F	14	8	" 22, "	" 13, "	32	" ...	R ...
16	E. M.	F	10	23	" 6, "	" 13, "	21	" ...	R ...
17	L. S.	F	5	23	" 24, "	" 13, "	15	" ...	R ...
18	F. Y.	M	4	5	Aug. 29, "	" 14, "	20	Inflammation of Fauces. No membrane.	R ...
19	F. H.	M	5	16	" 15, "	" 17, "	47	Faucial ...	R ...
20	H. H.	M	6	5	Oct. 4, "	" 17, "	8	" ...	R ...
21	I. C.	F	6	7	Aug. 9, "	" 18, "	80	" ...	R ...
22	M. V.	F	7	7	Sept. 2, "	" 22, "	27	" ...	R ...
23	F. Y.	M	7	2	" 7, "	" 22, "	40	Fauces inflamed. No secretion.	R ...
24	B. B.	F	10	3	Oct. 1, "	" 22, "	20	" ...	R ...
25	J. T.	F	13	7	Aug. 29, "	" 23, "	24	Faucial ...	R ...
26	P. H.	M	17	10	Oct. 19, "	" 27, "	6	" ...	R ...
27	H. H.	M	13	9	" 28, "	" 29, "	8	" ...	R ...
28	E. G.	F	8	4	" 7, "	" 29, "	6	" ...	R ...
29	D. H.	F	11	8	" 14, "	" 30, "	7	" ...	R ...
30	L. M.	F	16	2	" 1, "	" 30, "	35	" ...	R ...
31	W. P.	M	6	7	Aug. 18, "	" 30, "	7	" ...	R ...
32	C. F.	F	14	16	Oct. 6, "	Dec. 4, "	8	" ...	R ...
33	E. H.	F	4	8	" 28, "	" 4, "	6	" ...	R ...
34	E. F.	M	5	23	" 13, "	" 4, "	33	" ...	R ...
35	M. H.	F	6	8	Nov. 2, "	" 7, "	2	" ...	R ...
36	G. F.	F	5	17	Oct. 13, "	" 11, "	7	" ...	R ...
37	E. P.	F	16	4	" 28, "	" 12, "	12	" ...	R ...
38	E. E.	F	4½	3	Nov. 12, "	" 17, "	3	" ...	R ...
39	A. G. C.	M	6	4	Oct. 7, "	" 19, "	2	" ...	R ...
40	R. O.	F	12	12	Nov. 13, "	" 21, "	8	" ...	R ...
41	S. M.	M	3	12	Oct. 20, "	" 22, "	30	Faucial, with slight Laryngeal symptoms fifth day, for two days.	R ...
42	C. B.	F	4	8	Nov. 4, "	" 24, "	12	*Faucial ...	D ...
43	W. H.	M	6	12	" 2, "	" 27, "	10	" ...	R ...
44	E. B.	F	5	12	Sept. 1, "	" 27, "	62	" ...	R ...
45	G. W.	F	10	12	Nov. 6, "	" 28, "	15	" ...	R ...
46	E. J.	F	6	3	Sept. 29, "	" 29, "	62	" ...	R ...
47	M. H.	F	6	7	Oct. 12, "	" 30, "	17	" ...	R ...
48	H. S.	M	7	10	Nov. 14, "	Jan. 3, 1896	14	" ...	R ...
49	E. W.	F	3	3	Oct. 27, "	" 3, "	27	" ...	R ...
50	C. B.	F	11	7	" 17, "	" 5, "	54	" ...	R ...
51	J. C.	M	16	11	Sept. 11, "	" 12, "	87	" ...	R ...
52	E. S.	F	3	1	" 18, "	" 26, "	8	" ...	R ...
53	D. H.	M	2	12	Dec. 12, "	" 28, "	1	Faucial, with Laryngeal symptoms second day, for two days.	R ...

* Death due to measles.

NORTHERN HOSPITAL.—TABLE X.—*Post-Scarlatinal Diphtheria, 1896—contd.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
54	W. F.	M	7	10	Nov. 30, 1895	Jan. 29, 1896	20	Faucial	R
55	K. L.	F	6	7	" 14, "	" 31, "	46	"	R
56	A. B.	M	15	10	Dec. 30, "	Feb. 3, "	10	"	R
57	H. B.	M	17	9	" 2, "	" 4, "	33	"	R
58	G. D.	M	5	18	" 24, "	" 5, "	21	"	R
59	F. F.	M	8	10	" 14, "	" 6, "	28	"	R
60	M. B.	F	11	20	" 8, "	" 8, "	17	"	R
61	G. B.	M	3	12	" 11, "	" 8, "	29	Faucial, with Laryngeal symptoms first day.	R
62	F. F.	F	10	18	" 17, "	" 8, "	24	Faucial	R
63	M. B.	F	24	3	" 20, "	" 9, "	15	"	R
64	F. D. C.	F	6	1	" 17, "	" 11, "	38	"	R
65	E. S.	M	6	4	Jan. 7, 1896	" 12, "	6	"	R
66	J. F.	M	5	17	Dec. 21, 1895	" 12, "	27	"	R
67	F. S.	F	19	7	" 31, "	" 13, "	13	"	R
68	C. B.	F	14	4	Jan. 7, 1896	" 16, "	19	"	R
69	J. C.	F	10	7	" 14, "	" 18, "	11	"	R
70	W. W.	M	7	25	" 23, "	" 18, "	5	"	R
71	M. R.	F	11	2	" 21, "	" 19, "	7	"	R
72	B. C.	F	8	2	Dec. 31, 1895	" 19, "	12	"	R
73	R. C.	F	8	12	" 7, "	" 19, "	19	"	R
74	V. B.	F	5	20	Jan. 13, 1896	" 20, "	8	"	R
75	N. R.	F	18	12	" 19, "	" 21, "	7	"	R
76	N. H.	F	5	2	" 8, "	" 21, "	21	"	R
77	F. B.	F	10	2	" 6, "	" 22, "	14	"	R
78	A. C.	F	13	19	July 20, 1895	" 24, "	195	"	R
79	G. C.	M	3	2	Jan. 20, 1896	" 24, "	10	Laryngeal	R
80	E. H.	F	3	3	" 18, "	" 27, "	5	Faucial	R
81	A. H.	M	5	16	" 24, "	Mar. 3, "	Day of admission.	"	R
82	E. W.	F	3	7	" 16, "	" 4, "	19	"	R
83	C. G.	M	3	16	" 14, "	" 6, "	24	Faucial, with Laryngeal symptoms first day.	R
84	C. P.	F	6	17	" 16, "	" 9, "	25	Faucial	R
85	H. C. S.	F	6	1	Feb. 11, "	" 11, "	2	"	R
86	E. M.	F	6	3	" 4, "	" 14, "	Day of admission.	"	R
87	C. P.	F	3	7	Jan. 30, "	" 14, "	22	"	R
88	H. H.	M	6	17	" 21, "	" 18, "	36	"	R
89	E. T.	F	8	5	Feb. 14, "	" 19, "	9	"	R
90	M. R. P.	M	8	11	Dec. 17, 1895	" 20, "	64	"	R
91	F. G.	M	12	11	Feb. 17, 1896	" 21, "	Day of admission.	"	R
92	J. C.	F	3	1	Jan. 25, "	" 22, "	23	"	R
93	A. P.	F	5	17	Feb. 24, "	" 23, "	5	"	R
94	W. F.	M	4	3	Dec. 16, 1895	" 24, "	59	"	R
95	W. R.	M	8	11	Jan. 17, 1896	" 25, "	40	"	R
96	H. W.	M	10	9	Feb. 25, "	" 25, "	7	"	R
97	D. McG.	F	10	2	" 28, "	" 27, "	3	"	R
98	B. C. S.	F	6	7	Jan. 14, "	" 27, "	24	"	R
99	F. M.	F	12	17	Feb. 19, "	" 28, "	10	"	R
100	F. T.	M	10	25	Jan. 15, "	" 28, "	37	"	R
101	H. F.	M	8	10	" 12, "	Apr. 3, "	57	"	R
102	W. G.	M	12	11	" 17, "	" 4, "	40	"	R
103	C. C.	M	10	11	" 23, "	" 5, "	11	"	R
104	J. P. P.	M	4	12	Mar. 7, "	" 6, "	6	"	R
105	H. B.	F	3	1	Dec. 25, 1895	" 6, "	45	"	R
106	W. O.	M	5	17	Feb. 26, 1896	" 7, "	13	"	R
107	H. W.	M	7	10	" 20, "	" 11, "	9	"	R
108	E. W.	M	11	11	Jan. 5, "	" 13, "	28	"	R
109	J. S.	M	6	7	Mar. 3, "	" 20, "	17	"	R
110	A. W.	F	9	18	Jan. 28, "	" 23, "	64	"	R
111	L. B.	F	4	20	Feb. 11, "	" 23, "	43	"	R
112	H. R. W.	F	3	16	Mar. 17, "	" 23, "	8	"	R
113	W. H.	M	5	20	Feb. 2, "	" 23, "	53	"	R
114	H. D.	F	5	18	Mar. 4, "	" 26, "	18	"	R
115	F. M. S.	F	6	17	Apr. 7, "	May 3, "	4	"	R
116	E. W.	F	7	16	Mar. 19, "	" 6, "	21	"	R
117	L. S.	F	5	5	Feb. 22, "	" 10, "	26	"	R
118	F. W.	F	8	20	" 8, "	" 10, "	11	"	R
119	J. B.	M	9	25	" 6, "	" 13, "	69	"	R
120	W. G. Y.	M	5	6	" 26, "	" 14, "	48	"	R
121	A. H.	M	11	25	Mar. 24, "	" 17, "	31	"	R
122	M. E.	F	10	1	" 7, "	" 17, "	31	"	R
123	N. L.	F	5	20	Apr. 3, "	" 21, "	15	"	R
124	F. S.	M	8	25	" 2, "	" 21, "	28	"	R
125	A. H.	F	6	17	" 3, "	" 22, "	23	"	R
126	E. H.	F	3½	6	Mar. 5, "	" 24, "	54	"	R
127	M. A. A.	F	4	6	" 25, "	" 24, "	37	"	R

NORTHERN HOSPITAL.—TABLE X.—*Post-Scarlatinal Diphtheria, 1896—contd.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
128	M. G.	F	6	12	Mar. 25, 1896	May 23, 1896	41	Faucial ...	R ...
129	E. H.	F	5	18	Apr. 20, "	" 30, "	24	" ...	R ...
130	L. D.	F	3	20	Mar. 14, "	" 31, "	25	" ...	R ...
131	P. C.	F	9	5	Apr. 1, "	" 31, "	33	" ...	R ...
132	Y. N. T.	F	3	4	" 30, "	June 1, "	4	Faucial, with Laryngeal symptoms for three days.	R ...
133	A. S.	F	7	17	Mar. 28, "	" 2, "	26	Faucial ...	R ...
134	G. B.	F	12	17	Apr. 27, "	" 2, "	13	" ...	R ...
135	G. C.	M	6	8	" 12, "	" 8, "	30	" ...	R ...
136	P. B.	M	10	9	" 10, "	" 8, "	31	" ...	R ...
137	H. E. W.	M	4	8	May 7, "	" 10, "	14	" ...	R ...
138	J. M.	M	5	20	Apr. 6, "	" 14, "	34	" ...	R ...
139	J. C.	F	7	6	Mar. 29, "	" 14, "	51	" ...	R ...
140	C. W.	M	3	6	Apr. 3, "	" 15, "	41	" ...	R ...
141	L. R.	F	7	16	May 23, "	" 15, "	Day of admission.	" ...	R ...
142	L. K.	M	4	5	Apr. 25, "	" 16, "	14	" ...	R ...
143	G. K.	F	3½	7	May 18, "	" 16, "	6	" ...	R ...
144	A. B.	M	6	6	" 5, "	" 16, "	18	" ...	R ...
145	E. M. S.	F	6	12	" 1, "	" 16, "	20	" ...	R ...
146	S. F.	M	6	5	Apr. 21, "	" 17, "	28	" ...	R ...
147	L. G.	F	10	5	May 11, "	" 19, "	17	" ...	R ...
148	L. N.	F	5	1	Apr. 23, "	" 19, "	31	" ...	R ...
149	M. S.	F	9	12	" 24, "	" 19, "	22	" ...	R ...
150	M. E.	F	5	6	" 27, "	" 21, "	25	" ...	R ...
151	E. B.	M	6	17	May 1, "	" 21, "	18	" ...	R ...
152	C. W.	M	6	16	" 9, "	" 23, "	23	" ...	R ...
153	M. G.	F	6	8	Apr. 23, "	" 24, "	35	" ...	R ...
154	F. H.	F	14	17	" 9, "	" 25, "	45	" ...	R ...
155	M. O'C.	F	11	17	May 9, "	" 28, "	11	" ...	R ...
156	D. I.	F	3	17	Apr. 24, "	" 29, "	40	" ...	R ...
157	H. W.	F	15	17	May 3, "	" 29, "	33	" ...	R ...
158	E. N.	F	4	17	Apr. 19, "	" 30, "	34	" ...	R ...
159	S. S.	F	11	17	" 14, "	" 30, "	14	" ...	R ...
160	E. M.	F	7	2	May 23, "	July 4, "	21	" ...	R ...
161	M. B.	F	6	8	" 10, "	" 4, "	29	" ...	R ...
162	E. O'N.	F	4	17	June 2, "	" 6, "	11	" ...	R ...
163	D. C.	M	11	11	May 24, "	" 6, "	4	" ...	R ...
164	A. H.	F	18	17	Apr. 25, "	" 7, "	40	" ...	R ...
165	L. R. M.	M	9	9	June 8, "	" 9, "	7	" ...	R ...
166	R. G.	F	11	16	May 12, "	" 14, "	44	" ...	R ...
167	S. T.	F	9	16	Apr. 6, "	" 18, "	32	" ...	R ...
168	G. H.	F	4	8	June 4, "	" 19, "	2	" ...	R ...
169	S. B.	F	15	16	May 20, "	" 20, "	34	" ...	R ...
170	F. C.	F	6	5	" 28, "	" 21, "	28	" ...	R ...
171	N. K.	F	3	5	June 14, "	" 21, "	7	" ...	R ...
172	J. E. G.	M	3	5	May 1, "	" 23, "	30	Faucial, with Laryngeal symptoms for two days.	R ...
173	J. B.	M	9	9	" 25, "	" 24, "	35	Faucial ...	R ...
174	A. V. G.	M	6	10	" 21, "	" 26, "	26	" ...	R ...
175	W. A.	M	7	9	June 17, "	" 26, "	17	" ...	R ...
176	R. K.	F	9	16	" 6, "	" 26, "	19	" ...	R ...
177	A. P.	F	3	17	May 31, "	" 29, "	35	" ...	R ...
178	H. P.	M	4	1	June 11, "	" 29, "	23	" ...	R ...
179	N. B.	F	12	17	" 29, "	" 30, "	9	" ...	R ...
180	W. E.	F	4	18	July 20, "	" 31, "	8	" ...	R ...
181	C. L.	M	6	17	May 8, "	" 31, "	58	" ...	R ...
182	F. B.	M	11	9	June 7, "	Aug. 1, "	8	" ...	R ...
183	G. P.	F	7	6	" 15, "	" 3, "	24	" ...	R ...
184	H. A.	M	9	10	" 4, "	" 4, "	26	" ...	R ...
185	M. H.	F	7	21	May 14, "	" 5, "	34	" ...	R ...
186	J. J.	M	12	9	June 21, "	" 5, "	13	" ...	R ...
187	E. S.	F	3	6	July 11, "	" 6, "	9	" ...	R ...
188	M. C.	F	13	1	May 20, "	" 7, "	53	" ...	R ...
189	F. C.	F	9	1	June 20, "	" 8, "	21	" ...	R ...
190	E. D.	M	6	21	" 19, "	" 8, "	25	" ...	R ...
191	A. H.	F	15	8	" 24, "	" 9, "	24	" ...	R ...
192	T. T.	M	11	25	" 3, "	" 9, "	38	" ...	R ...
193	J. W.	M	5	5	" 18, "	" 9, "	26	" ...	R ...
194	A. T.	M	6	4	July 17, "	" 10, "	10	" ...	R ...
195	H. M.	F	4	18	" 1, "	" 11, "	13	Tonsils inflamed. No secretion.	R ...
196	A. P.	F	6	4	June 3, "	" 12, "	25	Faucial ...	R ...
197	A. C.	M	7	11	May 6, "	" 13, "	70	" ...	R ...
198	C. W.	F	10	21	July 20, "	" 13, "	2	" ...	R ...
199	E. T.	F	6	6	" 12, "	" 15, "	8	" ...	R ...
200	J. S.	M	3	18	" 2, "	" 17, "	19	Faucial, complicated by Laryngeal symptoms, first day; tracheotomy third day.	R ...

* Death due to pericarditis, unconnected with diphtheria attack.

NORTHERN HOSPITAL.—TABLE X.—*Post-Scarlatinal Diphtheria, 1896—contd.*

No.	Initials.	Sex.	Age.	Ward.	Date of Onset of Scarlet Fever.	Date of Onset of Diphtheria.	Days after Admission	Nature of Attack.	Result.
201	M. L.	F	8	8	July 9, 1896	Aug. 19, 1896	12	Faucial ...	R ...
202	S. E.	M	4	1	" 3, "	" 19, "	11	" ...	R ...
203	E. P.	F	5	4	May 22, "	" 21, "	66	" ...	R ...
204	B. R.	F	9	6	July 9, "	" 21, "	14	" ...	R ...
205	A. O.	M	6	8	June 24, "	" 21, "	14	" ...	R ...
206	T. C.	M	5	4	" 25, "	" 21, "	31	" ...	R ...
207	R. W.	F	3½	20	July 17, "	" 22, "	11	" ...	R ...
208	S. F.	M	5	21	June 21, "	" 24, "	34	" ...	R ...
209	W. E.	M	6	21	July 17, "	" 24, "	6	" ...	R ...
210	L. N.	F	6	2	" 17, "	" 25, "	3	" ...	D ...
211	T. B.	M	11	25	" 1, "	" 26, "	20	" ...	R ...
212	L. S.	F	9	4	June 29, "	" 26, "	32	" ...	R ...
213	E. F.	F	7	12	July 4, "	" 29, "	22	" ...	R ...
214	C. S.	M	11	9	June 15, "	" 31, "	52	" ...	R ...
215	S. J.	F	5	1	July 10, "	" 31, "	23	" ...	R ...
216	J. J.	F	3	1	" 1, "	" 31, "	23	" ...	R ...
217	F. A.	F	3½	5	" 23, "	Sept. 3, "	9	" ...	R ...
218	N. R.	F	5	1	" 23, "	" 4, "	20	" ...	R ...
219	G. N.	M	4	17	" 23, "	" 5, "	17	" ...	R ...
220	L. O.	F	13	18	" 25, "	" 6, "	4	" ...	R ...
221	C. F.	F	5	12	" 25, "	" 8, "	18	" ...	R ...
222	A. R.	M	5½	8	" 23, "	" 10, "	6	" ...	R ...
223	M. H.	F	17	8	Aug. 9, "	" 12, "	8	" ...	R ...
224	R. B.	F	10	2	June 27, "	" 12, "	43	" ...	R ...
225	B. W.	M	6	1	" 22, "	" 12, "	43	" ...	R ...
226	F. H.	M	5	2	Aug. 16, "	" 22, "	10	" ...	R ...
227	A. R. H.	M	11	25	" 18, "	" 23, "	6	" ...	R ...
228	D. G.	F	4½	1	" 20, "	" 23, "	8	" ...	R ...
229	M. S. A. P.	M	11	11	July 23, "	" 24, "	27	" ...	R ...
230	A. S.	M	6	1	" 24, "	" 26, "	42	" ...	R ...
231	E. H.	F	7	5	Aug. 10, "	" 27, "	11	" ...	R ...
232	A. P.	F	18	7	June 8, "	" 28, "	66	" ...	R ...
233	J. McM.	M	3	12	Aug. 8, "	" 28, "	47	" ...	R ...
234	L. G.	F	5	16	Sept. 22, "	" 30, "	15	Faucial, with laryngeal symptoms for two days.	R ...
235	G. M.	F	4	2	Aug. 18, "	Oct. 3, "	31	Faucial ...	R ...
236	D. C.	F	5	2	" 26, "	" 4, "	8	" ...	R ...
237	M. M.	F	11	4	" 18, "	" 5, "	23	" ...	R ...
238	M. D.	F	11	1	Sept. 10, "	" 6, "	3	" ...	R ...
239	B. M.	M	7	25	Aug. 9, "	" 7, "	13	" ...	R ...
240	A. D.	F	3	6	July 4, "	" 8, "	43	" ...	R ...
241	W. B.	M	15	11	Aug. 26, "	" 10, "	16	" ...	R ...
242	G. C.	M	11	11	July 12, "	" 12, "	7	" ...	R ...
243	M. M.	F	3½	12	Aug. 1, "	" 12, "	23	" ...	R ...
244	G. B.	M	6	7	Sept. 9, "	" 15, "	6	" ...	R ...
245	F. F.	M	6	17	Aug. 19, "	" 15, "	22	Faucial, with Laryngeal symptoms first day, for four days.	R ...
246	L. O.	F	13	16	July 25, "	" 16, "	44	Faucial ...	R ...
247	J. W.	M	3½	1	Sept. 8, "	" 18, "	22	Faucial, with Laryngeal symptoms second day, for two days.	R ...
248	M. J.	F	9	17	Aug. 18, "	" 15, "	37	Faucial ...	R ...
249	W. H.	M	14	11	" 2, "	" 18, "	38	" ...	R ...
250	F. M.	M	19	9	Sept. 12, "	" 20, "	5	" ...	R ...
251	G. O.	M	15	9	Aug. 10, "	" 21, "	48	" ...	R ...
252	H. B.	M	4	17	" 16, "	" 21, "	28	" ...	R ...
253	H. C.	F	3½	12	July 27, "	" 25, "	39	" ...	R ...
254	R. L.	F	7	17	Sept. 24, "	" 25, "	5	" ...	R ...
255	D. K.	F	7	17	" 15, "	" 26, "	6	" ...	R ...
256	R. R.	M	9	9	" 17, "	" 31, "	16	" ...	R ...
257	K. M.	F	5	6	" 25, "	Nov. 6, "	27	" ...	R ...
258	B. H.	M	6	17	Aug. 27, "	" 8, "	13	" ...	R ...
259	H. G.	M	6	17	Sept. 14, "	" 8, "	11	" ...	R ...
260	F. S.	M	3½	2	Oct. 25, "	" 21, "	Day of admission.	" ...	D ...
261	E. J.	F	8	7	" 21, "	Dec. 29, "	85	" ...	D ...

* In this case the attack of diphtheria was coincident with a severe relapse of scarlet fever.

For the purposes of inquiry, Tables XI. to XIV. have been drawn up. They comprise the total cases occurring in all the hospitals arranged so as to show the incidence and mortality in respect to sex, age, time of onset, and seasonal distribution. Each table has been further subdivided to separate the croup cases from those in which the larynx was unaffected.

TABLE XI.—Sex, Distribution, and Mortality.

	Eastern.		North-Eastern.		North-Western.		Western.		South-Western.		Fountain.		South-Eastern.		Brook.		Gore Farm.		Northern.		Total.		Mortality per cent.																				
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.																					
Faucial and Nasal Cases.	Males ...	15	0	12	1	2	0	15	2	12	0	22	0	13	2	4	0	83	0	104	2	282	7	2.4																			
	Females ...	19	0	11	1	4	1	30	0	6	1	24	3	22	1	5	0	77	1	146	3	344	11	3.1																			
	Total ...	34	0	23	2	6	1	45	2	18	1	46	3	35	3	9	0	160	1	250	5	626	18	2.8																			
Mortality per cent.	0																						8.6	16.6		4.4		5.5		6.5		8.5		0		.6		2.0		2.8			
Laryngeal Cases.	Males ...	2	1	7	3	2	1	7	2	4	0	6	1	2	0	0	0	3	0	7	0	40	10	25.0																			
	Females ...	3	2	4	2	5	1	11	1	2	1	3	0	0	1	1	1	6	0	4	0	39	8	20.5																			
	Total ...	5	3	11	5	7	2	18	3	6	1	9	1	2	1	1	1	9	0	11	0	79	18	22.7																			
Mortality per cent.	60																						45.4	28.5		16.6		16.6		100		11.1		100		0		0		22.7			
All Cases.	Males ...	17	1	19	4	4	1	22	4	16	0	28	1	15	4	4	0	86	0	111	2	322	17	5.2																			
	Females ...	22	2	15	3	9	2	41	1	8	2	27	3	22	1	6	1	83	1	150	3	383	19	4.9																			
	Total ...	39	3	34	7	13	3	63	5	24	2	55	4	37	5	10	1	169	1	261	5	705	36	5.1																			
Mortality per cent.	7.6																						20.5	23.0		7.9		8.3		7.2		13.5		1.0		.5		1.0		5.1			

**General
Incidence
and
Mortality.**

From the preceding table it is seen that 705 attacks supervened amongst 15,176 cases of scarlet fever completed during the year, an incidence of 4·64 per cent. Of these the larger proportion arose in the two convalescent hospitals (Gore Farm Hospital and the Northern Hospital, Winchmore Hill), viz., 430 cases. In 79, or 11·2 per cent. of the total 705 cases, the larynx was implicated, giving rise to the symptoms of croup. The total case-mortality was 5·1 per cent., that of the laryngeal cases 22·7 per cent., and that of the remainder 2·8 per cent.

These results are eminently satisfactory. It is true that the universal adoption of the bacteriological method of diagnosis during the last two years has led to the inclusion of a good many mild faucial attacks which would not have been regarded as diphtheria on clinical evidence alone, and to this no doubt the low death rate in the faucial group must be partly ascribed, but in respect to the laryngeal group the explanation cannot apply, as the laryngeal form of attack is always one of imminent danger, and does not depend upon any bacteriological evidence for its due recognition.

A case-mortality of only 22·7 per cent. in laryngeal diphtheria supervening during convalescence from scarlet fever is very satisfactory, as the mortality in this group during previous years (with the exception of 1895) has usually varied between 60 and 80 per cent. Further information on this point will be found in the Antitoxin Report for 1896 (p. 184).

Sex.

Table XI. further shows that 322 of the attacks occurred in males and 383 in females, representing an incidence on the total number of each sex admitted of 4·1 per cent. and 4·6 per cent. respectively.

The case-mortality was highest in males, being 5·2 per cent., against 4·9 per cent. In the laryngeal group it was also highest in males, viz., 25 per cent., against 20·5 per cent.; but in the faucial class, the death rate was higher in females, viz., 3·1 per cent., against 2·4 per cent.

TABLE XII.—Age-Distribution.

	Eastern.		North-Eastern.		North-Western.		Western.		South-Western.		Fountain.		South-Eastern.		Brook.		Gore Farm.		Northern.		Total.		Mortality per cent.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.		
Faucial and Nasal Cases.	0-1...	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.5	
	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.0	
	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5	
	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	
	5-9...	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.4	
	10-14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	
	15-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
	20 and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
	Total ...	34	0	23	2	6	1	45	2	18	1	3	46	3	35	9	0	169	1	250	5	626	18	2.8
Laryngeal Cases.	0-1...	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66.6	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.3	
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.0	
	3	1	1	1	0	1	1	5	0	0	0	4	1	1	1	0	0	1	0	0	0	0	0	19.0
	4	3	1	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	18.1
	5-9...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.0
	10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.0
	15-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	20 and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	Total ...	5	3	11	5	7	2	18	3	6	1	9	1	2	3	1	1	9	0	11	0	70	18	22.7
All Cases.	0-1...	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50.0	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.3	
	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.2	
	3	3	1	3	2	1	15	0	3	0	8	2	7	2	1	0	11	0	34	1	87	9	10.3	
	4	9	1	7	0	1	5	0	2	0	12	1	4	0	2	1	22	1	21	1	85	5	5.8	
	5-9...	17	0	10	3	4	1	18	1	10	0	25	0	14	1	4	99	0	131	3	332	9	2.7	
	10-14	4	0	3	1	0	0	4	0	4	0	3	0	5	0	0	34	0	53	0	110	1	0.9	
	15-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0.0	
	20 and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0.0	
	Total ...	39	3	34	7	13	3	63	5	24	2	55	4	37	5	10	1	169	1	261	5	705	36	5.1

Age. When the number of attacks at different ages, as shown in Table XII., is expressed as a percentage of the total scarlet fever admissions at the same age, it appears that the incidence, or relative liability to the attack, is greatest in the second quinquennium, viz., 5.08 per cent. It is 4.81 in the first quinquennium, and 3.54 and 2.93 in the third and fourth respectively.

Further, it is apparent in Table XII. that the fatality of post-scarlatinal diphtheria is greatest in early life, and that it progressively diminishes with advancing age, the mortality showing a continuous fall from 50 per cent. in the first year of life to 5.8 per cent. in the fifth. If the first four quinquennia of life be examined, the mortality is seen to fall step by step from 11.3 per cent. to 0. This progressive fall in the death rate in relation with age, though also apparent in the faucial group, is even more marked in the laryngeal cases, viz., from 66.6 per cent. to 0 in the same four quinquennia.

This relatively high mortality of the disease in early life, though due in part, no doubt to a lessened power of resistance to the disease which young children exhibit, is mainly dependent upon the increased tendency of the disease to assume the laryngeal form.

The proportionate liability for the disease to assume the laryngeal form in early years is clearly shown in Table XII., if the numbers in the laryngeal group be expressed as a percentage of all cases at the same age-period.

TABLE XIII.—Time of Onset after Commencement of Scarlet Fever.

	Eastern.		North-Eastern.		North-Western.		Western.		South-Western.		Fountain.		South-Eastern.		Brook.		Gore Farm.		Northern.		Total.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
1st week ...	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33.3
2nd " ...	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2
3rd " ...	8	0	1	0	1	0	11	0	0	3	0	7	0	4	0	0	1	0	0	0	0	0	2.7
4th " ...	6	0	4	1	0	0	12	0	0	5	0	11	0	8	1	1	0	0	0	0	0	0	6.2
5th " ...	8	0	5	0	1	0	8	0	0	0	0	11	0	5	0	1	0	1	0	0	0	0	2.4
6th " ...	2	0	2	0	0	0	2	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1.4
7th " ...	0	0	0	0	1	0	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0.0
8th " ...	8	0	0	0	0	0	6	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	2.5
and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total ...	34	0	23	0	6	1	45	2	18	1	46	3	35	9	0	100	1	250	5	0	26	18	2.8
1st week ...	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
2nd " ...	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
3rd " ...	2	1	1	0	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42.8
4th " ...	1	1	2	0	1	0	9	0	2	0	1	0	0	0	1	2	0	0	0	0	0	0	21.0
5th " ...	0	0	0	0	1	0	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	20.0
6th " ...	0	0	0	0	1	0	1	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	33.3
7th " ...	1	0	1	1	1	0	0	0	0	0	3	0	2	0	0	3	0	1	0	0	0	0	11.1
8th " ...	1	1	3	1	1	1	1	0	2	0	2	1	0	0	0	3	0	0	0	0	0	0	21.0
and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total ...	5	3	11	5	7	2	18	3	6	1	9	1	2	1	9	1	0	11	0	0	0	18	22.7
1st week ...	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.0
2nd " ...	1	0	0	0	1	1	5	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	5.5
3rd " ...	10	1	2	0	3	0	14	2	3	0	7	0	4	1	0	1	0	0	0	0	0	0	9.2
4th " ...	7	0	6	3	0	0	21	0	7	0	12	2	8	1	6	0	0	0	0	0	0	0	9.6
5th " ...	8	0	7	0	2	0	11	1	3	1	12	0	5	0	19	1	28	2	0	0	0	0	5.2
6th " ...	2	0	3	1	1	0	3	1	1	0	6	0	4	0	92	0	36	0	0	0	0	0	6.1
7th " ...	1	0	4	1	1	0	2	0	2	0	6	0	1	0	35	0	30	0	0	0	0	0	1.2
8th " ...	9	1	11	2	1	1	7	1	6	1	11	2	7	0	96	0	154	3	0	0	0	0	3.3
and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total ...	39	3	54	7	13	3	63	5	24	2	55	4	37	5	10	1	169	1	261	5	0	36	5.1

Time of Onset. Table XIII. has been prepared with the object of ascertaining whether the attack of diphtheria evinces a liability to arise at any particular stage of the scarlatinal convalescence. It is seen that the number of attacks rapidly increases during each week subsequent to the onset of scarlet fever until the fifth, when the maximum is reached. After this a more gradual fall seems indicated.

Unfortunately the record ends with the seventh week, after which all attacks are included under the heading "eighth week and over." But it may be noted that this curve closely corresponds with that obtained from a series of 408 cases previously analysed by one of the Editors. If this be a true expression of the comparative liability at different stages of the scarlatinal attack, it would harmonise with the observation—that a relatively larger number of cases arise at the convalescent hospitals, to which the majority of patients are transferred at some time during the fourth or fifth week after the attack of scarlet fever. The stage at which the affection appears does not seem to exert any influence upon the fatality, but the number of deaths is fortunately not large enough to warrant any very trustworthy conclusion on this head.

TABLE XIV.—Seasonal Incidence.

	Eastern.		North-Eastern.		North-Western.		Western.		South-Western.		Fountain.		South-Eastern.		Brook.		Gore Farm.		Northern.		Total.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Faecal and Nasal Cases.	7	0	0	0	0	0	0	0	2	1	8	0	6	1	0	0	14	0	7	0	44	1	2.2
January	7	0	0	0	0	0	0	0	2	1	8	0	6	1	0	0	14	0	7	0	44	1	3.6
February	0	0	0	0	0	0	0	0	1	0	3	0	6	0	0	0	14	0	0	0	55	2	2.1
March	2	0	0	0	0	0	0	0	3	0	9	1	3	0	0	0	11	0	18	0	46	1	0.0
April	7	0	0	0	0	0	2	0	2	1	5	0	0	0	0	0	7	0	14	0	35	0	2.7
May	0	0	0	0	0	0	5	1	1	1	2	0	0	0	0	0	7	0	17	0	36	1	1.5
June	4	0	0	0	0	0	3	1	0	0	2	0	1	0	0	0	26	0	27	0	63	1	0.0
July	1	0	0	0	0	0	9	0	1	0	1	0	0	0	0	0	16	0	22	0	55	0	5.8
August	0	0	1	1	1	1	12	0	3	0	4	0	4	0	0	0	30	1	35	2	86	5	1.8
September	0	0	0	0	0	0	6	0	0	0	1	1	4	0	0	0	17	0	18	0	55	1	5.0
October	1	0	0	0	0	0	5	0	2	0	3	1	1	0	0	0	13	0	30	1	60	3	1.9
November	2	0	0	0	0	0	1	0	3	1	4	0	4	0	0	0	5	0	23	0	52	1	4.3
December	3	0	0	0	0	0	2	0	1	0	2	0	5	0	0	0	0	0	16	2	41	2	2.8
Total	34	0	23	2	6	1	45	2	18	1	46	3	35	3	9	0	160	1	250	5	626	18	2.8
Laryngeal Cases.	3	1	4	1	0	0	0	0	2	1	3	0	2	0	0	0	0	0	1	1	15	5	33.3
January	3	1	4	1	0	0	0	0	2	1	3	0	2	0	0	0	0	0	1	1	15	5	25.0
February	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	20.0
March	1	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	10	3	50.0
April	0	0	2	1	0	0	2	1	0	0	1	1	0	0	0	0	1	0	0	0	6	3	33.3
May	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	3	1	14.2
June	0	0	0	0	0	0	3	1	0	0	2	0	0	0	0	0	1	0	1	0	7	1	25.0
July	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	4	1	0.0
August	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1	0	1	0	5	0	0.0
September	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	1	0	8	0	20.0
October	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	2	0	5	1	20.0
November	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	5	1	20.0
December	0	0	1	1	1	0	1	0	0	0	2	0	0	0	1	1	0	0	1	0	7	2	28.5
Total	5	3	11	5	7	2	18	3	6	1	9	1	2	2	1	1	9	0	11	0	70	18	22.7
All Cases.	10	1	4	1	0	0	0	0	4	1	11	0	8	3	0	0	14	0	8	0	59	6	10.1
January	10	1	4	1	0	0	0	0	4	1	11	0	8	3	0	0	14	0	8	0	59	6	5.0
February	3	1	2	1	1	0	3	0	5	0	9	1	3	2	0	0	14	0	25	0	59	3	5.3
March	7	0	3	1	0	0	4	1	2	0	8	1	3	0	0	0	11	0	19	0	56	3	7.3
April	0	0	0	0	0	0	7	2	1	0	6	0	1	0	0	0	8	0	14	0	41	2	5.0
May	4	0	1	0	0	0	6	2	0	0	4	0	0	0	0	0	27	0	28	0	39	2	2.8
June	1	0	1	0	0	0	10	0	0	0	1	0	0	0	0	0	16	0	23	0	57	1	1.7
July	0	0	1	1	1	1	13	0	5	0	1	0	4	0	0	0	31	1	36	2	91	5	5.0
August	0	0	3	0	1	0	9	0	0	0	7	1	4	0	0	0	20	0	19	0	63	1	1.5
September	1	0	2	1	2	1	6	0	2	0	3	1	1	0	0	0	14	0	32	1	65	4	6.1
October	2	0	3	1	2	0	2	0	3	1	4	0	4	0	2	0	7	0	23	0	57	2	3.5
November	3	0	8	1	1	0	3	0	1	0	4	0	5	0	6	1	0	0	17	2	48	4	8.3
December	3	0	8	1	1	0	3	0	1	0	4	0	5	0	6	1	0	0	17	2	48	4	5.1
Total	39	3	34	7	13	3	63	5	24	2	55	4	37	5	10	1	169	1	61	5	705	36	5.1

Season. Table XIV., if it be taken as evidence of a tendency towards the particular seasonal prevalence on the part of post-scarlatinal diphtheria, is singularly unconvincing. Suffice it to say that the largest number of attacks occurred in the months of June and August, when the incidence was considerably above the mean, whereas the smallest number of cases arose in the months of April, May, and December, when the incidence was considerably below. The excess in June and August did not correspond with any unusual aggregation of patients in hospital. The month of June was a comparatively dry month, and August, though very wet during the latter half, could certainly not be considered on the whole to have been a wetter month than either of the four succeeding ones, all of which were characterised by a lesser incidence of the disease. In view of the above considerations, and remembering that the percentage incidence was greater in the convalescent hospitals, it cannot be urged that the statistical evidence conveyed in the foregoing tables lends any support to the belief that either overcrowding of wards with acute cases or dampness of soil is necessarily concerned in the causation of post-scarlatinal diphtheria.

From an examination of Tables I. to X. with the object of ascertaining whether any causative influence is suggested by the topical distribution of the attacks within the individual hospitals, it would appear that the affection has evinced no obvious predilection for any particular ward or wards, but has arisen more or less indiscriminately in most of the wards occupied by the younger patients. A comparative immunity in respect to wards devoted to the treatment of adults is only what might be expected. In some of the hospitals one or more particular wards have yielded a higher proportion of cases than the others, but in most of such instances this excess will be found to have been dependent upon the occurrence of one or more groups of cases of which the individual members not improbably derived their infection from a common source.

The accidental introduction into the ward of an unrecognised case of diphtheria must always be regarded as a possible source of infection in an acute hospital, but it provides a far from satisfactory explanation of the more frequent appearance of the disease in the convalescent ones, to which only patients are admitted who have come direct from the wards of an acute hospital, where they have been for several weeks living under skilled medical supervision.

That the possibility of the introduction of diphtherial infection into a scarlet fever ward by means of unrecognised cases is a very real one is confirmed by a statement made by Dr. J. E. Beggs, of the North-Eastern Hospital, in a paper published in last year's reports, viz., that of 140 cases of scarlet fever examined bacteriologically, diphtheria bacilli were found in 51, or 36.4 per cent., and of these, three-fourths showed no clinical evidence of diphtheria.

The aetiology of post-scarlatinal diphtheria is by no means yet fully understood, but, apart from any question of ward hygiene, the admission of unrecognised cases and the relative prevalence of diphtheria in the particular district must neither of them be disregarded as possible factors.

III. ANTITOXIC SERUM TREATMENT, 1896.

To the Managers of the Metropolitan Asylums Board.

We beg to present the following report on the antitoxin treatment of diphtheria, which has been jointly drawn up by the Medical Superintendents of those of the Managers' fever hospitals into which the disease is received.

SECTION I.

This section of the report deals with cases of primary diphtheria. Cases in which the patients were found on admission to be suffering from combined scarlet fever and diphtheria, or measles and diphtheria, have been omitted; but deaths from such diseases as scarlet fever, measles, or tuberculosis, contracted or developing during convalescence from diphtheria, have been included amongst the deaths in the antitoxin as well as the non-antitoxin cases. The Brook Hospital's cases are excluded. The hospital was not opened till August 31st, and it being necessary at the time of compiling the statistical tables to omit all those cases remaining in the hospitals on December 31st, the list of completed cases from the Brook is not fairly comparable with those of the other hospitals in which the cases remaining over from the previous year are included.

The period covered by the report extends from January 1st, 1896, to December 31st of the same year.

During this time—with the exception of the North-Western Hospital—the serum has been administered to a very large proportion of the cases of undoubted diphtheria; in fact, excluding that hospital, 71·3 per cent. of the total cases have been treated. The cases in which serum was not used have been, on the one hand, those which at the time of their admission were moribund, or so far advanced in the disease as to be beyond the reach of any treatment, or, on the other hand, doubtful, and for the most part mild cases. To avoid any misconception, a detailed list of all the deaths amongst these cases is appended (see p. 196). No change has taken place in the local treatment previously employed.

The report for 1896 has been drawn up on practically the same lines as the previous one, but, in order to lessen the confusion which must result from the interpolation of a multiplicity of statistical tables, it has been decided in the present instance to include the combined tables only in the body of the report, and place those of the individual hospitals in an appendix at the end.

Table I. is the combined table of the cases treated with antitoxin.

ALL THE HOSPITALS.

TABLE I.—Cases treated with Antitoxin, 1896.

(Showing day of disease on which the treatment was commenced.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	2	0	10	6	13	3	10	2	28	16	63	27	42·8
1 to 2	2	0	35	16	41	16	37	21	75	30	190	83	43·6
2 to 3	7	2	39	8	60	18	56	20	130	50	292	98	33·5
3 to 4	7	0	61	8	83	20	74	20	155	68	380	116	30·5
4 to 5	5	0	61	6	77	17	88	30	190	57	421	110	26·1
5 to 10	27	1	157	16	212	44	232	55	428	122	1,056	238	22·5
10 to 15	7	0	33	1	47	3	53	12	113	20	253	36	14·2
15 to 20	0	0	3	0	8	1	6	1	21	4	38	6	15·7
20 and upwards...	0	0	7	0	16	0	23	0	25	3	71	3	4·2
Total	57	3	406	61	557	122	579	161	1,165	370	2,764	717	25·9
Mortality per cent. ...)	...	5·2	...	15·0	...	21·9	...	27·8	...	31·7	...	25·9	...

In Table I., comprising 2,764 cases, the percentage mortality will be seen to progressively diminish from 32·2 under five years of age to 4·2 at ages over 20; and to rise from 5·2 in those patients who came under treatment on the first day of illness to 31·7 in those who were admitted on the fifth day and after. The aggregate mortality of the antitoxin cases for all ages, irrespective of the time of coming under treatment, was 25·9 per cent.

It must be clearly understood that, with the exceptions previously stated, it has been the practice at each of the hospitals to administer serum to all but mild cases. Of the admissions 66·2 per cent. were treated with antitoxin. Evidence of the comparatively greater severity of the antitoxin cases can be obtained by referring to Table VI., which shows the relative proportion of young children in each class. It is there seen that no less than 48·6 per cent. of the antitoxin cases were under five years of age, against 31·1 per cent. in the non-antitoxin group; and only 13 per cent. in the former class were over 10 years of age, against 36·7 per cent. in the latter. The high fatality of diphtheria in the earlier years of life is notorious.

Again, implication of the larynx has always been held to be one of the most serious events that can happen in the course of diphtheria, on account of the high mortality to which it gives rise. The percentage of laryngeal cases in the antitoxin group was 17·6; in the non-antitoxin 1·9.*

It is obvious, therefore, that to compare the mortality of those treated with antitoxin with that of those which during the same period were not so treated

* In 1895, these percentages were 21·1 and 6·0 respectively,

would be to institute a comparison between two groups one of which contained a very large and the other a very small proportion of severe cases. We drew attention to the misleading nature of such a comparison in our report of last year. However, in view of the objection taken by a few adverse critics, we have very carefully reconsidered this point. And we are consequently led to express our deliberate opinion that to compare the mortality of the antitoxin treated cases with that of those which during the same period were not so treated, as has been suggested, would not only be misleading, but also unfair. The method of comparison we employed in our last year's report is one that has on more than one occasion been used in the endeavour to ascertain the value of various drugs and other therapeutic measures, notably in the case of the cold-bath treatment of enteric fever. It is, in fact, the only fair method possible under the circumstances. An accurate estimate as to the merits of any particular form of treatment can be obtained only by comparing a series of cases in which the remedy has been employed with another series not so treated, but of which the cases are similar, as far as can be, in other respects. This in the present instance, as we have shown, is impossible; but, having regard to the fact that 66·2 per cent. of the 1896 cases were treated with serum, an approximately accurate comparison can be drawn by contrasting all cases of diphtheria completed during 1896, an antitoxin period, with all cases completed during 1894.

The year 1894 has again been selected for the purpose of comparison because it is the year immediately preceding the period when antitoxin began to be extensively employed in the hospitals of the Board. Moreover, the death rate in 1894 was slightly lower than it had been in any previous year.*

Owing to the fact that the serum treatment had been tentatively employed in most of the hospitals for a few weeks prior to the end of 1894, all cases which were completed during the short period covered by its use have been excluded from the tables.

The numbers for the two years are sufficiently large, in one instance being over three, in the other over four thousand cases.

Table II. shows the total number of all completed cases of diphtheria occurring during the year 1896.

* The percentage mortality of diphtheria in the five years preceding the use of antitoxin, viz., 1890-94, was 33·55, 30·63, 29·35, 30·42, and 29·29.

ALL THE HOSPITALS.

TABLE II.—*All cases, both those treated with Antitoxin and those not, 1896.*
(In the case of those not treated with antitoxin, day of disease = day of disease on which the patient was admitted to hospital.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	5	1	11	7	16	5	13	4	36	20	81	37	45.6
1 to 2	2	0	40	18	47	20	48	28	103	43	240	109	45.4
2 to 3	8	2	54	9	76	22	65	24	185	62	388	119	30.6
3 to 4	10	0	74	12	105	26	98	23	221	82	508	143	28.1
4 to 5	9	0	74	8	107	20	114	31	265	74	569	133	23.3
5 to 10	37	1	216	17	287	47	298	61	670	147	1,508	273	18.1
10 to 15	11	0	67	2	83	4	96	12	236	26	493	44	8.9
15 to 20	1	0	9	0	28	1	33	2	63	5	134	8	5.9
20 and upwards...	1	0	22	0	74	1	57	0	100	4	254	5	1.9
Total	84	4	567	73	823	146	822	185	1,879	463	4,175	871	20.8
Mortality per cent. ...)	...	4.7	...	12.8	...	17.7	...	22.5	...	24.6	...	20.8	...

Table III. is a similar table for 1894; but from this table the cases at the Fountain Hospital have been excluded for the same reason as has led to the omission of the Brook Hospital cases from the 1896 tables.

ALL THE HOSPITALS.

TABLE III.—*All cases of Diphtheria, before use of Antitoxin, 1894.*
(Day of disease = day of disease on which patient was admitted to hospital.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	10	7	4	1	11	6	15	11	40	25	62.5
1 to 2	10	5	42	29	47	25	39	25	66	42	204	126	61.7
2 to 3	16	7	55	27	51	22	44	26	91	50	257	132	51.3
3 to 4	17	6	58	26	70	37	71	37	126	55	342	161	47.0
4 to 5	15	4	51	18	71	26	47	14	144	50	328	112	34.1
5 to 10	53	6	179	34	215	71	208	60	420	109	1,075	280	26.0
10 to 15	12	2	85	4	79	8	59	5	128	22	363	41	11.2
15 to 20	6	0	23	0	33	1	28	0	70	6	160	7	4.3
20 and upwards...	4	0	36	1	82	1	59	6	92	10	273	18	6.5
Total	133	30	539	146	652	192	566	179	1,152	355	3,042	902	29.6
Mortality per cent. ...)	...	22.5	...	27.0	...	29.4	...	31.6	...	30.8	...	29.6	...

In recording the cases in the various tables, the clinical, rather than the bacteriological, evidence has been taken as the criterion of the diagnosis. Before January 1st, 1895, bacteriological methods were not available in all the Board's hospitals, and only to a limited extent in some; consequently, up to that time the nature of the cases was determined and recorded for the most part by the clinical evidence.

It is clear that in an endeavour to estimate the comparative value of the methods of treatment employed before and after that date, the two series of cases must be classified on a common basis. Experience has shown that the bacteriologist rejects a considerable percentage of cases which the clinical observer claims as diphtheria, and *vice versa*. But, for the most part, in cases of which the nature appeared doubtful, the diagnosis was determined by the bacteriological report; and these, almost without exception, mild cases, constitute a considerable proportion of the non-antitoxin group. In addition to the bacteriological examination of any doubtful case which was usually made at the individual hospital, all cases were systematically examined and reported on at the laboratories of the Royal Colleges, under the immediate supervision of Dr. Sims Woodhead.

TABLE IV.—*Cases of Diphtheria in which one or more Bacteriological Examinations failed to reveal Diphtheria Bacilli, 1896.*

NON-ANTITOXIN CASES.		ANTITOXIN CASES.		ALL CASES.		
Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Percentage Mortality.
82	13	109	40	191	53	27·7

It will be seen from the above table that in 4·5 per cent. of the cases included in the 1896 tables, the clinical diagnosis received no bacteriological confirmation, and it is to be noted that the death rate of these cases, viz., 27·7 per cent., is higher than the general diphtheria mortality for the year. (See Table II.)

We are now in a position to institute a comparison between the two sets of tables. On reference to Tables III. and II., we find that of 3,042 patients of all ages treated during 1894, 902 died—a mortality of 29·6 per cent.; whereas, of 4,175 cases treated during 1896, 871 died—a mortality of 20·8 per cent.; the difference in percentage between the two rates being, therefore, 8·8. This, assuming that the former rate would otherwise have been maintained, represents a saving of 365 lives during the past year.

Now, if we compare the mortalities at the different ages, the contrast will appear more striking. Tables III. and II. show, as was the case last year, that for every age-group, with the single exception of that comprising the years 15 to 20 (the numbers in which are small), the percentage mortality was less in the 1896 than in the 1894 cases, and, moreover, that the reduction in mortality was greatest in early life. Table V. shows the same fact in a somewhat different form.

TABLE V.—*Showing Variations in Reduction of Mortality obtained with Antitoxin at different Ages.*

AGES.	ANTITOXIN CASES, 1896.			ALL CASES, 1896.			ALL CASES, 1894.			Difference in Mortalities, 1894 and 1896.
	Cases.	Deaths.	Mortality per cent.	Cases.	Deaths.	Mortality per cent.	Cases.	Deaths.	Mortality per cent.	
Under 5	1,346	434	32·2	1,786	541	30·2	1,171	556	47·4	17·2
Under 10	2,402	672	27·9	3,294	814	24·6	2,246	836	37·2	12·6
Under 15	2,655	708	26·6	3,784	858	22·6	2,609	877	33·6	11·0
All ages	2,764	717	25·9	4,175	871	20·8	3,042	902	29·6	8·8

The reduction of percentage mortality in 1896 is seen to progressively diminish from 17·2 in the first quinquennium of life to 8·8 for all ages. In patients over 15 years of age the death rates in the years 1894 and 1896 were 5·7 and 3·3 respectively, a difference of 2·4. The average severity of attack in patients over 15 is much less than in those under 15, and the mortality being already low, there is less room for improvement.

That the year 1896, as compared with 1894, has not been favoured with a smaller proportion of young children is shown by Table VI., which gives for each year the comparative number of cases falling within the first three quinquennia of life.

TABLE VI.—*Showing Proportionate Number of Patients at different Ages expressed as a Percentage of Total Admissions.*

AGES.	1896.		1896.	1894.
	Antitoxin Cases.	Non-Antitoxin Cases.	All Cases.	All Cases.
Under 5	48·6	31·1	42·7	38·4
5 to 10	38·2	32·0	36·1	35·3
10 to 15	9·1	17·0	11·8	11·9
Over 15	3·9	19·7	9·2	14·2

We will now consider whether the period of time which had elapsed before the patients were brought under treatment has had any influence upon the fatality.

Table VII. represents a summary of Tables II. and III. from this point of view.

TABLE VII.—*Showing Percentage Mortality in relation to Day of Disease on which Cases came under Treatment.*

DAY OF DISEASE.	1894.	1896.	Difference.
1st	22·5	4·7	17·8
2nd	27·0	12·8	14·2
3rd	29·4	17·7	11·7
4th	31·6	22·5	9·1
5th and over	30·8	24·6	6·2
All Cases	29·6	20·8	8·8

It will be seen that the percentage mortality of cases admitted on the same day of the disease is less in every instance in the year 1896. The difference is most marked in the case of those patients who were admitted on the first, second, and third days of illness, viz., 17·8, 14·2, and 11·7. It is also considerable in those admitted on the fourth day, viz., 9·1. It is least in those who were not brought under the treatment till the fifth day or later, viz., 6·2.

Tables II. and III. show incidentally yet another fact, viz., that in 1894 37 per cent. of the patients were admitted on or after the fifth day of disease, and in 1896 no less than 45 per cent. Moreover, while in 1894 as many as 59·2 per cent. of the fatal cases were not brought under treatment till the fourth day or later, in 1896 the proportion was even higher, viz., 74·3 per cent.

If we revert to Table I., which deals exclusively with *the cases treated with antitoxin* during 1896, and compare it with Table III., which deals with all cases in 1894, striking differences are observed in the figures giving the results of treatment commenced upon the first and second day of illness. In the antitoxin cases the mortality per cent. for the first day is only 5·2 per cent., and for the second day 15 per cent., whilst for 1894 the figures are 22·5 and 27 per cent. respectively.

The aggregate mortality among cases which came under treatment on the first three days of illness was 18·2 per cent. in the antitoxin cases (Table I.), and 27·7 per cent. in those treated by other methods in 1894 (Table III.).

It will be noticed that Table I. shows no preponderance of early cases over Table III., the percentage of cases admitted on the first, second, and third day of disease respectively being 2, 14·6, and 20·1, against 4·3, 17·7, and 21·4. That Table I. includes a larger proportion of children under 10 years of age (and especially under five) than does Table III. is clearly shown in Table VI.

Further, as has already been stated, it has been the usual practice at all the hospitals not to administer antitoxin to mild forms of diphtheria.

It is therefore clear that the antitoxin cases must include an undue proportion of severe attacks, yet, notwithstanding, with the exception of the age-groups 10-15 and 15-20 (as was also the case last year), the mortality is less at all ages than in the series which came under treatment immediately before the remedy was introduced.

Laryngeal Cases. We will now pass to the consideration of those cases in which the larynx was involved. Table VIII. shows the mortality at the different ages of the tracheotomy cases treated with antitoxin, and Table IX. deals with all the laryngeal cases similarly treated.

Both these tables serve to indicate the well-known fact that for ages at any rate during the first two quinquennial periods of life, the fatality of laryngeal diphtheria, generally speaking, varies inversely with the age of the patient, and in this respect the antitoxin cases are no exception to the rule.

The results shown in both tables are most satisfactory. It will be seen that 40·3 per cent. of the laryngeal cases treated with antitoxin were tracheotomised, and of these 40·6 per cent. died.

ALL THE HOSPITALS. TABLE VIII.— <i>Tracheotomy Cases treated with Antitoxin.</i>				ALL THE HOSPITALS. TABLE IX.— <i>All Laryngeal Cases treated with Antitoxin.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	2	2	100·0	Under 1	13	8	61·5
1 to 2	28	19	67·8	1 to 2	54	26	48·1
2 to 3	37	17	45·9	2 to 3	87	29	33·3
3 to 4	34	11	32·3	3 to 4	109	22	20·1
4 to 5	36	11	30·5	4 to 5	87	22	25·2
5 to 10	56	17	30·3	5 to 10	126	30	23·8
10 to 15	4	3	75·0	10 to 15	11	4	36·3
15 and upwards ...	0	0	0·0	15 and upwards ...	1	0	0·0
Total	197	80	40·6	Total	488	141	28·8

With the object of determining whether any advantage is gained over former methods of treatment by the use of antitoxin in cases of laryngeal diphtheria, the results obtained in all such cases during the year 1896 are in the two following tables placed side by side with those obtained in 1894, before the remedy was employed, the year 1894 again being taken for comparison for the reason previously stated. Table X. deals with all the tracheotomy cases, and Table XI. gives the results of all the laryngeal cases, however treated. Table XII. shows the proportion of laryngeal cases which required tracheotomy at each hospital.

ALL THE HOSPITALS.

TABLE X.—*All Tracheotomies.*

AGES.	1894.			1896 (Antitoxin Year).		
	Cases.	Deaths.	Mortality per cent.	Cases.	Deaths.	Mortality per cent.
Under 1	5	4	80.0	2	2	100.0
1 to 2	33	29	87.8	32	21	65.6
2 to 3	46	35	76.0	42	18	42.8
3 to 4	53	33	62.2	40	15	37.5
4 to 5	45	32	71.1	36	11	30.5
5 to 10	75	47	62.6	56	17	30.3
10 to 15	1	1	100.0	4	3	75.0
15 and upwards... ..	3	3	100.0	0	0	0.0
Total	261	184	70.4	212	87	41.0

From the tables placed in the appendix it will be seen that the tracheotomy results at each hospital are more favourable in the year 1896 than in 1894, the mortality varying in the latter year at the different hospitals between 90 per cent. and 59.4 per cent., whereas in 1896 the range was from 63.5 to 29.1.

Table X. shows that the combined tracheotomy mortality for all the hospitals, which in 1894 was 70.4 per cent., has fallen to 41.0 per cent. in 1896.

This is a lower death-rate than has ever been recorded in any single hospital of the Board for a year's consecutive tracheotomies, with one exception, viz., the Western Hospital, in 1895, the first antitoxin year.

In other words, nearly 60 per cent. of the children on whom the operation has been performed have been saved during the past year. In four of the hospitals the recovery rate was over 60 per cent., and in two of these it was about 70 per cent.

ALL THE HOSPITALS.

TABLE XI.—*All Laryngeal Cases, however treated.*

AGES.	1894.			1896 (Antitoxin Year).		
	Cases.	Deaths.	Mortality per cent.	Cases.	Deaths.	Mortality per cent.
Under 1	9	8	88.8	13	8	61.5
1 to 2	66	52	78.7	61	31	50.8
2 to 3	85	55	64.7	92	30	32.6
3 to 4	79	49	62.0	117	26	22.2
4 to 5	76	43	56.5	10	22	24.4
5 to 10	138	72	52.1	131	32	24.4
10 to 15	3	1	33.3	11	4	36.3
15 and upwards... ..	10	9	90.0	1	0	0.0
Total	466	289	62.0	516	153	29.6

TABLE XII.—Percentage of Laryngeal Cases in which Tracheotomy was performed at each Hospital.

HOSPITAL.	1894.	1896 (Antitoxin Year).
Eastern	55.8	37.9
North-Western	58.9	40.9
Western	38.8	25.8
South-Western	68.1	53.3
South-Eastern	63.5	59.0
Fountain ... ..	...	44.4
Percentage for all cases	56.0	41.0

On reference to Table XI. it will be seen that the improved results in the tracheotomy cases of 1896 have also been shared by analogous cases in which the operation was not performed. The percentage mortality of all laryngeal cases has fallen from 62 in 1894 to 29.6 in 1896. Moreover, as will be referred to later, the number of laryngeal cases which required tracheotomy has fallen in 1896 to 41 per cent., whereas in 1894 it was 56 per cent. (See Table XII.)

For convenience of comparison the three following tables—XIII. to XV.—have been added. They briefly summarise the foregoing results, and as no returns for 1894 were furnished by the Fountain Hospital for the reason previously given, the Fountain cases have also been omitted from the 1896 figures in order that the two series may be rendered strictly comparable.

TABLE XIII.—Showing Comparative Mortality of Laryngeal Cases at all Hospitals (except the Fountain).

YEAR.	Cases.	Deaths.	Percentage Mortality.
1894	466	289	62.0
1896 (second antitoxin year)	462	143	30.9

TABLE XIV.—Showing Comparative Results in Tracheotomy Cases at all Hospitals (except the Fountain).

YEAR.	Cases.	Deaths.	Percentage Mortality.
1894	261	184	70.4
1896 (second antitoxin year)	188	80	42.5

TABLE XV.—Showing Comparative Number of Laryngeal Cases which required Tracheotomy at all Hospitals (except the Fountain).

YEAR.	Cases.	Tracheotomies.	Percentage of Tracheotomies.
1894	466	261	56.0
1896 (second antitoxin year)	462	188	40.6

On these tables further comment seems unnecessary.

**Complica-
tions.**

The following table shows the number and percentage incidence of complications which arose amongst those cases which form the subject of this report:—

ALL THE HOSPITALS.

TABLE XVI.—*Complications. Cases treated with Antitoxin, 1896.*

COMPLICATIONS.	Number of Cases.	Percentage on Total Cases.
Albuminuria	1,663	60·1
Nephritis	16	0·5
Paralysis (various)	713	25·7
Pneumonia, lobar	19	0·6
Do. lobular	86	3·1
Relapse of Disease	52	1·8

The affections given in the above table have hitherto been recorded as usual complications of diphtheria.

It is obvious that no conclusion as to the influence of antitoxin on the incidence of complications can be obtained by comparing the above table with another dealing with those cases which, during the same period, were not so treated, because, the average severity of the cases in the two groups being so widely different, their liability to the development of these very complications was also very different. But for the purposes of comparison the following table may be referred to. It deals with the complications in all cases of diphtheria in all the hospitals during the years 1894 and 1896.

ALL THE HOSPITALS.

TABLE XVII.—*Complications. All Cases.*

COMPLICATIONS.	1894.		1896.	
	Number of Cases.	Percentage on Total Cases.	Number of Cases.	Percentage on Total Cases.
Albuminuria*	603	24·1	2,230	53·4
Nephritis	37	1·2	24	0·5
Paralysis (various)	403	13·2	891	21·3
Pneumonia, lobar	11	0·3	24	0·5
Do. lobular	50	1·6	107	2·5
Relapse of Disease	28	0·9	67	1·6

Table XVII. shows an increase in the year 1896 in respect to each of the usual complications of diphtheria except nephritis. The increase is most noticeable in

* In calculating the percentage incidence of albuminuria for 1894, the South-Western Hospital is omitted, the figures not being available.

the cases of albuminuria and paralysis. It is impossible to assign this increase to the operation of any one cause; but there is reason to believe that it is to some extent more apparent than real. Certainly it is so with regard to albuminuria; for during the past year every instance of that complication has been included, which was not the practice at some of the hospitals in previous years. (See last year's report.) Again, with a lessened mortality, or even with a mere prolongation of life, an increased incidence of complications is, *ceteris paribus*, to be expected, at any rate with respect to the more severe and late cases, simply because more time is allowed for complications to develop. It is interesting to note that the incidence of nephritis has fallen to 0.5 per cent., a fact that fully bears out what we stated in our last report concerning the rarity of this complication, and its independence of the administration of antitoxin.

When we examine and compare the tables of the individual hospitals (see appendix), we find considerable divergence in respect to the frequency of the different complications. As every endeavour has been made to secure uniformity in definition and record, this difference must be largely due to the varying nature and severity of the cases in the different hospitals. With regard to albuminuria, every case has been reckoned in which albumen has been detected in the urine, even though only on one occasion. This, doubtless, accounts for a large part of the increased percentage of this complication—or rather symptom—observed in the 1896 table when compared with those of 1894 and 1895. In 1895 the incidence on all cases was 41.5 per cent., and on the non-antitoxin cases 28.6 per cent. In 1896 the percentage incidence of albuminuria on the non-antitoxin cases rose to 40.1, and for the other complications was as follows:—Nephritis, 0.5; paralysis, 12.6; pneumonia (lobar), 0.3; pneumonia (lobular), 1.4; relapse, 1.0.

Table XVIII. deals with the complications presumably connected with antitoxin.

ALL THE HOSPITALS.

TABLE XVIII.—*Complications probably connected with Antitoxin, 1896.*

COMPLICATIONS.	Number of Cases.	Percentage on Total Cases.
Rash	974	35.2
Joint Pains	180	6.5
Pyrexia, with or without rash or pains	549	19.8
Abscess at site of injection	35	1.2

From the above table it will be seen that, as was the case in 1895, a rash is the most common sequel. It usually takes the form of an urticaria, or a vivid patchy erythema, more or less covering the trunk and extremities; and is very similar to the eruptions of measles and septicæmia. It is sometimes scarlatiniform. It is often accompanied by pyrexia. This secondary fever in a few cases persists for several days, and may be unaccompanied by any other obvious symptom. In

our last year's report we made the statement that it had the effect of somewhat retarding convalescence, and no doubt in rare instances, in patients whose vitality had been lowered by a severe attack of diphtheria, might act prejudicially if arising at a time when symptoms of cardiac failure were present. Our experience of the past year, however, has led us to very considerably modify this opinion. We have found that with the use of smaller doses of a more potent serum, the rash, pains in the joints, and secondary pyrexia have been comparatively trivial, and we can now state that there is practically no risk associated with their development.

An abscess will occasionally form at the site of injection, in spite of the greatest care. Considering the large number of injections (6,152), and the septic element which is present in so large a proportion of the severe attacks, the number of abscesses is not excessive.

If Table XVIII. be compared with the similar table in last year's report, it will be found that there has been a considerable reduction in the percentage incidence of rash, secondary pyrexia, and abscess at the site of injection; the figures for 1895 being 45·9, 29·6, and 2·3 respectively. It is true that the percentage incidence of joint pains has increased from 4·7 to 6·5, but the severity of all these complications has been undoubtedly less.

The serum given during 1896 has been of higher immunisation value than that supplied during the previous year; consequently, the bulk of serum necessary to secure an equal antitoxic effect has been less.

The fact that this reduction in the amount of serum injected had been attended with a marked diminution in the incidence and severity of most of the complications admittedly associated with the treatment, while the antitoxic standard has been maintained, affords strong confirmation of the belief that these drawbacks, trivial though they be, must be ascribed not to antitoxin or any substance concerned in its elaboration, but to the vehicle in which it is administered, viz., horse serum. With better means of preparation, even greater improvement in this respect may doubtless be expected.

Dosage. The serum employed during the year 1896 has been supplied, almost without exception, by Dr. Sims Woodhead, in accordance with the arrangement between the Metropolitan Asylums Board and the controlling body of the laboratories of the Royal Colleges of Physicians and Surgeons. It has been of a greater immunisation value than that supplied during 1895. In our last report we were unable to give the dosage in Behring's immunisation units, and were forced to content ourselves with expressing it in cubic centimetres. The following table (Table XIX.) gives the dosage in immunisation units for all cases at each of the hospitals, with the exception of three recoveries at the Eastern and 136 recoveries and 27 deaths at the South-Eastern Hospitals, in which the unit-value of the serum has not been ascertained.

TABLE XIX.—*Showing Dosage at each Hospital.*

CASES WHICH RECOVERED.						
HOSPITALS.	Number of Units.	Number of Patients.	Number of Injections.	Average Dose per Injection.	Average Number of Injections per Patient.	Average Amount per Patient.
Eastern	1,917,574	374	829	2313·1	2·1	5127·2
North-Western ...	1,126,660	225	316	3565·3	1·4	5007·3
Western	1,370,000	376	885	1548·02	2·3	3643·6
South-Western ...	1,036,800	254	972	1066·6	3·8	4081·8
South-Eastern... ..	969,500	250	412	2348·3	1·7	3878·0
Fountain	1,884,190	429	915	2059·2	2·1	4392·0
Totals	8,304,724	1,908	4,329	1983·3	2·3	4352·5
CASES WHICH DIED.						
Eastern	1,015,115	98	119	8530·3	1·2	10358·3
North-Western ...	755,020	131	214	3528·1	1·6	5763·5
Western	950,000	149	400	2375·0	2·6	6375·8
South-Western ...	655,218	76	318	2060·7	4·1	8621·2
South-Eastern... ..	505,000	90	167	3023·9	1·8	5611·1
Fountain	811,870	146	323	2513·5	2·2	5560·7
Totals	4,692,223	690	1,541	3044·9	2·2	6800·3
ALL CASES.						
Eastern	2,932,689	472	948	3093·5	2·0	6213·3
North-Western ...	1,881,680	356	530	3550·5	1·4	5285·6
Western	2,320,000	525	1,285	1805·0	2·4	4228·7
South-Western ...	1,692,018	330	1,290	1311·6	3·9	5127·6
South-Eastern... ..	1,474,500	340	579	2546·6	1·7	4336·7
Fountain	2,696,060	575	1,238	2177·7	2·1	4688·8
Totals	12,996,947	2,598	5,870	2214·1	2·2	5002·6

A more extended experience strengthens us in the conclusion that the most essential point in the treatment is to begin it as early in the course of the disease as possible. A dose of 2,000 units will usually secure a result on the first day which 50,000 will not effect on the fourth. For ordinary mild cases on the first day 2,000 units is enough; but when, as sometimes happens, the symptoms have

progressed very rapidly even in a few hours, a larger amount must be given. As regards units, there is, as far as we know, no limit to the number that may be injected. It is entirely a question of the concentration of the serum. With the strongest that has been supplied to us (4,000 units in 10, and in a few instances in 5 cubic centimetres), 8,000 units can easily be given in one injection. And with such a serum the rule must be to give in severe cases 8,000 to 12,000 units when the patient is first seen, followed by another 2,000 to 8,000 units every 12 hours for the next 24 or 48 hours or longer, according to the gravity of the case and the persistence of the local exudation. But undoubtedly the cardinal point—and we venture on that account to repeat the statement—is to commence the treatment as early as possible.

It will be seen from the adjoining table (Table XX.) that, compared with 1894, there has been a considerable reduction in the mortality at all the hospitals except the North-Western, which also for 1896 showed the highest mortality; and at this hospital a very much smaller proportion of patients has been treated with the serum than at any of the others. We think that this is a noteworthy point, though it should be mentioned that the percentage of cases under five is larger, and of those admitted on the first three days of disease smaller, at this hospital than elsewhere. Up to, and including, the year 1894, the North-Western Hospital had furnished as a rule a lower mortality from diphtheria than any other of the Board's hospitals.

TABLE XX.—*Showing Reduction of Mortality at each Hospital in relation to Proportion of Patients treated with Antitoxin, and the Dosage.*

HOSPITAL.	Percentage Mortality, 1894.	Percentage Mortality, 1896.	Difference.	Percentage of Cases treated with Antitoxin.	Average Dose per Patient in Units.
Eastern	30.0	17.3	— 12.7	75.0	6213.3
North-Western ...	26.9	27.3	+ 0.4	44.3	5285.6
Western	37.1	21.8	— 15.3	70.6	4228.7
South-Western ...	28.5	16.3	— 12.2	68.1	5127.6
South-Eastern ...	29.7	20.2	— 9.5	78.8	4336.7
Fountain ... ..	...	19.7	...	65.7	4688.8
All the Hospitals	29.6	20.8	— 8.8	66.2	5002.6
All the Hospitals, } excluding the } North-Western }	31.2	19.3	— 11.9	71.3	4957.7

Comparison with 1895, the first antitoxin year. It will be instructive to compare the tables for 1896 with those for 1895, which, for the sake of convenience, we here reproduce.

ALL THE HOSPITALS.

TABLE XXI.—Cases treated with Antitoxin, 1895.

(Showing day of disease on which the treatment was commenced.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	1	0	10	5	8	6	5	0	13	7	37	18	48.6
1 to 2	10	2	37	13	40	17	30	20	65	42	182	94	51.6
2 to 3	9	0	38	5	42	18	39	16	59	26	187	65	34.7
3 to 4	16	2	46	8	64	17	61	25	123	52	310	104	33.6
4 to 5	10	0	54	8	50	13	82	38	101	39	297	98	32.9
5 to 10	30	0	145	18	170	40	159	45	312	93	816	196	24.0
10 to 15	10	0	53	2	44	6	46	4	74	19	227	31	13.6
15 to 20	0	0	7	1	12	1	12	2	19	2	50	6	12.0
20 and upwards...	0	0	13	0	19	0	19	0	25	3	76	3	3.9
Total	86	4	403	60	449	118	453	150	791	283	2,182	615	28.1
Mortality per cent. ... }	...	4.6	...	14.8	...	26.2	...	33.1	...	35.7	...	28.1	...

ALL THE HOSPITALS.

TABLE XXII.—All cases, both those treated with Antitoxin and those not, 1895.

(In the case of those not treated with Antitoxin, day of disease = day of disease on which the patient was admitted to hospital.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	2	1	18	8	9	6	7	1	20	8	56	24	42.8
1 to 2	9	2	45	17	48	20	38	23	88	52	228	114	50.0
2 to 3	14	2	48	6	65	30	57	19	100	39	284	96	33.8
3 to 4	26	6	63	11	102	22	87	31	169	66	447	136	30.4
4 to 5	14	1	76	12	80	17	106	41	162	56	438	127	28.9
5 to 10	42	3	222	20	263	58	234	52	506	114	1,267	247	19.4
10 to 15	15	0	83	2	87	10	88	4	151	19	424	35	8.4
15 to 20	3	0	26	2	41	1	24	2	58	6	152	11	7.2
20 and upwards ...	3	0	41	0	49	0	51	1	89	5	233	6	2.5
Total	128	15	622	78	744	164	692	174	1,343	365	3,529	796	22.5
Mortality per cent. ... }	...	11.7	...	12.5	...	22.0	...	25.1	...	27.1	...	22.5	...

Comparing the above tables with Tables I. and II. of the present report, and contrasting both with the 1894 cases, it will be found that the results of 1896 do not on the whole differ very greatly from those of 1895; consequently, what we said in our previous report of the latter year can also be said now, in almost the same words, of the former. During 1896 a larger proportion of children under five and ten years and of cases admitted on the fourth day or later have been under treatment than was the case in 1895, so that, other things being equal, a heavier mortality was to be expected for the past than for the previous year. Yet the most marked improvements are to be observed in the age-group 1 to 5, and in the cases treated on or after the third day of the disease.* A larger proportion of patients has been treated with antitoxin during 1896, which also, as we have already said, has been administered in larger doses (units), and the bulk of it within a shorter time of the patient's admission, than was the case in 1895.

There has been a very considerable improvement in the recovery rates of the tracheotomy and laryngeal cases, the rates being 59 and 70·4 for 1896, against 49·4 and 42·3 per cent. for 1895. The number of laryngeal cases requiring tracheotomy has fallen from 45·3 to 41 per cent.

A comparison of Table I. with Table II. (1896) might lead the superficial observer to conclude that the cases not treated with antitoxin admitted upon the first two days of the disease did better than those so treated. But, apart from the fact that the non-antitoxin cases include a very large number of those which were of a doubtful and mild nature, it will be noticed that there was amongst them a much smaller proportion of children under five years than amongst the cases treated with antitoxin.†

Reference to the tables which are placed in the appendix reveals, as was only to be expected from past experience, differences between the individual hospitals. But when the tables of 1896 are compared with those of 1894, the results are, on the whole, much the same as have been shown to exist in the combined tables. The hospital which departs most from the general rule is that in which the smallest proportion of patients has been treated with antitoxin.

Clinical effects.

In our last year's report we stated that certain effects were observed to follow the administration of antitoxin in cases brought under treatment at a sufficiently early date. We see no reason for altering what we then said. The effects of the treatment were stated to be as follow:—

- (i.) A diminution of the faucial swelling and consequent distress.
- (ii.) A lessening, if not an entire cessation, of the irritating and offensive discharge from the nose.
- (iii.) A limitation of the extension of membrane.
- (iv.) An earlier separation of the exudation. This may be recorded as a matter of clinical observation in faucial attacks, and the following table shows that such was the case in four of the hospitals from which a record was obtainable. The results are much the same as last year,

* The years 1895 and 1896 were somewhat worse off than 1894, viz., in the proportion of cases in which laryngeal symptoms were present before admission to hospital. The percentage of such cases on the total admissions (excluding the Fountain) was as follows for each year:—In 1894, 11·4; in 1895, 15·1; and in 1896, 13·5.

† One of the fatal cases treated on the first day with antitoxin in the age-group 2 to 5 died of tuberculosis several weeks after the attack of diphtheria, the symptoms of tuberculosis having been present for some time before the attack of diphtheria supervened.

except that there has been a considerable improvement at the North-Western Hospital, possibly on account of the increased dosage in these cases.

TABLE XXIII.—Average Persistence of Exudation (in Days) after Treatment was commenced in those Cases which Recovered during the Years 1894 and 1896.

HOSPITAL.	1894.	1896 (Antitoxin Cases).	Difference.	Average Amount of Antitoxin given in each Case in Units.
Eastern... ..	4.2	3.0	— 1.2	5127.2
North-Western	6.6	4.3	— 2.3	5007.3
Western	8.3	5.3	— 3.0	3643.6
South-Western	4.6	3.1	— 1.5	4081.8

(v.) A limitation and earlier separation of membrane in laryngeal cases.

Evidence of this is afforded by Table XII., which shows that in 1896 a lesser percentage of laryngeal cases called for tracheotomy. Moreover, the following table shows that in the same year a considerably less percentage of cases developed the symptoms of croup after coming under treatment.

TABLE XXIV.—Showing Percentage of Cases in which the Larynx became involved after Admission.

YEAR.	Total cases of Diphtheria.	Cases which developed Croup after Admission.	Percentage on Total Cases.
1894	3,042	116	3.81
1895 (antitoxin year)	2,965	18	0.60
1896 (antitoxin year)	3,300	16	0.48

The cases treated at the Fountain Hospital are omitted from this table for reason given on page 186.

(vi.) An improvement in the general condition and aspect of the patients.

(vii.) A prolongation of life, in fatal cases, to an extent not obtained with former methods of treatment. This is shown by the following table:—

TABLE XXV.—Average Duration of Life (in Days) after Admission in Fatal Cases during the Years 1894 and 1896.

HOSPITAL.	1894.	1896 (Antitoxin Cases).	Difference.	Average Amount of Antitoxin given to each Case in Units.
Eastern... ..	7.3	10.3	+ 3.0	10358.3
North-Western	9.4	6.7	— 2.7	5763.5
Western	7.9	9.2	+ 1.3	6375.8
South-Western	4.9	8.3	+ 3.4	8621.2
South-Eastern	5.4	8.2	+ 2.8	5611.1
Fountain ... ..	...	10.1	...	5560.7

It will be seen that, as was the case last year, in only one of the hospitals was the average duration of life after admission less than in 1894.

We are of opinion that no constant or important effect upon either the temperature or pulse-rate is attributable to antitoxin.

SECTION II.

Post-scarlatinal Diphtheria. This section of the report deals with the results of the antitoxin treatment in cases of diphtheria which have occurred amongst patients convalescent from scarlet fever in all of the hospitals (acute and convalescent) except the Brook.

It has been drawn up on the same lines as the preceding section, which deals with the cases of primary diphtheria.

The statistical tables given are combined tables; it has been thought unnecessary to introduce the tables of the individual hospitals, the figures in most of them being very small. Table A shows the details as regards age and day of commencement of treatment in the antitoxin cases. Table B shows the same points in respect to all the cases; it differs from Table A only as regards the columns relating to the first-day cases and the total numbers. It should be pointed out that, the patients all being under immediate medical observation, the day when the disease commenced is very accurately known.

ALL THE HOSPITALS.

TABLE A.—Cases of Post-Scarlatinal Diphtheria treated with Antitoxin, 1896.

(Showing day of disease on which the treatment was commenced.)

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	3	1	1	1	0	0	0	0	0	0	4	2	50.0
1 to 2	7	2	6	1	2	0	0	0	0	0	15	3	20.0
2 to 3	13	1	4	0	2	1	1	1	2	0	22	3	13.6
3 to 4	34	1	18	2	4	2	2	1	3	2	61	8	13.1
4 to 5	23	0	29	2	6	0	1	1	1	1	60	4	6.6
5 to 10	116	1	78	0	22	1	5	2	6	3	227	7	3.1
10 to 15	40	0	18	0	3	1	3	0	1	0	65	1	1.5
15 to 20	13	0	6	0	0	0	0	0	1	0	20	0	0.0
20 and upwards..	1	0	3	0	4	0	0	0	1	0	9	0	0.0
Total	250	6	163	6	43	5	12	5	15	6	483	28	5.7
Mortality per cent. ... }	...	2.3	...	3.6	...	11.6	...	41.6	...	40.0	...	5.7	...

ALL THE HOSPITALS.

TABLE B.—All Cases of Post-Scarlatinal Diphtheria, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	3	1	1	1	0	0	0	0	0	0	4	2	50.0
1 to 2	11	4	6	1	2	0	0	0	0	0	19	5	26.3
2 to 3	26	3	4	0	2	1	1	1	2	0	35	5	14.2
3 to 4	58	2	18	2	4	2	2	1	3	2	85	9	10.5
4 to 5	54	0	29	2	6	0	1	1	1	1	91	4	4.3
5 to 10	209	3	78	0	22	1	5	2	6	3	320	9	2.8
10 to 15	75	0	18	0	3	1	3	0	1	0	100	1	1.0
15 to 20	23	0	6	0	0	0	0	0	1	0	30	0	0.0
20 and upwards..	3	0	3	0	4	0	0	0	1	0	11	0	0.0
Total	462	13	163	6	43	5	12	5	15	6	695	35	5.0
Mortality per cent. ...)	...	2.8	...	3.6	...	11.6	...	41.6	...	40.0	...	5.0	...

Compared with Tables I. and II. in the preceding section, Tables A and B contain a much larger proportion of cases treated early, and a much smaller proportion of children under five years of age. Consequently, it might be expected that the mortality of the post-scarlatinal cases would, *ceteris paribus*, be found to be lower than that of the primary diphtheria cases. To find it as low as 5.7 per cent., however (see Table A), almost exceeds expectation. This table well illustrates the importance of commencing the treatment early. Another striking fact is the low mortality of the children under five, viz., 12.3 per cent.

If from the totals of the first two columns in Table B the corresponding figures in Table A be subtracted, it will be seen that 212 cases were not treated with antitoxin, with seven deaths, yielding a mortality of 3.3 per cent. (Of these seven deaths, four were due to intercurrent diseases, and two occurred at the North-Eastern Hospital, Tottenham, before March 19th, the date at which the treatment was first introduced at that hospital.)

At certain of the hospitals, notably the Northern and Gore Farm, the adoption of the bacteriological test has doubtless been responsible for the inclusion of a good many cases which from their mildness would previously have been regarded as non-diphtheritic in character. This accounts for a large proportion of the non-antitoxin cases. On the other hand, by far the larger proportion of the antitoxin group are cases which would have been diagnosed as diphtheria apart from any bacteriological considerations. But even if we exclude all the non-antitoxin recoveries from the table and then calculate the mortalities, we find that the death rate of all the cases is 7.2 per cent., and of the first-day cases 5.2, rates which are extraordinarily low for diphtheria. The high mortality of

post-scarlatinal diphtheria in past years is notorious.* Up to, and including, 1894, there are to be found in the records of the individual hospitals only three instances in which it was below 30 per cent., viz., 13, 22·2, 25 for the Gore Farm, South-Western, and North-Western Hospitals in 1894, 1892, and 1894 respectively; and of 482 cases recorded in the Statistical Committee's Annual Reports for the five years 1890-1894, the mortality was slightly over 50 per cent. The chief cause of the low mortality of the post-scarlatinal diphtheria cases as compared with the primary cases dealt with in Section I. is doubtless the fact that the majority of the cases come under treatment on the first two days of the disease.

The following table shows the cases in which the diagnosis was not confirmed bacteriologically:—

TABLE C.

NON-ANTITOXIN CASES.		ANTITOXIN CASES.		ALL CASES.		
Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Percentage Mortality.
18†	1	22	2	40	3	7·5

Of the 483 antitoxin cases, the larynx was affected in 76, or 15·7 per cent.; while of the 212 non-antitoxin cases, in only 14, or 6·6 per cent., was this the case. Tables D to G deal with the laryngeal cases.

ALL THE HOSPITALS. POST-SCARLATINAL DIPHThERIA. TABLE D.— <i>Tracheotomy Cases treated with Antitoxin.</i>				ALL THE HOSPITALS. POST-SCARLATINAL DIPHThERIA. TABLE E.— <i>All Laryngeal Cases treated with Antitoxin.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	2	1	50·0	Under 1	3	2	66·6
1 to 2	1	1	100·0	1 to 2	10	3	30·0
2 to 3	3	2	66·6	2 to 3	9	2	22·2
3 to 4	5	2	40·0	3 to 4	23	5	21·7
4 to 5	4	2	50·0	4 to 5	10	2	20·0
5 to 10	6	2	33·3	5 to 10	18	3	16·6
10 to 15	2	1	50·0	10 to 15	3	1	33·3
15 and upwards ...	0	0	0·0	15 and upwards ...	0	0	0·0
Total	23	11	47·8	Total	76	18	23·6

30·2 per cent. of the laryngeal cases were tracheotomised.

* Cf. a paper by Mr. Sweeting, in the Transactions of the Epidemiological Society for 1892-93.

† Fifteen of these were cases at the North-Eastern Hospital, in which no bacteriological examination was made.

ALL THE HOSPITALS. POST-SCARLATINAL DIPHThERIA. TABLE F.— <i>All Tracheotomies.</i>				ALL THE HOSPITALS. POST-SCARLATINAL DIPHThERIA. TABLE G.— <i>All Laryngeal Cases, however treated.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	2	1	50·0	Under 1	3	2	66·6
1 to 2	2	2	100·0	1 to 2	12	4	33·3
2 to 3	4	3	75·0	2 to 3	11	3	27·2
3 to 4	5	2	40·0	3 to 4	27	5	18·5
4 to 5	5	2	40·0	4 to 5	12	2	16·6
5 to 10	8	3	37·5	5 to 10	22	4	18·1
10 to 15	2	1	50·0	10 to 15	3	1	33·3
15 and upwards ...	0	0	0·0	15 and upwards ...	0	0	0·0
Total	28	14	50·0	Total	90	21	23·3

31·1 per cent. of the laryngeal cases were tracheotomised.

From these tables it appears that the mortality of the tracheotomies treated with antitoxin was 47·8 per cent., and of all the tracheotomies 50 per cent. These results are much better than those of the past, and are very satisfactory, though not quite so good as amongst those of the primary diphtheria cases in Section I. On the other hand, the mortalities of all the laryngeal cases, viz., 23·6 per cent. for those treated with antitoxin, and 23·3 for all cases, are lower than those of the cases in Section I. Moreover, a smaller percentage of post-scarlatinal laryngeal cases have required tracheotomy, viz., 30·2 per cent. of the antitoxin and 31·1 of all the cases.

In 90 of the 695 cases tabulated in Table B the larynx became affected, that is, in 12·9 per cent. But in only five cases did the larynx become invaded after the administration of antitoxin.

Of the 483 cases treated with antitoxin 76 were laryngeal cases; in five of these the laryngeal symptoms came on after the first injection of antitoxin, while in the remaining 71 the larynx was attacked by the diphtherial process before antitoxin was given. Subtracting these 71 cases from the 483, we get 412 cases in which there were no laryngeal symptoms present when the antitoxic treatment was first commenced, and in only five, or 1·2 per cent. of these, did laryngeal extension supervene. On the other hand, in 14, or 6·6 per cent., of the 212 cases not treated with antitoxin the larynx was invaded. To these cases we may fairly add those of the 71 above mentioned in which the larynx was attacked subsequently to the fauces, but before antitoxin was injected, for up to the time of their exhibiting laryngeal symptoms they were non-antitoxin cases. The number of them was at least 24; so that of 236 cases of diphtheria not treated with antitoxin, in 38 symptoms of laryngeal obstruction arose, or 16·6 per cent., which is fourteen times the number per cent. of similar cases occurring in the antitoxin group.

Tables H and I show the percentage incidence of the complications of diphtheria for the antitoxin and for all the cases respectively.

ALL THE HOSPITALS.			ALL THE HOSPITALS.		
TABLE H.— <i>Complications. Post-Scarlatinal Diphtheria Cases treated with Antitoxin, 1896.</i>			TABLE I.— <i>Complications. All Cases of Post-Scarlatinal Diphtheria, 1896.</i>		
Number of Cases of Diphtheria, 483.			Number of Cases of Diphtheria, 695.		
COMPLICATIONS.	Number of Cases.	Percentage on Total Cases.	COMPLICATIONS.	Number of Cases.	Percentage on Total Cases.
Albuminuria	181	37.4	Albuminuria	222	31.9
Nephritis	5	1.0	Nephritis	9	1.3
Paralysis (various)...	34	7.0	Paralysis (various)...	47	6.7
Pneumonia, lobar ...	2	0.4	Pneumonia, lobar ...	3	0.4
Do. lobular	8	1.6	Do. lobular	11	1.5
Relapse of Disease ...	13	2.6	Relapse of Disease ...	14	2.0

Comparing these with Tables XVI. and XVII. in Section I., it will be found that the incidence of albuminuria and paralysis is very much less in the post-scarlatinal diphtheria cases; the incidence of lobular pneumonia is also less, while those of nephritis and relapse are somewhat higher; that of lobar pneumonia is about the same. The smaller albuminuria and paralysis incidence is probably due to the fact that so many of the cases have been got at a very early stage of the disease, before the products of the diphtheria bacillus could have had time to cause any marked changes in the tissues. The larger incidence of nephritis is most likely due to the fact that this affection is a common sequel of scarlet fever.

Table J, which records the number and percentage incidence of the complications probably connected with antitoxin, differs little from the similar table in the previous section (Table XVIII.). The only marked difference is in the incidence of joint pains. But what we had to say as regards the mildness of these complications in Section I. applies equally to the cases we are now discussing.

ALL THE HOSPITALS.

TABLE J.—*Complications probably connected with Antitoxin.*

Number of Cases treated, 483.		
COMPLICATIONS.	Number of Cases.	Percentage on Total Cases.
Rash	183	37.8
Joint Pains	55	11.3
Pyrexia, with or without rash or pains	83	17.1
Abscess at site of injection	6	1.2

Dosage. Of the 483 cases treated with serum, the following table shows the dosage employed in 445 expressed in immunisation units. In the remaining 38 cases the doses were recorded in cubic centimetres, and as it has been found impossible to ascertain the antitoxic equivalent of the different sera employed, these cases have been omitted from the table.

TABLE K.—*Dosage of Post-Scarlatinal Diphtheria Cases.*

	No. of Units.	No. of Patients.	No. of Injections.	Average dose per Injection.	Average No. of Injections.	Average amount per Patient.
Cases which recovered	2,056,999	423	793	2593·9	1·8	4862·3
Cases which died ...	135,620	22	49	2767·7	2·2	6164·5
All cases... ..	2,192,619	445	842	2604·0	1·8	4927·1

CONCLUSION.

The improved results in the diphtheria cases treated during the year 1896, which are indicated by the statistics and clinical observations set forth in the preceding report, are:—

- (i.) A great reduction in the mortality of cases brought under treatment on the first three days of illness.
- (ii.) The lowering of the combined general mortality to a point below that of any former year.
- (iii.) The still more remarkable reduction in the mortality of the laryngeal cases.
- (iv.) The uniform improvement in the results of tracheotomy at each separate hospital.
- (v.) The beneficial effect produced on the clinical course of the disease.

We have had, in fact, somewhat better results to record for 1896 than we had for 1895; and, in view of the extended experience gained during the past year, together with the additional facts concerning the post-scarlatinal cases for 1896, we feel that we are fully justified in the favourable opinion we expressed last year on the value of antitoxin in the treatment of diphtheria.

We would repeat what we stated last year as to the paramount importance of commencing the treatment early—if possible, not later than the second day of the disease. From this time onward the chance of a successful issue will diminish in proportion to the length of time which has elapsed before the treatment is commenced. This, though doubtless true of other methods, is of still greater moment in the case of treatment by antitoxin.

We have already drawn attention to the trivial nature of the secondary effects that not infrequently arise as a direct result of the injection of antitoxic

serum, and we think that neither these effects nor the increased incidence of some of the usual complications are worthy of being considered practical deterrents when the beneficial results of the treatment are remembered.

We have only to add that we still hold to the opinion that in the antitoxic serum we possess a remedy of distinctly—we would now say much—greater value in the treatment of diphtheria than any other with which we are acquainted.

We desire to express our best thanks to the following gentlemen for the great assistance they have rendered us in preparing the statistical tables contained in the appendix to this Report, viz.:—Drs. J. S. Richards, F. J. Woollacott, and H. T. Parker, of the Eastern Hospital; Dr. J. E. Beggs, of the North-Eastern Hospital; Dr. A. Stanley, of the North-Western Hospital; Mr. E. Hill, Drs. C. A. Kent and H. F. Mantell, and Mr. G. S. Hanwell, of the Western Hospital; Drs. W. J. Stewart and H. E. Cuff, and Mr. F. Pershouse, of the South-Western Hospital; Drs. G. Thornton and P. F. Moore, and Mr. R. Fox Symons, of the Fountain Hospital; Mr. J. Wilkins, Drs. A. D. Hodges, A. Miller, and A. K. Gordon, of the South-Eastern Hospital; Mr. J. L. Hague and Dr. E. H. Ridley, of the Northern Hospital; Dr. C. Rundle, of Gore Farm Hospital.

(Signed) J. MACCOMBIE.
R. M. BRUCE,
F. FOORD CAIGER,
F. N. HUME,
E. W. GOODALL,
C. E. MATTHEWS,
F. MEADOWS TURNER,
F. THOMSON.

Although a reduction in the mortality of laryngeal cases has actually occurred, and the percentage of laryngeal cases in which tracheotomy was required is reduced, the undersigned regrets that the results obtained at the North-Western Hospital are not such as to enable him to subscribe to all the conclusions contained in the foregoing report. The responsibility attached to any returns pertaining to the North-Western Hospital is fully realised by him as the Medical Superintendent. During the greater part of last year, however, he was suffering from the effects of an attack of Diphtheria, in consequence of which he was compelled, under advice, to take little or no part in either the supervision or treatment of the disease.

(Signed) WM. GAYTON,

APPENDIX.

Detailed List of Fatal Cases amongst those not treated with Antitoxin, 1896.

EASTERN HOSPITAL.

No	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	M. A. G.	5	9th	3	...	Cardiac failure ...	Hæmorrhagic diphtheria; in a hopeless condition on admission.
2	C. D.	5	17th	2	...	Do. ...	Moribund on admission.
3	F. S.	2	10th	9	...	Do. ...	Exudation nearly gone on admission; child did not seem very ill, but anuria supervened.
4	W. S.	5	5th	...	5	Do. ...	Moribund on admission.
5	H. L.	2	3rd	15	...	Broncho-pneumonia	Child was the subject of whooping-cough and broncho-pneumonia before being attacked with diphtheria, which was very slight.
6	V. J.	1	8th	...	38	Cardiac failure ...	Moribund on admission.
7	M. L.	1	4th	...	$\frac{1}{2}$	Do. ...	Do.
8	F. H.	3	6th	16	...	Do. ...	Very ill on admission, and thought to be scarlet fever.
9	M. G.	1	6th	...	17	Do. ...	Moribund on admission.
10	E. J.	11	5th	4	...	Do. ...	In a hopeless state on admission.
11	M. H.	7	6th	...	6	Do. ...	Moribund on admission; hæmorrhagic diphtheria.
12	F. W.	5	5th	...	...	—	Died while being brought to hospital.

NORTH-WESTERN HOSPITAL.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	E. M.	5	7th	11	...	Anuria.	
2	A. G.	3	7th	7	...	Nephritis.	
3	M. B.	5	2nd	12	...	Anuria.	
4	E. D.	5	4th	59	...	Scarlet fever and meningitis	A mild case on admission.

NORTH-WESTERN HOSPITAL.—*Continued.*

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
5	W. W.	3	2nd	3	...	Toxæmia	Moribund on admission.
6	W. M.	10	7th	...	25	Do.	Do.
7	B. T.	8	12th	6	...	Cardiac failure.	
8	B. N.	1	3rd	3	...	Do.	
9	E. K.	2	2nd	3	..	Toxæmia	Moribund on admission.
10	E. M. S.	1	4th	4	...	Cardiac failure.	
11	M. C.	11 m'ths	2nd	5	...	Do.	
12	W. S.	3	4th	7	...	Do.	
13	M. P.	2	4th	...	17	Broncho-pneumonia	Moribund on admission.
14	N. H.	3	5th	5	...	Do.	
15	G. B.	2	3rd	6	...	Cardiac failure.	
16	F. W.	6 m'ths	4th	2	...	Do.	
17	S. W.	2	7th	4	...	Anuria.	
18	F. C.	2	8th	8	...	Toxæmia.	
19	J. B. B.	3	7th	8	...	Cardiac failure.	
20	O. F.	10	5th	13	...	Paralysis.	
21	F. M.	3	3rd	4	...	Cardiac failure.	
22	C. H.	4	8th	...	28	Anuria	Moribund on admission.
23	A. P.	3	8th	20	...	Paralysis.	
24	G. H.	4	5th	...	40	Anuria	Moribund on admission.
25	E. B.	3	8th	5	...	Do.	
26	A. P.	11	6th	10	...	Do.	
27	C. F.	8	7th	8	...	Do.	
28	H. S.	2	3rd	13	...	Convulsions.	
29	F. T.	3	18th	5	...	Toxæmia.	
30	D. G. P.	5	6th	10	...	Broncho-pneumonia.	
31	M. S.	1	4th	2	...	Cardiac failure.	
32	K. G.	5	5th	6	...	Paralysis.	
33	W. P.	3	3rd	4	...	Anuria.	
34	F. N.	1	2nd	5	...	Paralysis.	
35	A. B.	1	12th	16	...	Broncho-pneumonia.	
36	W. S.	6	4th	2	...	Anuria.	
37	A. B.	1	7th	23	..	Meningitis.	
38	H. C.	9 m'ths	3rd	23	...	Broncho-pneumonia.	
39	F. F.	6	7th	6	...	Anuria.	
40	D. H.	1	4th	...	17	Broncho-pneumonia	Moribund on admission.
41	L. L.	6	4th	25	...	Septicæmia.	
42	C. H.	4	7th	9	...	Cardiac failure.	
43	E. W.	3	5th	59	...	Scarlet fever.	
44	A. T.	3	3rd	30	...	Extension of membrane to lungs.	

NORTH-WESTERN HOSPITAL—Continued.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
45	C. B.	4	9th	11	...	Anuria.	
46	T. W.	4	7th	48	...	Do.	
47	L. S.	2	5th	16	...	Do.	
48	F. C.	1	3rd	6	...	Septicæmia.	
49	P. T.	1	3rd	7	...	Anuria.	
50	E. R.	1	6th	7	...	Convulsions.	
51	C. M.	2	8th	8	...	Paralysis.	
52	T. B.	1	6th	10	...	Cardiac failure.	
53	J. R.	4	5th	7	...	Anuria.	
54	E. C.	4	4th	...	12	Toxæmia	Moribund on admission.
55	M. C.	1	3rd	10	...	Lobar pneumonia.	
56	F. A.	3	4th	6	...	Anuria.	
57	C. B.	1	2nd	4	...	Toxæmia.	
58	E. L.	5	4th	35	...	Measles.	
59	A. B.	4	5th	6	...	Cardiac failure.	
60	M. N.	4	4th	8	...	Anuria.	
61	E. N.	4	6th	2	...	Toxæmia	Moribund on admission.
62	F. S.	6	6th	9	...	Anuria.	
63	C. L.	1	4th	35	...	Scarlet fever.	
64	H. K.	1	5th	6	...	Do.	
65	A. J.	3	6th	16	...	Paralysis.	
66	F. L.	3	5th	...	39	Anuria	Moribund on admission.
67	D. J. B.	1	6th	2	...	Toxæmia	Do.
68	R. P.	10	11th	...	$\frac{1}{2}$	Do.	Do.
69	J. R.	2	4th	2	...	Do.	Do.
70	W. B.	6	3rd	8	...	Cardiac failure.	
71	C. G.	4	4th	...	3	Broncho-pneumonia.	
72	R. F.	7	9th	9	...	Cardiac failure.	
73	J. B.	2	3rd	4	...	Toxæmia.	
74	A. A.	3	5th	2	...	Broncho-pneumonia	Moribund on admission.
75	E. L.	6	11th	5	..	Cardiac failure.	
76	M. H.	4	3rd	6	...	Toxæmia.	
77	D. E.	3	7th	11	...	Anuria.	
78	M. S.	6	3rd	...	9	Toxæmia	Moribund on admission.
79	L. T.	1	7th	...	27	Anuria	Do.
80	A. P.	1	4th	4	...	Extension of membrane to lungs.	
81	F. B.	7	5th	2	...	Toxæmia	Moribund on admission.
82	E. S.	4	7th	6	...	Anuria.	
83	W. N.	2	4th	...	17	Toxæmia	Moribund on admission.

NORTH-WESTERN HOSPITAL.—Continued.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
84	A. B.	2	6th	4	...	Anuria.	
85	S. C.	2	7th	...	27	Toxæmia	Moribund on admission.
86	E. A.	7	5th	4	...	Anuria.	
87	M. L.	8	3rd	2	...	Toxæmia.	
88	W. T.	4	3rd	...	1	Do.	Moribund on admission.

WESTERN HOSPITAL.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	J. P.	4	12th	20	...	Scarlet fever.	
2	C. S.	3	8th	...	6	Cardiac failure ...	Moribund on admission; hemorrhagic diphtheria.
3	W. E.	13	17th	10	...	Paralysis.	
4	E. B.	8 m'ths	4th	...	3	Toxæmia	Moribund on admission.
5	H. H.	2	10th	...	24	Cardiac failure ..	Do. do.
6	E. D.	4	5th	...	2	Toxæmia	Do. do.
7	D. A.	4	2nd	7	...	Cardiac failure ...	A mild case on admission.
8	E. S.	1	14th	...	6	Do. ...	Moribund on admission.
9	A. T.	9	3rd	28	...	Peritonitis	A mild case on admission.
10	L. G.	13	12th	...	16	Cardiac failure ...	Moribund on admission.
11	E. C.	2	9th	...	18	Do. ...	Moribund on admission; hemorrhagic diphtheria.
12	G. S.	1	3rd	...	2	Do. ...	Do. do.
13	H. H.	15	10th	...	8	Do. ...	Do. do.

SOUTH-WESTERN HOSPITAL.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	H. C.	1	15th	...	5	Cardiac failure ...	Moribund on admission.
2	J. J.	3	9th	15	...	Thrombosis of right middle cerebral artery.	Mild case on admission.
3	F. R.	7	10th	5	...	Cardiac failure ...	Exudation had all disappeared before admission.

SOUTH-EASTERN HOSPITAL.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	A. H.	3	2nd	...	¼	Laryngeal diphtheria	Died while tracheotomy was being performed.
2	W. B.	3	14th	3	...	Cardiac failure ...	In a hopeless condition on admission.
3	L. K.	2	6th	..	8	Toxæmia	Moribund on admission.
4	E. F.	10	5th	94	...	Pericarditis	Had an attack of rheumatic fever late on in convalescence.
5	E. H.	5	4th	...	25	Toxæmia.	
6	E. C.	1	8th	...	6	Do.	Moribund on admission; hæmorrhagic diphtheria.
7	C. E.	13 days	5th	...	6	Do.	Moribund on admission.
8	L. C.	5	6th	...	27	Do.	Moribund on admission; hæmorrhagic diphtheria.
9	A. B.	10 m'ths	7th	63	...	Paralysis.	
10	A. W.	4	4th	...	1½	Toxæmia	Moribund on admission.
11	A. R.	5	7th	81	...	Cardiac Paralysis ...	Relapse on 47th day of disease.
12	R. C.	4	10th	2	...	Do.	Moribund on admission.

FOUNTAIN HOSPITAL.

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
1	H. B.	3	6th	...	26	Cardiac failure ...	Moribund on admission.
2	V. B.	3	1st	...	12	Do.	Moribund on admission; hæmorrhagic diphtheria.
3	M. B.	10 m'ths	6th	...	4	Do.	Moribund on admission.
4	E. K.	41	7th	...	14	Do.	Moribund on admission; no exudation on fauces on admission.
5	T. A.	6 weeks	2nd	56	...	Broncho-pneumonia	No exudation on fauces on admission.
6	N. M.	4	6th	2	...	Cardiac failure ...	Moribund on admission; hæmorrhagic diphtheria.
7	A. J.	5	3rd	...	4	Do.	Do. do.
8	D. D.	7 m'ths	6th	2	...	Do.	No exudation to be seen on admission.
9	D. L.	3	3rd	4	...	Do.	Do. do.
10	C. R.	4	12th	...	12	Do.	No exudation to be seen on admission; moribund on admission.
11	H. R.	3	7th	42	...	Do.	No exudation to be seen on admission.

FOUNTAIN HOSPITAL—*Continued.*

No.	Initials.	Age.	Day of Disease upon which Patient was admitted to Hospital.	Length of time in Hospital.		Cause of Death.	Remarks.
				Days.	Hours.		
12	A. D.	19	6th	...	2	Cardiac failure ...	No exudation to be seen on admission; moribund on admission.
13	C. D.	3	4th	11	...	Scarlet fever ...	No exudation to be seen on admission.
14	L. B.	1	8th	...	6	Cardiac failure ..	Moribund on admission.
15	J. T.	70	7th	21	...	Carcinoma of fauces.	
16	H. H.	9m'ths	5th	7	...	Broncho-pneumonia	No exudation to be seen on admission.
17	S. S.	3	4th	40	...	Respiratory paralysis	Do. do.
18	W. L.	4	3rd	21	...	Scarlet fever ...	Do. do.
19	M. T.	2	5th	12	...	Do. ...	Do. do.
20	J. H.	4	3rd	50	...	Do. ...	Do. do.
21	H. S.	6	3rd	5	...	Cardiac failure ...	Hopeless condition on admission.
22	A. S.	2	5th	...	24	Do. ...	Moribund on admission; hæmorrhagic diphtheria.
23	J. T.	5	7th	4	...	Do. ...	No exudation to be seen on admission.
24	H. P.	5	2nd	5	...	Do. ...	Do. do.
25	A. R.	6	2nd	26	...	Scarlet fever ...	Do. do.
26	J. K.	7	2nd	...	26	Toxæmia ...	Moribund on admission.

EASTERN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1 ...	1	0	3	1	0	0	1	0	1	1	6	2	33·3
1 to 2 ...	1	0	3	0	7	2	5	1	18	5	34	8	23·5
2 to 3 ...	3	1	5	0	7	4	4	0	27	7	46	12	26·0
3 to 4 ...	2	0	9	1	20	3	12	3	33	13	76	20	26·3
4 to 5 ...	2	0	9	2	13	2	20	7	28	7	72	18	25·0
5 to 10 ...	5	1	30	1	34	6	32	7	74	19	175	34	19·4
10 to 15 ...	2	0	5	0	8	0	8	2	22	2	45	4	8·8
15 to 20 ...	0	0	0	0	1	0	0	0	5	0	6	0	0·0
20 and upwards...	0	0	1	0	3	0	4	0	7	0	15	0	0·0
Total ...	16	2	65	5	93	17	86	20	215	54	475	98	20·6
Mortality per cent.	...	12·5	...	7·6	...	18·0	...	23·2	...	25·1	...	20·6	...

NORTH-WESTERN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	2	2	1	0	3	0	6	4	12	6	50.0
1 to 2	0	0	11	7	6	0	7	3	20	11	44	21	47.7
2 to 3	1	0	3	0	12	4	9	3	26	15	51	22	43.1
3 to 4	0	0	8	2	11	5	15	5	24	9	58	21	36.2
4 to 5	0	0	6	1	5	0	17	6	37	18	65	25	38.4
5 to 10	2	0	16	3	15	7	25	7	51	17	109	34	31.2
10 to 15	1	0	1	0	0	0	0	0	12	2	14	2	14.3
15 to 20	0	0	0	0	1	0	0	0	1	0	2	0	0.0
20 and upwards...	0	0	0	0	1	0	0	0	0	0	1	0	0.0
Total	4	0	47	15	52	16	76	24	177	76	356	131	36.7
Mortality per cent.	...	0.0	...	31.9	...	30.8	...	31.6	...	42.9	...	36.7	...

WESTERN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	1	0	0	0	2	1	2	0	6	4	11	5	45.45
1 to 2	0	0	8	5	10	5	11	7	9	5	38	22	57.89
2 to 3	2	1	13	6	13	3	17	7	23	9	68	26	38.23
3 to 4	2	0	10	1	19	3	12	3	30	14	73	21	28.76
4 to 5	0	0	11	1	16	7	17	9	36	10	80	27	33.75
5 to 10	6	0	21	1	35	8	43	4	86	26	191	39	20.41
10 to 15	1	0	2	0	7	1	7	3	17	3	34	7	20.58
15 to 20	0	0	1	0	5	1	2	0	5	1	13	2	15.38
20 and upwards	0	0	1	0	4	0	10	0	2	0	17	0	0.00
Total	12	1	67	14	111	29	121	33	214	72	525	149	28.38
Mortality } per cent. }	...	8.33	...	20.89	...	26.12	...	27.27	...	33.64	...	28.38	...

SOUTH-WESTERN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	0	0	2	1	0	0	6	2	8	3	37.5
1 to 2	0	0	3	0	3	1	2	1	7	4	15	6	40.0
2 to 3	0	0	3	0	8	1	4	2	11	3	26	6	23.0
3 to 4	2	0	8	0	1	0	6	1	8	5	25	6	24.0
4 to 5	1	0	5	0	9	3	7	1	17	4	39	8	20.5
5 to 10	7	0	27	2	32	5	31	12	66	21	163	40	24.5
10 to 15	0	0	7	0	5	0	16	3	14	2	42	5	11.9
15 to 20	0	0	0	0	0	0	2	0	2	1	4	1	25.0
20 and upwards... ..	0	0	2	0	0	0	1	0	5	1	8	1	12.5
Total	10	0	55	2	60	11	69	20	136	43	330	76	23.0
Mortality per cent.	...	0.0	...	3.6	...	18.3	...	28.9	...	31.6	...	23.0	...

SOUTH-EASTERN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	4	2	8	1	3	2	8	4	23	9	39.1
1 to 2	1	0	3	2	8	5	2	1	13	2	27	10	37.0
2 to 3	1	0	6	2	9	3	10	7	22	8	48	20	41.7
3 to 4	1	0	12	2	14	2	9	3	32	12	68	19	27.9
4 to 5	1	0	14	0	20	2	9	2	34	8	78	12	15.4
5 to 10	3	0	33	4	36	3	46	8	74	20	192	35	18.2
10 to 15	3	0	6	0	11	1	7	0	24	7	51	8	15.7
15 to 20	0	0	1	0	1	0	1	1	5	2	8	3	37.5
20 and upwards... ..	0	0	1	0	3	0	0	0	4	1	8	1	12.5
Total	10	0	80	12	110	17	87	24	216	64	503	117	23.3
Mortality per cent.	...	0.0	...	15.0	...	15.4	...	27.6	...	29.6	...	23.3	...

N.B.—Three cases (aged respectively 1, 10, 11) injected for the first time on the first day of a relapse are tabulated in column 1.

FOUNTAIN HOSPITAL.

Cases treated with Antitoxin, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	1	1	0	0	1	0	1	1	3	2	66.6
1 to 2	0	0	7	2	7	3	10	8	8	3	32	16	50.0
2 to 3	0	0	9	0	11	3	12	1	21	8	53	12	22.6
3 to 4	0	0	14	2	18	7	20	5	28	15	80	29	36.2
4 to 5	1	0	16	2	14	3	18	5	38	10	87	20	22.9
5 to 10	4	0	30	5	60	15	55	17	77	19	226	56	24.7
10 to 15	0	0	12	1	16	1	15	4	24	4	67	10	14.9
15 to 20	0	0	1	0	0	0	1	0	3	0	5	0	0.0
20 and upwards	0	0	2	0	5	0	8	0	7	1	22	1	4.5
Total	5	0	92	13	131	32	140	40	207	61	575	146	25.3
Mortality per cent.	...	0.0	...	14.1	...	24.4	...	28.5	...	29.4	...	25.3	...

EASTERN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	1	0	3	1	0	0	1	0	2	1	7	2	28.5
1 to 2	1	0	3	0	7	2	6	2	20	7	37	11	29.7
2 to 3	3	1	6	0	9	5	5	0	32	8	55	14	25.4
3 to 4	3	0	9	1	22	3	16	3	39	14	89	21	23.5
4 to 5	2	0	10	2	14	2	22	7	32	7	80	18	22.5
5 to 10	10	1	32	1	45	6	41	7	105	24	233	39	16.7
10 to 15	5	0	8	0	14	0	14	2	43	3	84	5	5.9
15 to 20	0	0	0	0	1	0	1	0	9	0	11	0	0.0
20 and upwards... ..	0	0	3	0	11	0	6	0	17	0	37	0	0.0
Total	25	2	74	5	123	18	112	21	299	64	633	110	17.3
Mortality per cent.	...	8.0	...	6.7	...	14.6	...	18.7	...	21.4	...	17.3	...

75 per cent. of the cases treated with antitoxin.

NORTH-WESTERN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	2	2	3	1	4	1	9	5	18	9	50.0
1 to 2	0	0	15	9	9	3	15	9	35	18	74	39	52.7
2 to 3	1	0	13	0	24	7	13	7	52	22	103	36	35.2
3 to 4	0	0	14	3	26	10	24	8	56	16	120	37	30.8
4 to 5	0	0	13	2	19	1	30	6	77	30	139	39	28.0
5 to 10	3	0	27	4	39	9	41	11	127	29	237	53	22.4
10 to 15	1	0	9	1	10	1	16	0	38	4	74	6	8.1
15 to 20	0	0	0	0	4	0	6	0	4	0	14	0	0.0
20 and upwards... ..	0	0	1	0	5	0	4	0	13	0	23	0	0.0
Total	5	0	94	21	139	32	153	42	411	124	802	219	27.3
Mortality per cent.	...	0.0	...	22.3	...	23.0	...	27.4	...	30.2	...	27.3	...

44.3 per cent. of the cases treated with antitoxin.

WESTERN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	1	0	0	0	2	1	3	1	6	4	12	6	50.00
1 to 2	0	0	8	5	12	6	13	7	10	6	43	24	55.81
2 to 3	2	1	13	6	13	3	17	7	32	11	77	28	36.36
3 to 4	2	0	12	1	19	3	14	3	37	15	84	22	26.19
4 to 5	1	0	13	2	23	7	20	9	46	12	103	30	29.12
5 to 10	6	0	34	1	40	9	51	4	118	26	249	40	16.06
10 to 15	1	0	7	0	13	1	16	3	36	5	73	9	12.32
15 to 20	0	0	1	0	11	1	5	0	14	2	31	3	9.67
20 and upwards	1	0	8	0	19	0	19	0	24	0	71	0	0.00
Total	14	1	96	15	152	31	158	34	323	81	743	162	21.80
Mortality } per cent. }	...	7.14	...	15.62	...	20.39	...	21.51	...	25.07	...	21.80	...

70.6 per cent. of the cases treated with antitoxin.

SOUTH-WESTERN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	1	0	0	0	2	1	1	0	6	2	10	3	30.0
1 to 2	0	0	3	0	3	1	2	1	11	5	19	7	36.8
2 to 3	0	0	5	0	9	1	4	2	11	3	29	6	20.6
3 to 4	2	0	9	0	1	0	8	1	13	6	33	7	21.2
4 to 5	2	0	5	0	9	3	8	1	23	4	47	8	17.0
5 to 10	8	0	39	2	44	5	43	12	89	22	223	41	18.3
10 to 15	1	0	10	0	11	0	22	3	25	2	69	5	7.2
15 to 20	0	0	2	0	3	0	6	0	7	1	18	1	5.5
20 and upwards... ..	0	0	3	0	6	0	9	0	18	1	36	1	2.7
Total	14	0	76	2	88	11	103	20	203	46	484	79	16.3
Mortality per cent.	...	0.0	...	2.6	...	12.5	...	19.4	...	22.6	...	16.3	...

68.1 per cent. of the cases treated with antitoxin.

SOUTH-EASTERN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	0	0	4	2	8	1	3	2	11	6	26	11	42.3
1 to 2	1	0	3	2	8	5	2	1	15	3	29	11	37.9
2 to 3	1	0	6	2	9	3	11	7	32	9	59	21	35.6
3 to 4	2	0	13	3	14	2	12	3	36	13	77	21	27.3
4 to 5	1	0	15	0	23	2	10	3	40	9	89	14	15.7
5 to 10	3	0	36	4	38	3	51	9	103	22	231	38	16.4
10 to 15	3	0	11	0	12	1	9	0	36	8	71	9	12.7
15 to 20	0	0	2	0	7	0	2	1	14	2	25	3	12.0
20 and upwards... ..	0	0	3	0	12	0	4	0	12	1	31	1	3.2
Total	11	0	93	13	131	17	104	26	299	73	638	129	20.2
Mortality per cent.	...	0.0	...	13.9	...	13.0	...	25.0	...	24.4	...	20.2	...

78.8 per cent. of the cases treated with serum.

FOUNTAIN HOSPITAL.

All cases, both those treated with Antitoxin and those not, 1896.

DAY OF DISEASE.	1st.		2nd.		3rd.		4th.		5th & after.		TOTAL.		Mortality per cent.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Under 1	2	1	2	2	1	1	1	0	2	2	8	6	75.0
1 to 2	0	0	8	2	8	3	10	8	12	4	38	17	44.7
2 to 3	1	0	11	1	12	3	15	1	26	9	65	14	21.5
3 to 4	1	0	17	4	23	8	24	5	40	18	105	35	33.3
4 to 5	3	0	18	2	19	5	24	5	47	12	111	24	21.6
5 to 10	7	0	48	5	81	15	71	18	128	24	335	62	18.5
10 to 15	0	0	22	1	23	1	19	4	58	4	122	10	8.1
15 to 20	1	0	4	0	2	0	13	1	15	0	35	1	2.8
20 and upwards... ..	0	0	4	0	21	1	15	0	16	2	56	3	5.3
Total	15	1	134	17	190	37	192	42	344	75	875	172	19.7
Mortality per cent.	...	6.6	...	12.6	...	19.4	...	21.8	...	21.8	...	19.7	...

65.7 per cent. of the cases treated with serum.

EASTERN HOSPITAL.				NORTH-WESTERN HOSPITAL.			
<i>Tracheotomy cases treated with Antitoxin, 1896.</i>				<i>Tracheotomy cases treated with Antitoxin, 1896.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0.0	Under 1	1	1	100.0
1 to 2	5	1	20.0	1 to 2	2	2	100.0
2 to 3	4	2	50.0	2 to 3	6	3	50.0
3 to 4	9	3	33.3	3 to 4	4	3	75.0
4 to 5	4	3	75.0	4 to 5	2	0	0.0
5 to 10	11	1	9.0	5 to 10	4	2	50.0
10 to 15	0	0	0.0	10 to 15	1	1	100.0
15 and upwards ...	0	0	0.0	15 and upwards ...	0	0	0.0
Total	33	10	30.3	Total	20	12	60.0

WESTERN HOSPITAL.
Tracheotomy Cases treated with Antitoxin, 1896.

AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	1	1	100·00
1 to 2	8	7	87·50
2 to 3	10	5	50·00
3 to 4	3	1	33·33
4 to 5	4	3	75·00
5 to 10	12	7	58·33
10 to 15	0	0	0·0
15 and upwards ...	0	0	0·0
Total	38	24	63·15

FOUNTAIN HOSPITAL.
Tracheotomy Cases treated with Antitoxin, 1896.

AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0·0
1 to 2	3	1	33·3
2 to 3	3	1	33·3
3 to 4	3	1	33·3
4 to 5	8	2	25·0
5 to 10	7	2	28·5
10 to 15	0	0	0·0
15 and upwards ...	0	0	0·0
Total	24	7	29·1

SOUTH-WESTERN HOSPITAL.
Tracheotomy cases treated with Antitoxin, 1896.

AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0·0
1 to 2	4	3	75·0
2 to 3	4	1	25·0
3 to 4	1	1	100·0
4 to 5	5	2	40·0
5 to 10	10	2	20·0
10 to 15	0	0	0·0
15 and upwards ...	0	0	0·0
Total	24	9	37·5

EASTERN HOSPITAL.
All Tracheotomies.

AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0·0
1 to 2	5	1	20·0
2 to 3	4	2	50·0
3 to 4	9	3	33·0
4 to 5	4	3	75·0
5 to 10	11	1	9·0
10 to 15	0	0	0·0
15 and upwards ...	0	0	0·0
Total	33	10	30·3

SOUTH-EASTERN HOSPITAL.
Tracheotomy cases treated with Antitoxin, 1896.

AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0·0
1 to 2	6	5	83·3
2 to 3	10	5	50·0
3 to 4	14	2	14·3
4 to 5	13	1	7·7
5 to 10	12	3	25·0
10 to 15	3	2	66·7
15 and upwards ...	0	0	0·0
Total	58	18	31·0

NORTH-WESTERN HOSPITAL.
All Tracheotomies.

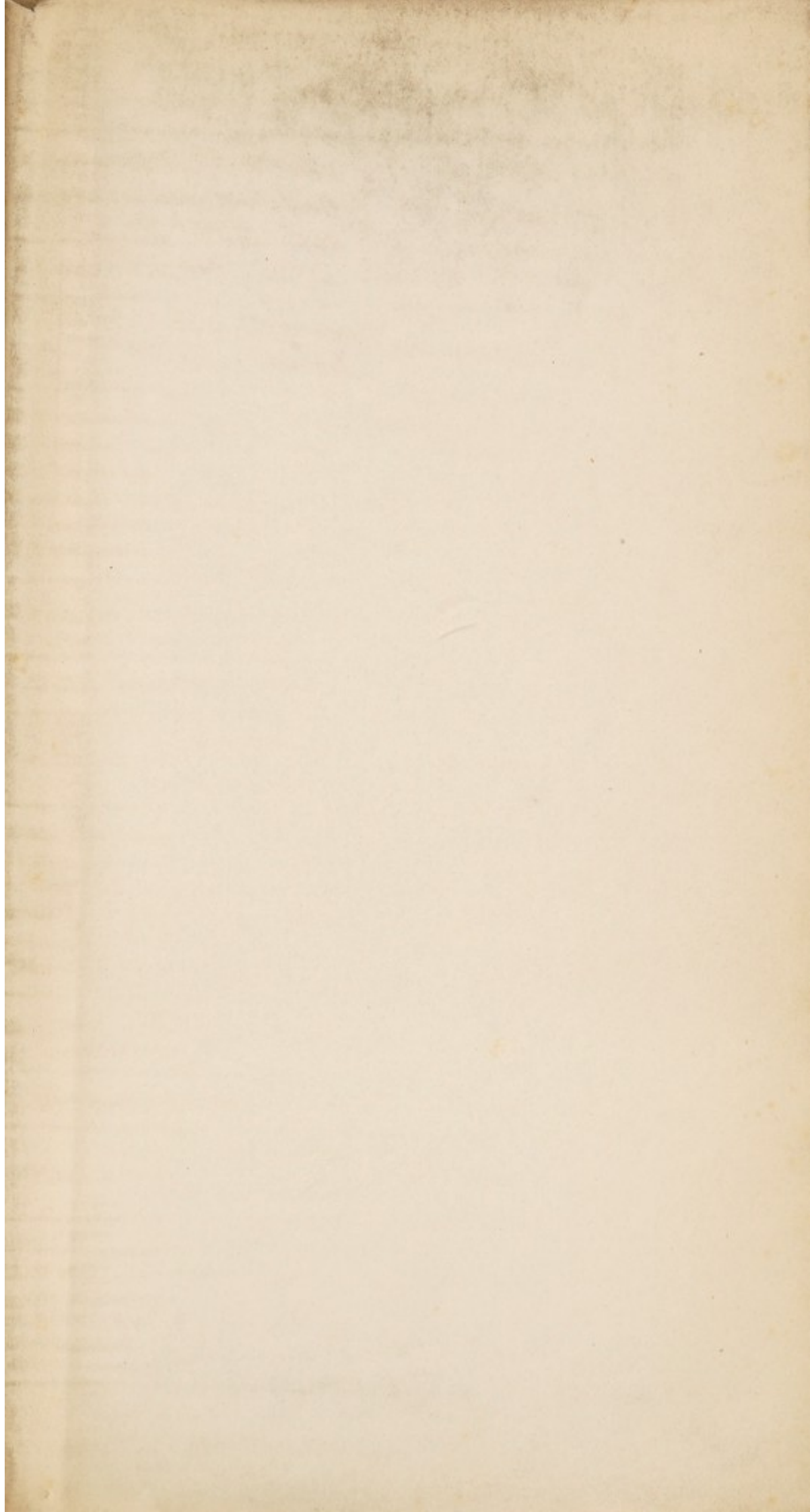
AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	1	1	100·0
1 to 2	6	4	66·6
2 to 3	11	4	36·3
3 to 4	9	6	66·6
4 to 5	2	0	0·0
5 to 10	4	2	50·0
10 to 15	1	1	100·0
15 and upwards ...	0	0	0·0
Total	34	18	52·9

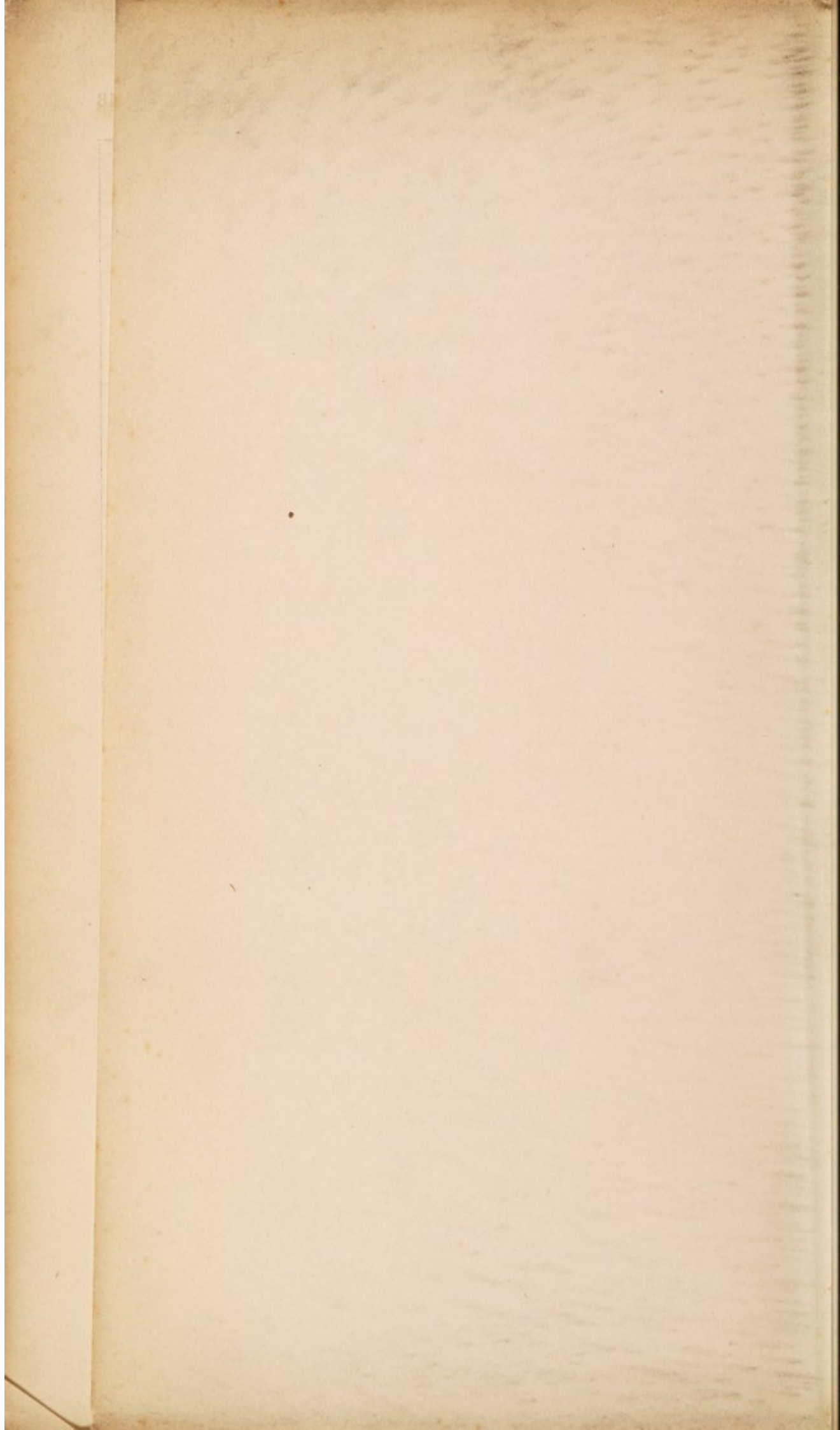
WESTERN HOSPITAL.				SOUTH-EASTERN HOSPITAL.			
<i>All Tracheotomies.</i>				<i>All Tracheotomies.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	1	1	100·0	Under 1	0	0	0·0
1 to 2	8	7	87·50	1 to 2	6	5	83·3
2 to 3	10	5	50·0	2 to 3	10	5	50·0
3 to 4	3	1	33·33	3 to 4	15	3	20·0
4 to 5	4	3	75·0	4 to 5	13	1	7·7
5 to 10	12	7	58·33	5 to 10	12	3	25·0
10 to 15	0	0	0·0	10 to 15	3	2	66·7
15 and upwards ...	0	0	0·0	15 and upwards ...	0	0	0·0
Total	38	24	63·15	Total	59	19	32·2
SOUTH-WESTERN HOSPITAL.				FOUNTAIN HOSPITAL.			
<i>All Tracheotomies.</i>				<i>All Tracheotomies.</i>			
AGES.	Cases.	Deaths.	Mortality per cent.	AGES.	Cases.	Deaths.	Mortality per cent.
Under 1	0	0	0·0	Under 1	0	0	0·0
1 to 2	4	3	75·0	1 to 2	3	1	33·3
2 to 3	4	1	25·0	2 to 3	3	1	33·3
3 to 4	1	1	100·0	3 to 4	3	1	33·3
4 to 5	5	2	40·0	4 to 5	8	2	25·0
5 to 10	10	2	20·0	5 to 10	7	2	28·5
10 to 15	0	0	0·0	10 to 15	0	0	0·0
15 and upwards ...	0	0	0·0	15 and upwards ...	0	0	0·0
Total	24	9	37·5	Total	24	7	29·1

EASTERN HOSPITAL.			NORTH-WESTERN HOSPITAL.		
<i>Complications. Cases treated with Antitoxin, 1896.</i>			<i>Complications. Cases treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 475.			Number of cases of Diphtheria, 356.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	312	65.6	Albuminuria	161	45.2
Nephritis	2	0.4	Nephritis	0	0.0
Paralysis (various)...	119	25.0	Paralysis (various)...	47	13.2
Pneumonia, lobar ...	3	0.6	Pneumonia, lobar ...	0	0.0
Do. lobular	24	5.0	Do. lobular	11	3.1
Relapse of Disease ..	3	0.6	Relapse of Disease .	2	0.6
<i>Complications. Cases not treated with Antitoxin, 1896.</i>			<i>Complications. Cases not treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 158.			Number of cases of Diphtheria, 446.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	51	32.2	Albuminuria	190	42.5
Nephritis	0	0.0	Nephritis	2	0.4
Paralysis (various) ...	17	10.7	Paralysis (various) ...	66	14.7
Pneumonia, lobar ...	0	0.0	Pneumonia, lobar ...	2	0.4
Do. lobular	1	0.6	Do. lobular	10	2.2
Relapse of Disease ...	3	18.9	Relapse of Disease ...	1	0.2
<i>Complications probably connected with Antitoxin, 1896.</i>			<i>Complications probably connected with Antitoxin, 1896.</i>		
Number of cases treated, 475.			Number of cases treated, 356.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Rash	170	35.7	Rash	53	14.9
Joint Pains	29	6.1	Joint Pains	1	0.3
Pyrexia, with or without rash or pains ...	} 116	24.4	Pyrexia, with or without rash or pains...	} 28	7.9
Abscess at site of injection	} 2	0.4	Abscess at site of injection	} 1	0.3

WESTERN HOSPITAL. <i>Complications. Cases treated with Antitoxin, 1896.</i>			SOUTH-WESTERN HOSPITAL. <i>Complications. Cases treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 525.			Number of cases of Diphtheria, 330.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	217	41·05	Albuminuria	193	58·5
Nephritis	6	1·10	Nephritis	0	0·0
Paralysis (various) .	135	25·90	Paralysis (various)...	86	26·0
Pneumonia, lobar ...	5	9·94	Pneumonia, lobar ...	1	0·3
Do. lobular	17	3·20	Do. lobular	4	1·2
Relapse of Disease...	9	1·70	Relapse of Disease...	3	0·9
<i>Complications. Cases not treated with Antitoxin, 1896.</i>			72 per cent. of the albuminurias were admitted with it. <i>Complications. Cases not treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 218.			Number of cases of Diphtheria, 154.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	75	29·60	Albuminuria	48	31·1
Nephritis	1	0·45	Nephritis	0	0·0
Paralysis (various) ..	25	9·86	Paralysis (various)...	14	9·0
Pneumonia, lobar ...	0	0·00	Pneumonia, lobar ...	1	0·6
Do. lobular	1	0·45	Do. lobular	0	0·0
Relapse of Disease...	1	0·45	Relapse of Disease...	5	3·2
<i>Complications. Probably connected with Antitoxin, 1896.</i>			<i>Complications. Probably connected with Antitoxin, 1896.</i>		
Number of cases treated, 525.			Number of cases treated, 330.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Rash	196	37·05	Rash	107	32·4
Joint Pains	38	7·30	Joint Pains	21	6·3
Pyrexia, with or without rash or pains ...	} 106	20·03	Pyrexia, with or without rash or pains ..	} 79	23·9
Abscess at site of injection	} 14	2·60	Abscess at site of injection	} 6	1·8

SOUTH-EASTERN HOSPITAL.			FOUNTAIN HOSPITAL.		
<i>Complications. Cases treated with Antitoxin, 1896.</i>			<i>Complications. Cases treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 503.			Number of cases of Diphtheria, 575.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	339	67.4	Albuminuria	441	76.60
Nephritis	2	0.4	Nephritis	6	1.04
Paralysis (various).	241	47.9	Paralysis (various) ..	85	14.80
Pneumonia, lobar ...	8	1.6	Pneumonia, lobar ...	2	0.30
Do. lobular	10	2.0	Do. lobular	20	3.40
Relapse of Disease...	23	4.5	Relapse of Disease ...	12	2.07
<i>Complications. Cases not treated with Antitoxin, 1896.</i>			<i>Complications. Cases not treated with Antitoxin, 1896.</i>		
Number of cases of Diphtheria, 135.			Number of cases of Diphtheria, 300.		
Complications.	Number of Cases.	Percentage of Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Albuminuria	82	60.7	Albuminuria	121	40.3
Nephritis	0	0.0	Nephritis	5	1.6
Paralysis (various)...	29	21.5	Paralysis (various)...	27	9.0
Pneumonia, lobar ...	1	0.7	Pneumonia, lobar ...	1	0.3
Do. lobular	1	0.7	Do. lobular	8	2.6
Relapse of Disease...	3	2.2	Relapse of Disease ..	2	0.6
<i>Complications probably connected with Antitoxin, 1896.</i>			<i>Complications. Probably connected with Antitoxin, 1896.</i>		
Number of cases treated, 503.			Number of cases treated, 575.		
Complications.	Number of Cases.	Percentage on Total Cases.	Complications.	Number of Cases.	Percentage on Total Cases.
Rash	199	39.6	Rash	249	43.30
Joint Pains	46	9.1	Joint Pains	45	7.80
Pyrexia, with or without rash or pains...	} 75	14.9	Pyrexia, with or without rash or pains...	} 145	25.20
Abscess at site of injection	} 6	1.2	Abscess at site of injection	} 6	1.04



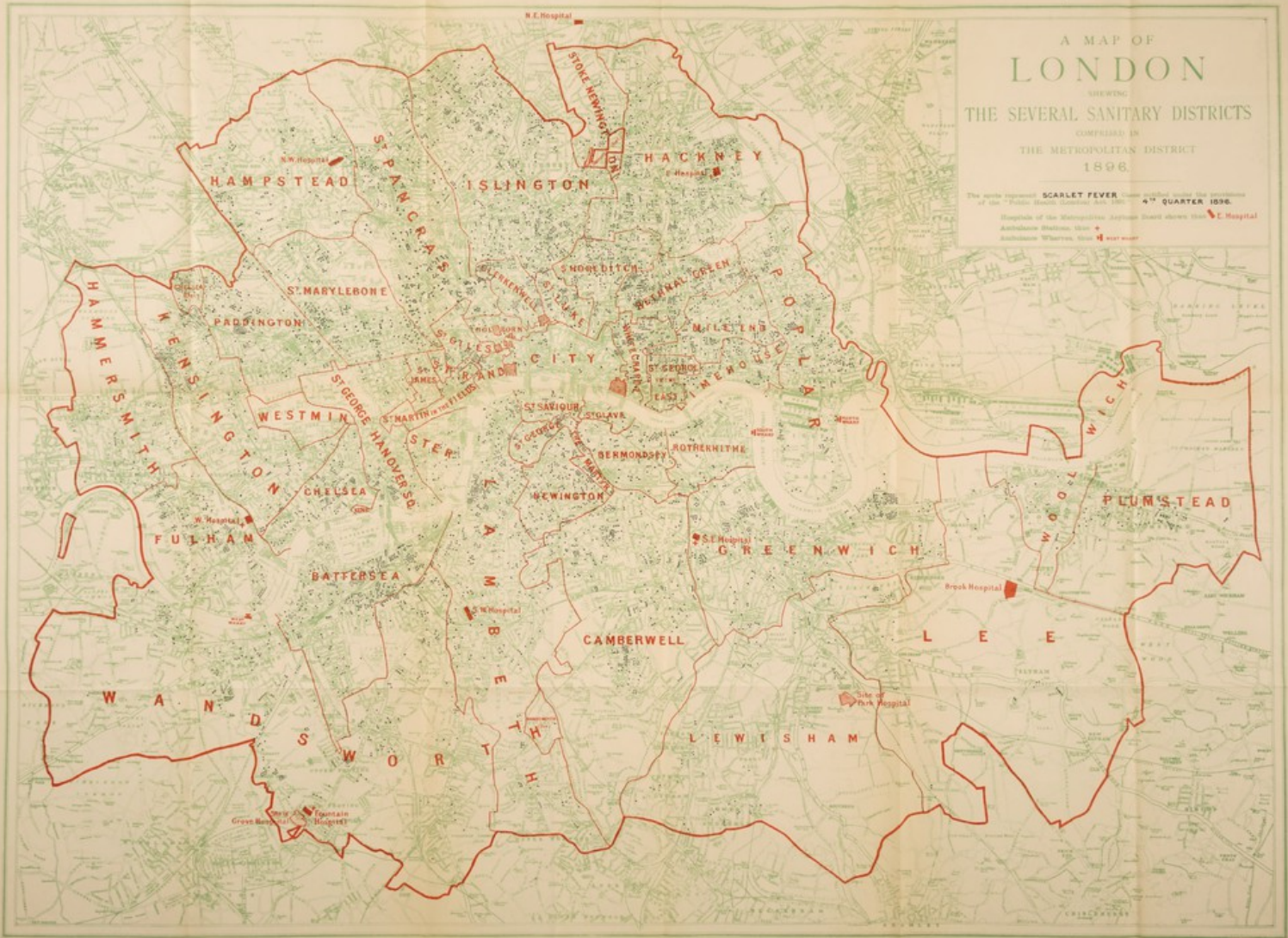




A MAP OF
LONDON
SHOWING
THE SEVERAL SANITARY DISTRICTS
COMPILED BY
THE METROPOLITAN DISTRICT
1896.

The red squares represent SCARLET FEVER cases notified under the provisions of the Public Health Act, 1875, in the 1st QUARTER 1896.

Hospitals of the Metropolitan Sanitary Board shown on 1st QUARTER 1896:
Ambulance Station, Fire, and Ambulance Warehouse, also E. Hospital



A MAP OF
LONDON
SHOWING
THE SEVERAL SANITARY DISTRICTS
COMPRISED IN
THE METROPOLITAN DISTRICT
1896.

The stars represent **SMALLPOX** Cases notified under the provisions of the Public Health Act, 1875.
• THE CROSSES REPRESENT TYPHUS FEVER CASES.
Hospitals of the Metropolitan Asylums Board shown thus **H. Hospital**
Autoclave Stations, thus **A**
Ambulance Wharves, thus **M**





