

[Report of the Medical Officer of Health for St. Pancras, Metropolitan Borough].

Contributors

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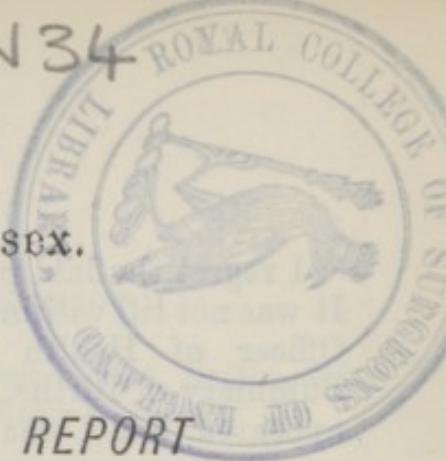
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St. Pancras, Middlesex.

TWENTY-SECOND ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH,
Being the Report for the Year 1877.

TO THE VESTRYMEN OF ST. PANCRAS.

GENTLEMEN,

During the year 1877 (52 weeks), 8,126 births were registered in St. Pancras, and 5,101 deaths. After making the proper allowances for the deaths of non-parishioners in public institutions situated in this Parish, and for deaths of parishioners in hospitals outside St. Pancras, the corrected number of deaths is 4,927. I estimate the population in the middle of the year 1877 as 236,000. This calculation is based on the assumption that the increase of the decade 1861-71, has been maintained since 1871. Probably, however, that rate of increase has not been sustained, and the above estimate of population is doubtless rather too high.

The births in 1877 were fewer by 191 than in 1876.

The deaths were also fewer by 92 than in the year 1876.

The annual rate of mortality in 1877 was 20·88 per 1000 persons living; and that of the preceding ten years, 1867—1876, was 22·92. The death-rate of 1877 was hence 2·04 per 1000 below the average of the preceding 10 years; and was 0·62 per 1000 below that of 1876.

The accompanying tables, drawn up in the manner recommended by the Society of Medical Officers of Health, show clearly the mode in which the mortality from various diseases, and classes of disease, has affected the population of St. Pancras, and affords useful information respecting the distribution of disease in St. Pancras and in the Metropolis generally.

I regret the late period at which this Report is presented. It was not till within two days of my ceasing to be your Medical Officer of Health that the Registrar General's Annual Summary of Births, Death, and Causes of Death in London appeared, and I was enabled to draw up this Report.

SMALL POX.

The following table exhibits the number of cases of Small Pox reported month by month in St. Pancras :—

January	...	...	...	81
February	...	...	...	85
March	...	...	...	90
April	...	...	...	54
May	...	...	...	87
June	...	...	...	54
July	...	...	...	27
August	...	...	...	11
September	...	...	...	11
October	...	...	...	12
November	...	...	...	5
December	...	...	...	9

The great falling off in the number of new cases in the autumn months led to the closing of the Vestry's Temporary Hospital, there being at that time adequate accommodation procurable at the Highgate Small Pox Hospital on payment of a fee.

Small Pox caused 2,546 deaths in the Metropolis, 129 of which are credited to St. Pancras.

The usual vaccination table and other tables appended.

I have the honour to be,

Gentlemen,

Your obedient Servant

THOMAS STEVENSON,

Medical Officer of Health.

Sanitary Department,

Vestry Hall, Pancras Road, N.W.

July 18th, 1878.

TABLE I.
ST. PANCRAS SANITARY DISTRICT.

Table showing the Population, Inhabited Houses, Births, Deaths, and Marriages, for the year 1877 and 3 Years preceding.

GROSS NUMBERS.

Population estimated at the middle of the Year *	No. of Inhabited Houses in Parish or District. (Estimated)	Births.	Deaths.**
1877 236,000	25,580	8,126	4,927
1876 234,000	25,360	8,317	5,019
1875 231,000	25,140	8,000	5,401
1874 229,000	24,920	8,010	4,982
1873 227,000	24,700	8,095	5,392
Average of 4 Years } 1873-1876 }	25,140	8,141	5,199

NOTES.

1. Population at Census 1871, 221,465.
2. Area in acres, 2,672.
3. Average No. of Persons in each house at Census 1871, 9.2.

* For statistical purposes the Registrar-General estimates the population to the middle of the year on the basis of the rate of increase ruling between the two preceding Census periods. The estimate of population may be checked by the known number of inhabited houses, and by the average number of inmates per house, as ascertained at the preceding Census.

** The deaths of non-parishioners in public institutions within the parish are deducted, but a proportion of the deaths occurring in General Hospitals, relative to the population of the parish is added to the total number of deaths in this column.

TABLE II.

ST. PANCRAS SANITARY DISTRICT.

Table showing the Annual Birth-Rate, Rate of Mortality, Death Rates among Children, and Deaths in Public Institutions, for the Year 1877 and 10 Years preceding.

	Birth Rate per 1000 of the Population.	Annual Rate of Mortality, per 1000 living.	Deaths of Children under 1 year : per centage of total Deaths.	Per cent- age of Deaths of Children under 1 year to Registered Births.	Deaths of Children under 5 years : per centage of total Deaths.	Total Num- ber of Deaths in Public Institutions
1877.....	34.4	20.88	23.0	14.5	43.3	1,159
1876.....	35.7	21.54	24.8	15.5	37.9	1,119
1875....	34.5	23.38	23.4	15.8	39.7	1,091
1874.....	35.0	21.75	24.4	15.5	37.4	1,013
1873.....	35.1	22.32				
1872.....	35.1	21.28				
1871.....	33.8	25.19				
1860.....	34.6	24.14				
1869.....	33.7	22.81				
1868.....	35.2	22.50				
1867.....	34.1	24.25				
Average of 10 years 1867 to 1876.	34.7	22.92				

SAINT PANCRAZ SANITARY DISTRICT.

Deaths Registered at several groups of Ages from different causes during the Year 1877.

NOTE.—The Deaths in Public Institutions except the Workhouse are excluded.

CAUSE OF DEATH.	AGES.												Total
	0 to 1	1 to 2	2 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 upwards	
CLASSES.													
I. Zymotic Diseases.....	238	180	159	24	37	82	180	24	20	14	9	—	607
II. Constitutional Diseases.....	123	87	24	30	68	145	132	37	65	82	—	—	504
III. Local Diseases.....	408	195	148	68	65	101	849	228	291	887	158	20	2204
IV. Developmental Diseases.....	278	43	10	5	3	16	4	4	6	77	148	49	528
V. Violent Deaths.....	44	4	4	5	5	4	0	0	10	8	—	—	101
Not specified or ill defined.....	0	0	0	0	0	0	—	—	—	—	—	—	0
Totals.....	1169	420	352	159	174	297	821	580	398	485	291	71	4800
CLASS I.—ZYMOTIC DISEASES.													
Order 1.—Measles.													
1 Measles.....	21	42	44	2	16	7	5	3	6	2	1	—	117
2 Scarlet Fever (Scarlatina).....	2	15	34	21	—	5	1	—	—	—	—	—	72
3 Diphtheria.....	2	8	6	1	—	—	—	—	—	—	—	—	17
4 Whooping Cough.....	42	37	34	2	—	—	—	—	—	—	—	—	115
5 Typhoid Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—
6 Enteric or Typhoid F. (Simple Continued F.).....	—	—	—	—	—	—	—	—	—	—	—	—	—
7 Erysipelas.....	14	—	—	—	—	—	—	—	—	—	—	—	14
8 Puerperal Fever (Metria).....	—	—	—	—	—	—	—	—	—	—	—	—	—
9 Carbuncle.....	—	—	—	—	—	—	—	—	—	—	—	—	—
10 Infusoria.....	—	—	—	—	—	—	—	—	—	—	—	—	—
11 Dracunculus.....	—	—	—	—	—	—	—	—	—	—	—	—	—
12 Diarrhoea.....	26	13	1	2	2	—	—	—	—	—	—	—	44
13 Cholera.....	—	—	—	—	—	—	—	—	—	—	—	—	—
14 Ague.....	—	—	—	—	—	—	—	—	—	—	—	—	—
15 Remittent Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—
16 Rheumatism.....	—	—	—	—	—	—	—	—	—	—	—	—	—
17 Other Zymotic Diseases.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Order 2.—Erdthetia.													
1 Syphilis.....	23	8	—	—	—	—	—	—	—	—	—	—	31
2 Stricture of Urethra.....	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Hydrophobia.....	—	—	—	—	—	—	—	—	—	—	—	—	—
4 Glanders.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Order 3.—Dietic.													
1 Privation.....	—	—	—	—	—	—	—	—	—	—	—	—	—
2 Want of Breast Milk.....	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Purpura and Scurvy.....	—	—	—	—	—	—	—	—	—	—	—	—	—
4 Alcoholism (or Intemperance).....	—	—	—	—	—	—	—	—	—	—	—	—	—
Order 4.—Parasitic.													
1 Thrush.....	11	—	—	—	—	—	—	—	—	—	—	—	11
2 Worms, &c.....	—	—	—	—	—	—	—	—	—	—	—	—	—
CLASS II.—CONSTITUTIONAL DISEASES.													
Order 1.—Diathetic.													
1 Gout.....	—	—	—	—	—	—	—	—	—	—	—	—	—
2 Dropsy.....	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Cancer.....	—	—	—	—	—	—	—	—	—	—	—	—	—
4 Cancerous Oils (Noma).....	—	—	—	—	—	—	—	—	—	—	—	—	—
5 Mortification.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Order 2.—Tubercular.													
1 Scrophula.....	62	15	5	1	2	—	—	—	—	—	—	—	85
2 Tubercular Meningitis.....	46	16	14	1	—	—	—	—	—	—	—	—	81
3 Phthisis.....	10	10	10	15	63	141	120	—	—	—	—	—	299
4 Hydrocephalus.....	31	14	21	13	—	—	—	—	—	—	—	—	89
CLASS III.—LOCAL DISEASES.													
Order 1.—Nervous System.													
1 Cephalitis.....	—	—	—	—	—	—	—	—	—	—	—	—	—
2 Apoplexy.....	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Paralysis.....	—	—	—	—	—	—	—	—	—	—	—	—	—
4 Insanity.....	—	—	—	—	—	—	—	—	—	—	—	—	—
5 Chorea.....	—	—	—	—	—	—	—	—	—	—	—	—	—
6 Epilepsy.....	—	—	—	—	—	—	—	—	—	—	—	—	—
7 Convulsions.....	—	—	—	—	—	—	—	—	—	—	—	—	—
8 Brain Diseases, &c.....	22	17	24	9	9	11	12	11	8	27	6	1	167

CAUSE OF DEATH.		AGES.												Total under 5 years	Total																																																																																				
		0 to 1	1 to 2	2 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 to 95																																																																																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	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
LOCAL DISEASES continued.																																																																																																			
Order 2.—Organs of Circulation.																																																																																																			
Pericarditis																																																																																																			
Aneurism																																																																																																			
Heart Disease, &c.																																																																																																			
Order 3.—Respiratory Organs.																																																																																																			
Laryngitis																																																																																																			
Bronchitis																																																																																																			
Pleurisy																																																																																																			
Pneumonia																																																																																																			
Asthma																																																																																																			
Lung Disease, &c.																																																																																																			
Order 4.—Digestive Organs.																																																																																																			
Gastritis																																																																																																			
Enteritis																																																																																																			
Peritonitis																																																																																																			
Acidity																																																																																																			
Ulceration of Intestines																																																																																																			
Hernia																																																																																																			
Dropsy																																																																																																			
Intussusception																																																																																																			
Stricture of Intestines																																																																																																			
Prolapsus																																																																																																			
Stomach Disease, &c.																																																																																																			
Pancreas Disease, &c.																																																																																																			
Hepatitis																																																																																																			
Jaundice																																																																																																			
Liver Disease, &c.																																																																																																			
Spleen Disease, &c.																																																																																																			
Order 5.—Urinary Organs.																																																																																																			
Nephritis																																																																																																			
Ischuria																																																																																																			
Bright's Disease (Nephria)																																																																																																			
Diabetes																																																																																																			
Calculus (Stone)																																																																																																			
Cystitis																																																																																																			
Kidney Disease, &c.																																																																																																			
Order 6.—Organs of Generation.																																																																																																			
Ovarian Dropsy																																																																																																			
Uterine Disease, &c.																																																																																																			
Order 7.—Organs of Locomotion.																																																																																																			
Synovitis (Arthritis)																																																																																																			
Joint Disease, &c.																																																																																																			
Order 8.—Integumentary System.																																																																																																			
Phlegmon																																																																																																			
Ulcer																																																																																																			
Skin Disease, &c.																																																																																																			
CLASS IV.—DEVELOPMENTAL DISEASES.																																																																																																			
Order 1.—Diseases of Children.																																																																																																			
Premature Birth																																																																																																			
Cyanosis																																																																																																			
Scars																																																																																																			
Other Malformations																																																																																																			
Teething																																																																																																			
Order 2.—Adults.																																																																																																			
Tetanus																																																																																																			
Childbirth (see Puerperal Fever)																																																																																																			
Order 3.—Old People.																																																																																																			
Old Age																																																																																																			
Order 4.—Nutrition.																																																																																																			
Atrophy and Debility																																																																																																			
CLASS 4.—VIOLENT DEATHS.																																																																																																			
Order 1.—Accident or Negligence.																																																																																																			
Fractures and Contusions (Chained)																																																																																																			
Wounds (Cut, Stab																																																																																																			
Burns and Scalds																																																																																																			
Poison																																																																																																			
Drowning																																																																																																			
Suffocation																																																																																																			
Otherwise																																																																																																			
Order 2.—Homicide.																																																																																																			
Order 3.—Suicide.																																																																																																			
Causes not specified or ill defined																																																																																																			



TABLE IV.

ST. PANCRAS SANITARY DISTRICT.

Table shewing the Mortality from certain classes of Diseases, and proportions to Population, and to 1,000 Deaths in 1877.

	Total Deaths.	Deaths per 1000 of Population.	Proportion of Deaths to 1000 Deaths.
1. Seven Principal Zymotic Diseases ..	755	3.20	148.0
2 Pulmonary Diseases (other than Phthisis)	1065	4.95	266.7
3. Tubercular Diseases.	663	3.09	147.3
4. Wasting Diseases of Infants	260	1.21	57.8
5. Convulsive Diseases of Infants	391	1.82	86.9

NOTES.

1. Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever, and Diarrhœa.

3. Includes Phthisis, Scrofula, Rickets, and Tabes.

4. Includes Marasmus, Atrophy, Debility, want of Breast Milk, and Premature Birth.

5. Includes Hydrocephalus, Infantile Meningitis, Convulsions, and Teething.

TABLE V.
ST. PANCRAS SANITARY DISTRICT.

Table shewing the Number of Deaths from the seven principal Zymotic Diseases, in the 10 Years 1867 to 1876, and in the Year 1877.

Disease.	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	Annual Average of 10 years, 1867-76.	Proportion of Deaths to 1000 Deaths in 3 years, 1874-76.	1877	Proportion of Deaths to 1000 Deaths in 1877.
Small Pox	65	12	1	21	448	58	2	3	2	22	64	1.9	129	2.53
Measles	83	102	68	87	105	105	221	64	82	117	103	17.6	143	2.80
Scarlet Fever	101	237	239	477	95	70	17	95	220	137	169	30.3	89	17.4
Diphtheria	44	50	20	35	37	16	38	35	55	38	37	9.2	22	4.3
Whooping Cough	166	128	221	99	158	259	212	121	232	198	179	33.9	141	27.7
Fever	118	122	126	158	112	78	78	67	58	84	100	15.7	76	14.7
Diarrhoea	211	286	219	227	236	235	253	222	178	239	231	44.5	155	30.4
Total	788	937	894	1104	1191	821	824	607	827	835	883	153.1	755	148.0
London	..	..	..	..	..	..	..	11352	13518	..	..	..	12380	160.8

TABLE VI.
ST. PANCRAS SANITARY DISTRICT.

Report of the Sanitary Work, &c., completed in the year ending
December 31st, 1876.

No. of Complaints received during year from the Sanitary Inspectors and the Public	-	-	2166
No. of Houses, Premises, &c., inspected	-	-	3000

RESULTS OF INSPECTION.

Orders issued for Sanitary Amendments of Houses and Premises	-	-	-	1900
Houses and Premises, &c., Cleansed, Repaired, and Whitewashed	-	-	-	1305
Houses Disinfected after Infectious Diseases	-	-	-	247

HOUSE DRAINS.

Repaired, Cleansed, &c.	-	-	-	281
Trapped or Ventilated	-	-	-	428

PRIVIES AND WATER CLOSETS.

Repaired, Cleansed, &c.	-	-	-	610
Supplied with Water	-	-	-	355
New provided	-	-	-	3

DUST BINS.

New provided	-	-	-	48
Repaired, Covered, &c.	-	-	-	171

WATER SUPPLY.

Cisterns (new) erected	-	-	-	15
Cisterns Cleansed, Repaired, and Covered	-	-	-	196

MISCELLANEOUS.

Overcrowding	-	-	-	109
Removal of accumulations of Dung, Stagnant Water, and other Refuse	-	-	-	102
Removal of Animals improperly kept	-	-	-	17
Bakehouses	} Regularly inspected	-	{	196
Licensed Cowhouses				66
Licensed Slaughterhouses				59
Other Proceedings, <i>e.g.</i> Legal Proceedings	-	-	-	10

Return for the Period—July to December, 1876.

RETURN made by Mr. W. T. JONES, Vaccination Officer of the Sub-Districts of ST. PANCRAS PARISH, respecting the Vaccination of Children whose Births were Registered in his District, from 1st July, to 31st December, 1876.

Registration Sub-Districts comprised in the Vaccination Officers' District.	Number of Births returned in the Birth List Sheets as Registered from 1st July, to 31st De- cember, 1876.	Number of these Births duly entered by 31st July, 1877, in Columns 10, 11, and 13 of the Vaccination Register (Birth List Sheets, viz. :				Number of these Births which on the 31st July, 1877, remained unentered in the Vaccination Register on Account (as shown by Report Book.)			Number of these Births remaining on 31st July, 1877, neither duly en- tered in the Vac- cination Register (columns 3, 4, 5 and 6 of this Return) nor temporarily accounted for in the Report Book, Cols. 8, 9, and 10 of this Return.	
		Col. 10. Successfully Vaccinated.	Col. 11.		Col. 13. Dead Unvacci- nated.	Postponement by Medical Certificate.	Removal to Districts, the Vaccination Officer of which has been duly apprised.	Removal to Places un- known, which cannot be reached, and Cases not having been found.		
			Insuscep- tible of Vaccination.	Had Small Pox.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1 Kentish Town . . .	1458	1274	...	...	117		5	3	56	3
2 Regent's Park . . .	521	534	1	...	47		...	1	35	3
3 Camden Town . . .	410	374	1	...	28		1	...	6	...
4 Somers Town . . .	671	567	...	...	59		2	3	39	1
5 Tottenham Court Road .	447	379	1	...	30		1	3	31	2
6 Gray's Inn Road . . .	426	348	3	...	37		1	6	27	4
Total . . .	4033	3476	6	...	318		10	16	194	• 13

* These Cases have been entered in the Report Book, Certificates promised.

Return for the Period—January to June, 1877.

RETURN made by Mr. W. T. JONES, Vaccination Officer of the Six Sub-Districts of ST. PANCRA'S PARISH, respecting the Vaccination of Children whose Births were Registered in his District from 1st January, to June 30th, 1877, inclusive.

Registration Sub-Districts comprised in the Vaccination Officer's District.	Number of Births returned in the Birth List Sheets as registered from 1st January to 30th June, 1877.	Number of these Births duly entered by 31st January, 1877, in Columns 10, 11 and 13 of the Vaccination Register (Birth List Sheets) viz.:					Number of these Births which on 31st January, 1878, remained unentered in the Vaccination Register on account (as shown by Report Book) of			Number of these Births remaining on 31st January, 1878, neither duly entered in the Vaccination Register " (Columns 3, 4, 5 & 6 of this Return, nor temporarily accounted for in the Report Book," (Columns 8, 9 & 10 of this Return).
		Col. 10. Successfully Vaccinated.	Column 11.		Col. 13. Dead Unvacci- nated.	Postponement by Medical Certificate.	Removal to Districts, the Vaccination Officer of which has been duly apprised.	Removal to Places unknown, or which cannot be reached ; and Cases not having been found.		
			Insuscep- tible of Vaccination.	Had Small Pox.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1 Kentish Town - -	1442	1243	4	...	87		13	7	82	6
2 Regent's Park - -	609	514	4	1	44		3	2	40	1
3 Camden Town - -	399	354	...	...	24		2	1	18	...
4 Somers Town - -	655	547	...	2	53		3	4	42	4
5 Tottenham Court Road -	415	319	2	...	42		5	2	39	6
6 Gray's Inn Road - -	474	388	2	...	27		3	2	48	4
TOTAL - - -	3904	3365	12	3	277		29	18	269	* 21

* These cases have been duly entered in the Report Book, certificate produced.

TABLE I. - SUMMARY OF THE RESULTS OF THE INVESTIGATION

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
1. Total number of cases	100	100	100	100	100	100	100	100	100	100	100
2. Number of cases by sex											
Male	50	50	50	50	50	50	50	50	50	50	50
Female	50	50	50	50	50	50	50	50	50	50	50
3. Number of cases by age											
Under 10	10	10	10	10	10	10	10	10	10	10	10
10-20	20	20	20	20	20	20	20	20	20	20	20
20-30	30	30	30	30	30	30	30	30	30	30	30
30-40	20	20	20	20	20	20	20	20	20	20	20
40-50	10	10	10	10	10	10	10	10	10	10	10
50-60	10	10	10	10	10	10	10	10	10	10	10
60-70	10	10	10	10	10	10	10	10	10	10	10
70-80	10	10	10	10	10	10	10	10	10	10	10
80-90	10	10	10	10	10	10	10	10	10	10	10
Over 90	10	10	10	10	10	10	10	10	10	10	10
4. Number of cases by race											
White	80	80	80	80	80	80	80	80	80	80	80
Colored	20	20	20	20	20	20	20	20	20	20	20
5. Number of cases by occupation											
Agriculture	10	10	10	10	10	10	10	10	10	10	10
Manufacturing	20	20	20	20	20	20	20	20	20	20	20
Retail trade	30	30	30	30	30	30	30	30	30	30	30
Professional	10	10	10	10	10	10	10	10	10	10	10
Domestic service	10	10	10	10	10	10	10	10	10	10	10
Unemployed	10	10	10	10	10	10	10	10	10	10	10

TABLE II. - SUMMARY OF THE RESULTS OF THE INVESTIGATION

TABLE III. - SUMMARY OF THE RESULTS OF THE INVESTIGATION

TABLE IV. - SUMMARY OF THE RESULTS OF THE INVESTIGATION