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

Contributors

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St. Pancyas, Middlesex.

TWENTIETH ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

Being the Report for the Year 1875.



TO THE VESTRYMEN OF ST. PANCRAS.

GENTLEMEN,

During the year 1875, the number of births registered in the Parish of St. Pancras was 8,010, and of deaths, 5,416. Deducting the deaths of non-parishioners in public institutions, and making due allowance for the deaths of parishioners in hospitals, the corrected number of deaths was 5,401.

The births were exactly the same in number as in the preceding year 1874.

The deaths in 1875, exceeded those of 1874, by 419.

In April, 1871, when the last census was taken, the actual population of St. Pancras was 221,465. During the preceding ten years the average annual rate of increase of population was 1·1 per cent. Assuming that the population had continued to progress at the same rate, the estimated population in the middle of the year 1875, was 232,000. But since, year by year, during the decade 1861-71, the rate of increase of our local population was continually decreasing, the above estimate of population in 1875 is doubtless too high, and in my tables and calculations I have taken 231,000 as the population in the middle of the year under review. Even this estimate is perhaps too high; for the fact that during the last three years the births have been stationary (vide Table I.) points to a non-increasing population. It is hence highly probable that my calculations as to mortality rates are too low

The annual rate of mortality in 1875 was 23.38 per 1,000 persons living, and this is exactly the average of the rates during the preceding ten years. The rate of mortality was 1.63 per 1,000 higher than in 1874.

Table II. shows that the mortality in 1875 was greater among infants and young children, and I may add that the mortality was also greater among adults, than in 1874.

Table III. tabulates the deaths from various diseases, and specifies the ages of the persons deceased. In this table the deaths in hospitals are excluded.

In Table IV. the deaths from various diseases are classified; and the most important classes of diseases are exhibited in various forms, so as to shew not only gross numbers, but also the ratio of deaths from these diseases to the population, and to the total deaths.

Table V. exhibits at a glance the deaths from the seven principal zymotic diseases in 1875, and compares the deaths not only with the mortality from these diseases in the Metropolis during the same year, but also with our local mortality during the preceding ten years. It will be noted that in 1875, the deaths from the principal zymotic diseases were a little below the metropolitan rate, and also a little below the average local rate from these diseases.

The death rate of the Metropolis was 23.7, or 0.3 per 1,000 higher than in St. Paneras. If the death rate in this Parish be compared, however, with that of the North Registration Districts, of which it is a part, the comparison is by no means so favourable; for in these districts the annual rate of mortality was 22.3 only, or 1.0 per 1000 lower than in St. Paneras.

Table VI., shows the amount of work carried out by the Inspectors under my supervision.

Tables VII. and VIII. furnished by the Vaccination Officer, show that in not 2 per cent. of the registered births is there no return as to vaccination; and that 89 per cent. of the children born in the Parish were either successfully vaccinated in the Parish or died before being vaccinated.

SMALL POX.

Three cases only of this disease terminated fatally; and the disease was but little prevalent. There were several cases of so called chicken-pox in a rather severe form, some of which I have little doubt were really cases of small pox modified by vaccination.

MEASLES

were very prevalent, being largely disseminated through schools. Happily only 82 cases terminated fatally, which is perhaps a very small per centage of the total number of cases of illness from this disease.

SCARLET FEVER

The prevailing epidemic of this disease rapidly increased in severity as the year advanced, and caused 220 deaths. The severity of the epidemic made large demands on the time and energies of your officers. Scarlet Fever was more fatal than in any year since 1870.

DIPHTHERIA

was more fatal than in any of the preceding ten years. It caused 55 deaths.

HOOPING COUGH

told with great severity upon weakly children, of whom 232 succumbed. This disease is so eminently contagious, and our means of preventing its extensions in the earlier stages so inadequate, that when once a few cases get imported into a district, the disease is certain to spread spite of all precautions.

FEVER.

I am happy to state that the Parish was never in my experience, so free from typhus and typhoid (enteric) fever; and the mortality (58) from these diseases was only half that of the average of the preceding ten years.

DIARRHŒA

was also distinctly less fatal than usual, the deaths being 25 per cent. below the average rate of the preceding ten years, and lower than in any one of those years.

The large demands made upon the energies of your officers by the existence of so much preventible disease, by the necessity of periodical inspection of the worst portions of the Parish under the Sanitary Act, 1866, and by a resolution of the Vestry, asking for information with a view to proceedings under a Statute of the last Session of Parliament resulted in temporary embarrassment; and the obvious inability of one of your then Inspectors to deal with his district induced me to represent to the Vestry the need which existed for a more extended staff. I am happy to state that the extension of the staff, and the re-arrangement of duties which eventually resulted, is, I believe, already bearing good fruit; and I hope to be able to secure a more thorough and frequent periodical inspection of the Parish than heretofore.

SLAUGHTER-HOUSES.

A great improvement is observable in these places. It has rarely been necessary to enforce the Bye-laws relating to them by legal

procedings; and I am happy to think that the Slaughtermen themselves coincide with thenecessity of strictly complying with Sanitary requirements. There are still several Slaughter-houses which I should like to see abolished; but even these compare very favourably with their state before the new law came into force.

COW SHEDS

are, as a rule, well kept; but some few of them give trouble through want of cleanliners, and the keeping of an excessive number of cows.

I have the honour to be, Gentlemen, Your obedient Servant,

THOS. STEVENSON, M.D.,

Medical Officer of Health and
Examiner of Gas.

Sanitary Department, Vestry Hall, Pancras Road, n.w. June, 1876.

TABLE I. St. PANCRAS SANITARY DISTRICT.

Table showing the Population, Inhabited Houses, Births, Deaths, and Marriages, for the years 1875 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.**	
1875				
231,000	25,140	8,000	5,401	
1874				
229,000	24,920	8,010	4,932	
1873				
227,000	24,700	8,095	5,392	
verage of 3 Years \ 1873-1875	24,920	8,038	5,258	

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 is deducted, but a proportion of the deaths occurring in General Hospitals, relative to the population of the parish or district, is added to the total number of deaths registered.

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 1875 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 centage 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
1875 1874 1873 1872 1871 1869 1868 1867 1866	34·5 35·0 35·1 35·1 33·8 34·6 33·7 35·2 34·1 33·4	23·33 21·75 22·32 21·28 25·19 24·14 22·81 22·50 24·25 24·45 24·80	23·4 24·4	15·8 15·5	39·7 37·4	1,091
Average of 10 years 1864 to 1876	34.5	23.35			170.01	actor A

Table III.—Deaths Registered at several groups of Ages from different causes during the Year 1875.

Norn.—The Deaths in Public Institutions of Non-residents are excluded.

		_				_		_								
								1	AGES							
	CAUSE OF DEATH.	to 1	to 2	to 5	5 to 15	15 to 25	23 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 15	85 to 95	95 and spends	Total under 5 years	Total.
	CLASSES.															
II. IV. V	Zymotic Diseases Constitutional Diseases Local Diseases Developmental Diseases	282 198 440 296 55	146 28 169 46 8	210 52 118 18 9	195 88 78 4 4 8	21 99 88 4 4	22 139 108 14 9	99 177 161 19 11	27 181 269 4 12 4	26 02 880 18 14 12	21 89 827 89 12	9 149 185 4	888	I I was I	069 806 717 858 67	961 1089 2028 684 140 28
		1272	400	402	240	178	294	865	447	807	800	806	81	4	2017	8080
	CLASS L-ZYMOTIC DISEASES.									1						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Smallpot Order 1Minmatic, Menalen Menalen Smallpot Smallpot Smallpot Quinty Quinty Whooping Cough (Typhan Four and F Simple Continued F Erryingelan	3 86 -2 1 8	1 26 25 5 10 74	1 33 90 16 21 49	4 57 17 1 8 12 1 7 6	I an I menous	1 2 2 Land 2	1 1 1 1 1 1 1 6	THE THE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			11111111111	1 78 126 28 34 200 - 3 2	2 82 100 55 31 42 237 7 314 32
10 11 12 13 14 15 16 17 18 19	Parsperal Ferer (Metria) Carbanelo	113	14	11111		1111177 778	2 - 3 - 1 - 3 - 1	1 1111111111111111111111111111111111111	111411159	1 1 2 1 5 2	-6	71		11111111111	132	6 4 5 150 1 2 39 8
1 2 3 4	Syphilis	20		1111		1111		1111	2	1	1111	 			20	23 1
1 2 3 4	Privation	1 400	-1	11111		111111	1110	1113	111000			:::::::::::::::::::::::::::::::::::::::		111	7 2 	7 3 5 11
1	Thrush Order 4.—Parasitic.	13	- 344								***		44.	***	13	13
2	Worms, dec	400				-	100	111		100	711		1000	***	***	Ann.
1 2 3 4 5	CLASS II.—CONSTITUTIONAL DISEASES. Order L.—Diathetic Goat Irogay Cancer Cancer Cancer Mortification			::::		2	₂ 3	: 182 : :	** ₇	6 34 1	2 10 30 5	: 01-6 :00	:: ::		1	28 116 2 19
1 2 3 4	Order 2.—Tubercular. Scrofula	144 13 33	6 23 4 25	3 11 7 29	5 2 13 11	2 80 3	 132 1	1 133 1	105	51	"in	::		 	14 178 24 87	22 180 575 104
*********	Class III.—Local Diseases. Copinitis Corder L.—Nervous Eyeleni. Apoplexy Paralysis Copinitis Copinit	1 8 1 	:: :: :: :: :: :: :: :: :: :: :: :: ::	-0 1 	2 11	: 1: 1: 1: 1: 5	: 45 : 618	16 4 1	20 12 2	32 16 1 1 3	16 17 8	19 9 1 2 1		111 111 111 111 111	1 5 2 1 148 25	3 114 66 2 3 25 153 214

123 456 123 456 78 89 101	CAUSE OF DEATH. Order 2.—Organs of Circul Periombilits	Уграна.	0 to 1 1 6 9 156 49 42 5 9 1 1 1 9	1 to 2 1 3 84 9 9 1 1	2 to 5 5	5 to 15 1 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	15 to 25 25 25 25 25 25 25 25 25 25 25 25 25	25 50 25 14 14 14	35 to 45 45 26 24 26	45 to 55 1 1 42 29 2	53 to 65 65	63 to 73 73 54 ica	73 to 83 15	85 to 95	95 and apwards	7 26 280 1	Total 3 10 331 231
123456 12345678910	Perionalita Antorrien Hener Bloome, A. Hener Bloome, A. Hener Bloome, A. Largupitia. Penglis. Penglis. Penglis. Penglis. Penglis. Penglis. Penglis. Anthesa Lang plisman, Ac. Revitosatia. Revitosatia. Perionalia. Revitosatia. Revitosatia. Berniu . Berniu . Bloome . Berniu . Bern	Aygana.	9 156 49 42 5 9 1	3 84 24 -9 -1 1	4 40 1 21 11	12 5 9 10 9	3 9 11	14	26 24 2	42	56	iča	15			7 IG 200 1	10 234 21 063
4 5 6 1 2 3 4 5 6 7 8 9 10	Larguejtis. Bronchitis. Bronchitis. Phemicry	Max.	9 136 49 42 5 9 1	3 84 24 -9	40 1 21 11	10	11		- 2	2	97			-6	1	200	663
3 4 5 6 7 8 9 10	Gastatitis Entertia Proteinatis Perionatis Acacies Ubcoration of Intestines Hernia Elema E		1	1	1 2			15	20.00	19 14	20 8 14	16 2 16	1 2 3	1	-	91	212 17 141
12 13 14 15 16	Hepatitis			" "	1 - 1	-3 2	1 4 -1	1 2 6 ··· 2 ··· 1 ··· 1 ··· 1 ··· 1	-1 6 	3 	1 -3 1 4 3 1 2 2 4 4	1 6 5 2 9 1 9 9	1 2 3			6 22 4 2 2 2 3 1 2 2 1 1 2 2 1	13 25 31 7 9 9 3 4 4 11 2 15 7 4 8 11
1 2 3 4 5 6 7	Nephrikis Order 5.—Urinary Or Isohuria Bright's Dinease (Nephria) Dinbetos Calendos (Stone) Cystikis Eddny Discose, &c		1	11111111	2	22	- 3 - 2	1	1 100 10	2 5 1 1 1 15	- S 1 1 4 12		1 2 1 3	1 1		3 11111 2	9 1 28 11 3 6
1 2	Order 6.—Organs of Gen Orarian Deopsy	eration,		-		-	-1	2	21.0	-4	-1	-2	100		-	-	2 14
1 2	Order 7.—Organs of Loce Synovitis (Arthritis) Joint Disease, &c	111 111	-1	=	=	1	1	1	-1	-	1 2	-2	-2	-1		1	3 10
1 2 3	Order 8.—Integumentary Phlogram Ulcer Skin Disease, &c	System.	1 2			1	-	1			1	-1	1			2	7 1 2
1 2 3 4 5	CLASE IV.—DEVELOPMENTAL DI Order I.—Diseases of Chale Premature Birth	FEASUR.	94 4 3 10 42		11110											91 4 3 10 17	94 3 3 10 79
1 2	Order 2.—Adults. Paramenia Childbirth (see Puorperal Fever)		-	-		11	3	1 10	8				-				1 21
1	Old Age Order 3.—Old People.	*** ***	-	-	-	-	-			***	4	84	135	51	2		276
1	Order 4.—Nutrition. Atrophy and Debility		143	14	10	2	1	3	4	5	9	3		1		167	195
1 2 3 4 5 6 7	CLASS 4.— VIGILEY DIATES. Order 1.—Accident we Neglig- Fracture and Contunion S. Wounds (Contunion S. Burns and Scadis	ORCE.	5 3 38 1 8	2	5	3	1	4 : : : : : : : : : : : :		2 1 42 3	7 1 10000	8 1 1 3	8	2	1	II dendera	43 6 5 9 64 2 9

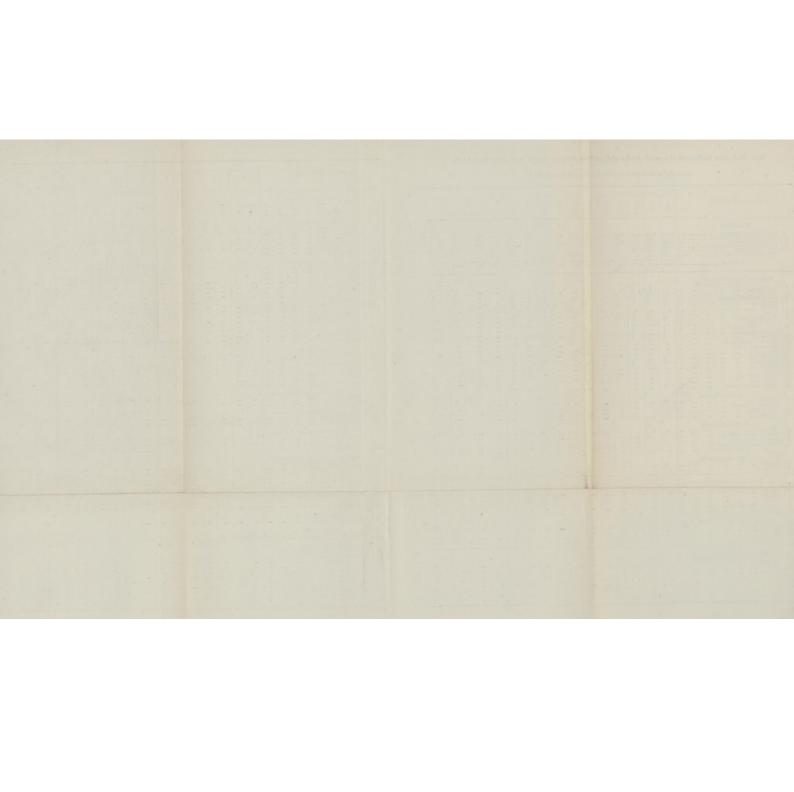


TABLE IV.
St. PANCRAS SANITARY DISTRICT.

Table showing the Mortality from certain classes of Diseases, and proportions to Population, and to 1,000 Deaths in 1875.

		Total Deaths.	Deaths per 1000 of Population.	Proportion of Deaths to 1000 Deaths.
1.	Seven Principal Zy- motic Diseases	827	3.6	153.0
2.	Pulmonary Diseases (other than Phthisis)	1139	5.0	210.9
3.	Tubercular Diseases.	736	3.2	136.5
1.	Wasting Diseases of Infants	406	1.7	75.1
5.	Convulsive Diseases of Infants	422	1.8	78.1

Notes.

- 1. Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever, and Diarrhoga.
 - 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 showing the Number of Deaths from the seven principal Zymotic Diseases, in the 10 Years 1865 to 1874, and in the Year 1875.

Disease.	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	Annual Average of 10 years, 1865-74.	1875	Propertion of Deaths to 1060 Deaths in 1875.
Small Pox	26	43	65	12	1	21	448	58	2	3	68	2	0.4
Measles	108	101	83	102	68	87	105	105	221	64	94	82	15.2
Scarlet Fever	133	121	101	237	239	477	95	70	17	95	158	220	40.7
Diphtheria	35	31	44	50	20	35	37	. 16	38	35	34	55	11.2
Whooping Cough	225	211	166	128	221	99	158	259	215	121	180	232	43.0
Fever	162	170	118	122	126	158	112	78	78	67	109	58	10.7
Diarrhœa	282	215	211	286	219	227	236	235	253	222	239	178	33.0
Total	971	892	788	937	894	1104	1191	821	824	607	905	827	153.1
London										11352		13518	165.8

TABLE VI. ST. PANCRAS SANITARY DISTRICT.

Report of the Sanitary Work, &c., completed in the year ending December 31st, 1875.

No. of Complaints received during year - No. of Houses, Premises, &c., inspected -	:	1206 1400
RESULTS OF INSPECTION.		
Orders issued for Sanitary Amendments of Hous	es	
and Premises Houses and Premises, &c., Cleansed, Repaire	d,	814
and Whitewashed Houses Disinfected after Infectious Diseases	-	342
Trouses Disinfested after Intestious Diseases		156
House Drains.		
Repaired, Cleansed, &c		216
Trapped or Ventilated	-	192
PRIVIES AND WATER CLOSETS.		
Repaired, Cleansed, &c		329
Supplied with Water	-	217
New provided		ō
DUST BINS.		
New provided	-	19
Repaired, Covered, &c		48
W. man Commen		
WATER SUPFLY.		
Cisterns (new) erected Cisterns Cleansed, Repaired, and Covered	-	85
MISCELLANEOUS.		
Removal of accumulations of Dung, Stagnant Water	er,	-
and other Refuse Removal of Animals improperly kept -	:	37 17
Bakehouses	(231
Licensed Cowhouses Regularly inspected	-}	69
Licensed Slaughterhouses) Other Proceedings, e.g. Legal Proceedings		61
		9.6

Return for the Period-July to December, 1874.

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, 1874.

Registration Sub-Districts	Number of Births returned in the Birth List		hese Births d 10, 11, and 13 (Birth)		ecination R		Number of th July, 1875, Vaccination B	Number of these Births remaining on 31st July, 1875, neither duly en- tered in the Vac-		
comprised in the Vaccination Officers' District.	Sheets as Registered from 1st July, to 31st De- cember, 1874.	Col. 10. Successfully Vaccinated.	Col. Insusceptible of Vaccination.	Had Small Pox.	Col. 13. Dead Unvaccinated.		Postponement by Medical Certificate.	Removal to Districts, the Vaccination Officer of which has been duly apprised.	kemoval to Places un- known, which cannot be reached, and Cases not having been found.	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.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1 Kentish Town	1447	1198	5		112	20 1	16	7	85	24
1 Regent's Park	653	550	2	-	70	-	8	1	38	14
3 Camden Town	400	331	1	-	36	# 3	4	-	22	6
4 Somers Town	671	536	-	-	69		4	1	43	18
5 Tottenham Court Road.	- 427	334	2	-	38	200	4	1	31	17
6 Gray's Inn Road	460	356	-	-	44		6	1	44	9
Total	4058	- 3275	10		369	7	42	11	263	* 88

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

Return for the Period-January to June, 1875.

RETURN made by Mr. W. T. Jones, Vaccination Officer of the Six Sub-Districts of St. Pancras Parish, respecting the Vaccination of Children whose Births were Registered in his District from 1st January, 1874, to June 30th, 1875, inclusive.

Registration Sub-Districts	Number of Births returned in the Birth List	31st Janu	mber of these ary, 1876, in intion Registe	Columns 10), 11 and 13	of the	Number 31st January, the Vaccina (as sho	Number of these Births remaining on 31st January, 1876, neither duly entered in the		
comprised in the register from January to 30th July 100 to	Sheets as registered from 1st	Col. 10. Successfully Vaccinated.	tible of	Had Small Pox.	Col. 13. Dead Unvaccinated.		Postponement by Medical Certificate.	Removal to Districts, the Vaccination Officer of which has been duly apprised.		Vaccination Register "(Columns 3, 4, 5 & 6 of this Raturn, nor temporarily accounted for in the Report Book," (Columns 8, 9 & 10 of this Return).
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
1 Kentish Town	1478	1212	3		96		13	4	121	29
2 Regent's Park	650	533	5		44		9	2	43	14
3 Camden Town	405	336			35		5		24	5
4 Somers Town	687	535	1		69		6	1	65	10
5 Tottenham Court Read -	432	330	1		33		8	2	48	10
6 Gray's Inn Road	465	356	2	/	35		10	2	55	5
TOTAL	4117	3302	12		312		51	11	356	* 73

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

