#### [Report 1920] / Medical Officer of Health, Fife County Council.

#### **Contributors**

Fife (Scotland). County Council.

#### **Publication/Creation**

1920

#### **Persistent URL**

https://wellcomecollection.org/works/a3zcqc9n

#### License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



AC-4655

COUNTY COUNCIL OF FIFE.



# ANNUAL REPORT

ON THE

HEALTH AND SANITARY CONDITION OF THE COUNTY AND DISTRICTS

DURING

1920

BY

# G. PRATT YULE,

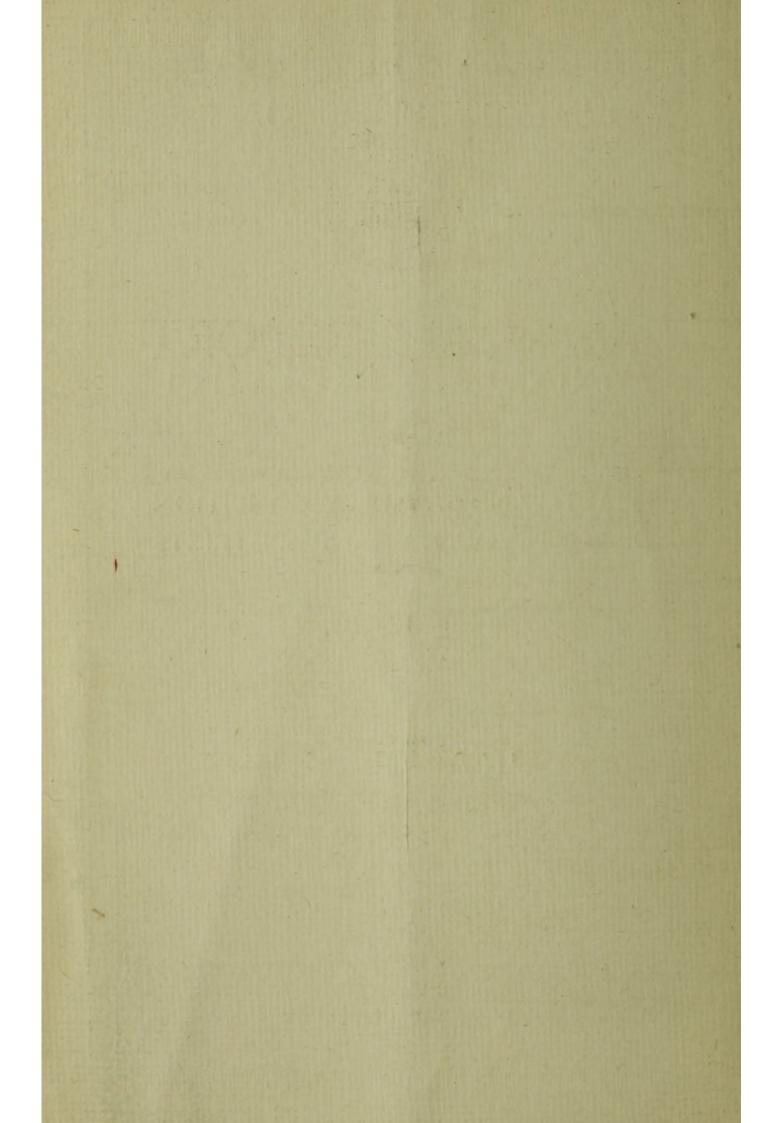
M.D., F.R.C.P., B.Sc. (PUB. HLTH.), EDIN.

MEDICAL OFFICER OF HEALTH.

CUPAR-FIFE:

J. & G. INNES, "THE FIFE HERALD & JOURNAL" OFFICE.

1921



# COUNTY COUNCIL OF FIFE.



# ANNUAL REPORT

ON THE

HEALTH AND SANITARY CONDITION
OF THE COUNTY AND DISTRICTS

DURING

1920

BY

# G. PRATT YULE,

M.D., F.R.C.P., B.Sc. (PUB. HLTH.), EDIN.

MEDICAL OFFICER OF HEALTH.

CUPAR-FIFE:

J. & G. INNES, "THE FIFE HERALD & JOURNAL" OFFICE.

# ERRATUM.

On Page 21, Report of Executive Tuberculosis Officer, for "one thousand five hundred cases" read "one thousand and ninety-five cases."

# INDEX.

		Page.
ACTS,	Infectious Diseases (Notification) 1889,	19-20
	Housing, 1890-1919,	26
	Midwives (Scotland) 1915,	24
	Rag Flock, 1911,	26
	Rivers Pollution, Prevention of, 1876,	26
	Sale of Food and Drugs, 1875,	30
	Proceedings of Sampling thereunder,	38 et seq.
BIRTHS,		3
BYLAWS,	Building,	27
DILAWS,		
	Common Lodging-Houses,	27
DEATHS,	Age, Distribution of and Causes,	9
	Cancer,	13
	Diarrhœa,	6 and 11
	Epidemic Diseases (principal),	10
	Infantile,	5
	Infantile, Illegitimate,	7
	General,	8
	Respiratory Diseases,	14
	Tuberculous Disease,	11
	Violence (including Suicide),	14

HEALTH VISITING, (See Maternity and Child Welfare Service),

### INDEX -Continued.

	Page.
HOSPITAL ISOLATION,	17–18
HOUSING,	26
INFECTIOUS DISEASES,	16
MATERNITY AND CHILD WELFARE SERVICE,	24
MEAT INSPECTION,	29
MILK SUPPLY,	29
MORBID PRODUCTS, EXAMINATION OF,	28
MORTALITY (see Deaths supra).	
PLANS, BUILDING,	27
POPULATION, COUNTY,	3
SANATORIUM, "GLENLOMOND,"	21
SANITATION OF CINEMAS, THEATRES, Etc.,	29
SCHOOL HYGIENE,	26
SEASONAL WORKERS, HOUSING OF,	27
SLAUGHTER-HOUSES,	28
SMALLPOX,	20
TUBERCULOSIS CONTROL,	
VENEREAL DISEASES,	24
VITAL RETURNS;	45 et sea

# DISTRICT REPORTS

			. ,	
ACTS,	Factory and Workshop, 19	901.	MA .	Page
	Cupar District,			30
	Dunfermline District,			33
	Kirkcaldy District,			34
	St Andrews District,			36
	Infectious Diseases (Notifi	cation),	1889.	
	Cupar District,			30
	Dunfermline District,			32
	Kirkcaldy District,			34
	St Andrews District,			36
BYLAWS—	Building—			
	Cupar District,			30
	Dunfermline District,			32
	Kirkcaldy District,			34
	St Andrews District,			36
HOUSING,	Cupar District,			30
MEAT INSI	PECTION—			
	Cupar District,			31
	Dunfermline District,			33
	Kirkcaldy District,			35
	St Andrews District			37

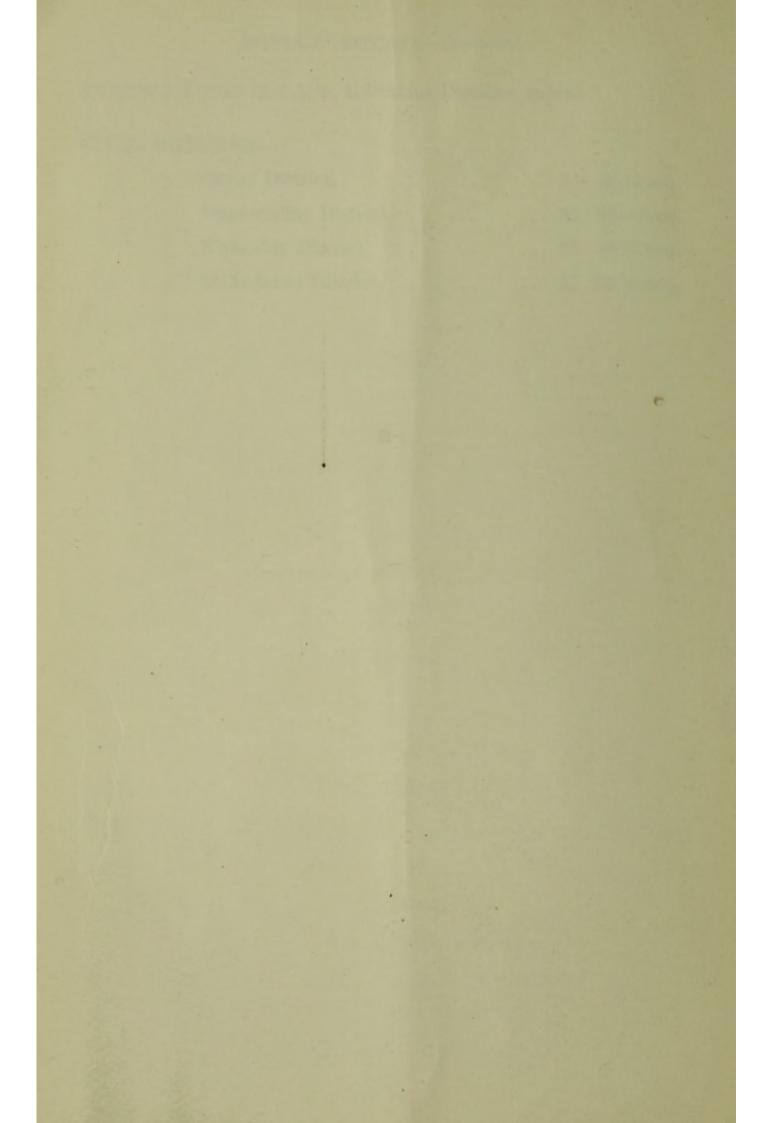
#### DISTRICT REPORTS .- Continued.

## TUBERCULOSIS (See Acts, Infectious Diseases, supra).

### VITAL RETURNS-

Cupar District,			 31:45 et seq.
Dunfermline District,			 33:50 et seq.
Kirkealdy District,			 35:54 et seq.
St Andrews District	4/4	20	37 : 58 et sea.

and Madday Condition of the Country's Art had to



# TO THE COUNTY COUNCIL AND DISTRICT COMMITTEES OF THE COUNTY OF FIFE.

MY LORDS AND GENTLEMEN,

I have the honour to present, in accordance with the requirements of the Scottish Board of Health, in terms of the Public Health (Scotland) Act, 1897, the Report on the Health and Sanitary Condition of the County of Fife and its several Districts for the year 1920.

I have the honour to be,

My Lords and Gentlemen,

Your obedient servant

G. PRATT YULE,

County Medical Officer.

August 1921.

PUBLIC HEALTH DEPARTMENT,
COUNTY BUILDINGS,
CUPAR-FIFE.



# COUNTY OF FIFE.

REPORT BY THE COUNTY MEDICAL OFFICER OF HEALTH FOR THE YEAR 1920 (BEING THE 26TH ANNUAL REPORT, A HIATUS OF FOUR YEARS HAVING OCCURRED DURING THE WAR PERIOD).

#### POPULATION.

The population of the Landward Area of the County according to the estimate of the Registrar-General, calculated to the middle of the year 1920, was 113,177, being an increase of 1289 over the figure for 1919.

The natural increase of the population, that is the excess of births over deaths, for 1920, was 1920.

The populations of the four County Public Health Districts, similarly estimated to the middle of 1920, were:—

Cupar District,			 14,998
Dunfermline District,	1.	PAR	 33,961
Kirkcaldy District,			 49,298
St Andrews District,			 14,920

The results of the census, now imminent, will test the accuracy of these figures.

#### BIRTHS.

During 1920, there were registered in the County Area 3138 births, of which 219 or 6.97% were illegitimate. The figure for 1920 is the highest recorded for birth events either before or since the years 1908 and 1909, when 3210 and 3180 respectively were registered, while the birth-rate of 23.5 per 1000 is higher than that of the four preceding years.

In 1919, there were 2458 births recorded, of which 171 were illegitimate. The increase in the birth-rate as set forth in the sub-joined table is a matter of satisfaction when taken in conjunction with the lowest death-rate recorded in County annals.

HHIE	AC	BIRTHS	(Total)	ILLEGI	
AREA.	DESC.	Number	Rate per 1000	Number	Perc't'g of total Births.
Cupar District,		306	20.4	42	13.7
Dunfermline District,		1049	30.9	58	5.5
Kirkealdy District,'	-7.0	1473	29.9	99	6.7
St Andrews District,	mer.	310	20.8	20	6.5
County Landward,	101.5	3138	23.5	219	6.9

The following table shows the number of births registered in each of the four Districts and the County during the last fifteen years:—

Year.	Cupar Dist'ct.	Dun'ine Dist'et.	Kirk'dy Dist'et.	St And. Dist'ct.	Fife County.	Rate per 1000
1906	345	996	1163	334	2838	32.4
1907	284	983	1251	240	2758	31.6
1908	301	1028	1492	389	3210	36.4
1909	317	1122	1438	303	3180	35.7
1910	320	1002	1399	311	3037	33.8
1911	310	913	1334	288	2845	27.0
1912	284	949	1451	295	2979	27.8
1913	281	961	1359	282	2883	27.9
1914	285	983	1479	256	3003	28.9
1915	253	877	1229	266	2625	24.9
1916	259	842	1098	221	2420	22.6
1917	248	776	1008	223	2245	20.7
1918	229	873	1086	213	2401	21.7
1919	238	854	1151	215	2458	21.0
1920	306	1049	1473	310	3138	23.5

#### INFANTILE MORTALITY.

#### CAUSES OF INFANT DEATHS.

In the following table the more frequent causes of infant deaths are set forth.

## DEATHS OF INFANTS UNDER ONE YEAR-FIFE COUNTY.

CAUSE	Cupar District	Dunfermline District	Kirkcaldy District	St Andrews District	Fife County	Per cent.
Measles,		1			1	0.39
Scarlet Fever,				1	1	0.39
Whooping Cough,		4	8		12	4.74
Tuberculosis,	3	1	3		7	2.77
Meningitis,			1		1	0.39
Bronchitis,	1	9	14		24	9.48
Pneumonia,		14	6		20	7.98
Other Respiratory Diseases,			4		4	1.58
Diarrhœa, Enteritis,	2	7	19	2	30	11.85
Other Digestive Diseases,		4	7		11	4.36
Congenital Debility, Prema-			OVEN		Bail	in om
turity, Malformation, etc.,	16	38	48	4	106	41.90
Violence,			1		1	0.39
Other Defined Diseases,	2	10	19	3	34	13.44
Diseases Ill-Defined or Un-			100			2 123(13)
known,			1		1	0.39
Total,	24	88	131	10	253	100.00

The deaths of children under one year of age registered during 1920, numbered 253, equivalent to an infantile mortality rate of 80.62 per 1000 births registered during the year. This is the lowest infantile mortality rate yet recorded in County statistics.

There were 212 deaths of infants under one year recorded in 1919, giving an infantile mortality rate of 86.00 per 1000.

The more important causes of infant deaths were:—Congenital Debility, Prematurity, Malformation and Marasmus, which accounted for 106, or 41.90% of the total. This item shows an increase of 23 over the similar figure for 1919. Diseases of the Respiratory System, chiefly Bronchitis and Pneumonia, were the cause of 48 deaths, or 18.97%, a decrease of 19 from the number during 1919.

Diarrhœa and Enteritis carried off 30 infants, or 11.85% of the total, the highest number from this cause since 1914, when the figure was 31. There were but 9 deaths from diarrhœa in 1919, and 15 in 1918.

Overcrowding, as it exists at present in the homes of the working classes in the densely populated industrial areas of the County, is doubtless responsible, in part at least, for the large increase over the figures which pertained during the war years in respect of these diseases.

The total absence of any larder accommodation in the great majority of the working-class housing is undoubtedly a factor in causing the prevalence of infant diarrhœa, as articles of food e.g., milk have, perforce, to lie exposed on the living-room table or be kept in a wall-press devoid of adequate ventilation. Milk thus exposed to human exhalations, dust, etc., in excessive amount cannot be otherwise than detrimental to the health of infants who are solely dependent on it for nourishment.

In such circumstances, the safe-guarding of infant feeding becomes a serious problem. When breast feeding has to be abandoned for any sound reason, fresh cow's milk, suitably modified to meet the needs of infants under six months is, undoubtedly, the best substitute, if one can be reasonably certain of the milk reaching the infant in a fairly pure state. One hesitates, however, to advocate its use in circumstances where the chances of the milk remaining harmless are small indeed as is the case with the haphazard mother.

The claims of proprietary milk powders, which from their dry state offer much less chance of contamination than cow's milk, have to be considered, despite doubt as to freedom from adulteration and as to maintenance of a proper standard of nutritive value. They are also much more likely to be retained for the baby's exclusive use than cow's milk, a point in their favour when additional nourishment falls to be granted under the Maternity and Child Welfare Schemes.

The infantile mortality rates of the County and Districts for the last fifteen years are shown in the following table :—

Year	Cupar District	Dunfer'ne District	Kirkcaldy District	St Andr's District	Fife County
1906	46.4	111.4	106.9	59.9	95.5
1907	73.9	103.8	111.9	83.3	102.6
1908	109.6	123.5	139.4	59.1	121.8
1909	59.9	99.8	116.1	56.1	99.1
1910	95.3	102.7	116.5	80.3	105.0
1011	77.4	104.0	108.6	48.6	97.7
1912	52.8	101.2	107.5	54.2	95.0
1913	60.0	81.0	98.0	89.0	87.7
1914	49.0	113.0	108.0	74.0	101.2
1915	71.0	111.0	128.0	105.0	114.2
1916	54.0	76.0	100.0	63.0	81.8
1917	60.0	99.0	102.0	63.0	94.4
1918	83.0	103.0	98.0	85.0	97.0
1919	67.0	90.0	91.0	65.0	86.0
1920	78.0	84.0	89.0	32.0	81.0

## MORTALITY OF ILLEGITIMATE INFANTS.

The deaths of illegitimate infants under one year of age during 1920 numbered 17: the mortality of illegitimate infants as a proportion of the illegitimate births was 77.62 per 1000. In 1919, the illegitimate deaths numbered 14 and the similar mortality rate was 81.86 per 1000.

#### GENERAL MORTALITY.

The number of deaths allocated to the County in 1920 was 1218, an identical figure with that of 1919. The death-rate for 1920 (corrected for transfers and adjusted for age and sex distribution) was 10.76 per 1000 of a population, estimated to the middle of the year by the Registrar-General, as 113,177. This death-rate, the lowest yet recorded for the County, is a matter for satisfaction when considered in conjunction with a considerable increase in the number of birth events over previous years, as with an increase in the birth-rate, one expects to find an increase in the death-rate.

The deaths and equivalent rates for each of the four Districts and the County (corrected for transfers and adjusted for age and sex distribution) for 1920 were :—

		Number	Rate per 1000
Cupar District,	0,701	 182	9.8
Dunfermline District,	0.00	 380	11.6
Kirkcaldy District,	0	 508	10.7
St Andrews District,	10.00	 148	9.3
Fife County,	0.00	 1218	10.76

The appended table sets forth the age distribution of the more common causes of death in the County for the year 1920.

CAUSES OF DEATH.

65 Up-	warus	::::221 :1 :41 :52852 :22-54 :::51-181	395	32.45
1.5 1.5	00	:::::::::::::::::::::::::::::::::::::::	142	11.65
12	- CF	:::::::::::::::::::::::::::::::::::::::	92	7.55
M or	000	:::::::::::::::::::::::::::::::::::::::	72	5.95
95	1	:::::::::::::::::::::::::::::::::::::::	61	5.01
7	-01	:::::::::::::::::::::::::::::::::::::::	65	5.33
101	TOT	: : : : : : : : : : : : : : : : : : :	22	1.80
1		: 10 : 10 : 10 : 10 : 10 : 10 : 10 : 10	27	2.22
-	1	4-01-:-45-::4:::5::01::::5::5::5::	89	7.30
-	1	106 :: 1 : 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	253	20.77
	Female	88 88 60 72 11 12 12 13 14 15 16 16 16 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16	623	51.15
All Ages.	Male	241 282 283 283 283 284 285 285 285 285 285 285 285 285 285 285	595	48.85
	B'th S'xs	26 12 12 12 12 12 12 12 12 12 12 12 12 12	1218	100.00
Course on December	CAUSE OF DEATH.	Measles, Scarlet Fever, Whooping Cough, Diphtheria, Influenza, Erysipelas, Pulmonary Tuberculosis, Tuberculous Meningitis, Abdominal Tuberculosis, Cancer, Rheumatic Fever, Meningitis, Heart Disease, Bronchitis, Pround (all forms), Other Respiratory Diseases, Enteritis and Diarrhœa (under 2 years), Pheumonia (all forms), Other Diseases (non-malignant), Nephritis, Puerperal Sepsis, Other Diseases (non-malignant), Sucher Diseases (non-malignant), Viclence, Sucher Diseases (non-malignant), Sucher Diseases (non-malignant), Sucher Diseases (non-malignant), Sucher Diseases (non-malignant), Sucher Defined Diseases,	Total,	Percentage,

The proportion of infant deaths continues too high, over one-fifth of the total number of deaths having occurred under one year of age.

### PRINCIPAL EPIDEMIC DISEASES.

The sub-joined table sets forth the deaths from the principal epidemic diseases, generally known as "zymotic."

It is in some ways unfortunate that no record of the incidencerate of such severe scourges of infant life as diarrhœa and enteritis, measles and whooping cough is available, as the mortality returns in respect of these diseases give no indication of their epidemic severity.

PRINCIPAL EPIDEMIC DISEASES, DEATHS AND RATES, 1920.

DISEASE	Cunon	Dun- ferm- line Dist.			Fife County		
DISEASE	Cupar Dist.		caldy Dist.	100000000000000000000000000000000000000	Num- ber	R't p'r 1000	
Typhoid Fever,		FERT -				0.00	
Measles,		4	1		5	0.04	
Scarlet Fever,	1	2	1	1	5	0.04	
Whooping Cough,		8	13		21	0.18	
Diphtheria,	1	7	9	1	18	0.15	
Diarrhœa & Enteritis, (under 2 years).	2	8	21	2	33	0.20	
Total,	4	29	45	4	82	0.72	
Rate per 1000,	0.26	0.85	0.91	0.26	0.72		

The deaths from the principal epidemic diseases for 1919 were 50: in 1918 the number was 98, whilst 119 were recorded in 1917.

The deaths from measles continue low, these being 7 in 1919. In 1918, there were 15 deaths and 46 in 1917.

Deaths from whooping cough show an advance from 1919, when the figure was 4 only, but are better than the 1918 total—46, and also that of 1917, which was 24.

As all but 3 of the deaths from diarrhœa and enteritis occurred under one year, they have been previously discussed under Infantile Mortality. The sub-joined table diffentiates between the deaths under one year and under two years for the four Districts and the County.

#### DEATHS FROM DIARRHEA.

AREA.	Under 1 Year.	Under 2 Years.	Total.	Rate per 1000
Cupar,	 2		2	0.13
Dunfermline,	 1 7	1	8	0.23
Kirkcaldy,	 19	2	21	0.42
St Andrews,	 2		2	0.13
County Area,	 30	3	33	0.20

#### DEATHS FROM TUBERCULOSIS.

The number and age distribution of the deaths from tuberculosis, pulmonary and non-pulmonary, for the year 1920, are set forth in the following table —

DEATHS FROM TUBERCULOSIS.

Ages	Rate per 1000	0.46 0.44 0.56 0.80	0.54	0.33 0.20 0.30 0.06	0.24	0.79
All Ages	Number	15 28 12	62	5 15 1	28 100.00	90
	45 upw'ds	-010100	8 12.91	<b>-</b> : : :	3.58	9
	25–45	4 6 15 7	32 51.62	121:	4 14.28	35 39.32
	15–25	8968	19 30.64	:- ::	3.58	20 22.46
	5–15	: :21 :	3.22	. 1 8 :	4 14.28	6.86
Under 5	Years	:-::	1,61	3 11 1	18 64.28	19 21.36
AREA		Cupar District, Dunfermline Dist. Kirkcaldy Dist., St Andrews Dist.,	Fife County,	Cupar District, Dunfermline Dist., Kirkcaldy Dist., St Andrews Dist.,	Fife County,	Total Tuberculosis, Fife County, Per cent.,

The deaths attributed to tuberculosis were 90 in number, a similar figure to that of 1919. Phthisis accounted for 62 or 68.8%, while non-pulmonary forms of tuberculosis amounted to 28 or 31.1% of that total.

The total deaths from tuberculosis since active preventive work was taken up in 1912, have shown a general decrease. Thus, in 1913 the deaths from this cause numbered 140; 1914, 141; 1915, 132; 1916, 148; 1917, 113; 1918, 112; 1919, 90 and 1920, 90.

The deaths from phthisis show a slight increase over last year's figure, being 62 as against 53, while non-pulmonary tuber-culosis shows a corresponding decrease—28 as against 37.

The death-rate for phthisis (corrected for transfers) for 1920 was 0.54 as against 0.47 in 1919.

The death-rate for all tuberculosis (corrected for transfers), was 0.79 per 1000—the lowest figure yet recorded in the County.

#### DEATHS FROM CANCER.

The number of deaths (and mortality rates per 1000 of the estimated population to the middle of the year) from cancer for the four Districts and County for 1920 are as set forth in the subjoined table.

## DEATHS FROM CANCER 1920.

Distric	ct.		Number.	Rate per 1000
Cupar,	eli El		14	0.93
Dunfermline,	Ut.L.bn	0 7191	. 38	1.11
Kirkcaldy,			38	0.77
St Andrews,			16	1.07
Fife County,			106	0.93

The deaths from Cancer in Cupar District show a fall from last year's figure, there being 14 as against 25. The other three Districts all show a slight increase over the 1919 return, the Dunfermline rate, 1.11 per 1000, having highest place for the first time.

#### DEATHS FROM VIOLENCE.

There were 69 deaths from violence including suicide, of which there were 5, (3 females and 2 males), an increase of 2 over last year's suicide returns, and an increase of three for other forms of violence over the figure—66—for 1919.

DEATHS FROM VIOLENCE (INCLUDING SUICIDE).

District.		Number.	Rate per 1000
Cupar,		9	0.60
Dunfermline,		25	0.73
Kirkcaldy,		33	0.66
St Andrews,	HOSE	2	0.13
Fife County,		69	0.61

The rate for St Andrews is much lower than those of the other three Districts.

## DEATHS FROM RESPIRATORY DISEASE.

The number of deaths from respiratory diseases during 1920 was 184, equivalent to a death-rate of 1.62 per 1000 of the estimated population. There were 243 deaths from this cause in 1919; 379 in 1918; 184 in 1917 and 156 in 1916.

DEATHS FROM RESPIRATORY DISEASES, 1920.

		AREA	Under	7.17	15-25	25.45	45 Unw'ds	All	All Ages.
			years.					Number	Rate per 1000
	Cupar, Dunfermline,	::	212	:-	c1 :	:01	13	97	0.40
Pneumonia (all forms)	Kirkcaldy, St Andrews,	::	16	4:	1	44	12	42	0.85
	Fife County, Percentage,	::	39 41.48	5.32	9.58	10.64	31 32.98	94	0.83
	Cupar,	: :	1 9		::	::	4 20	29	0.33
Bronchitis	Kirkealdy, St Andrews,		17	:::	:::	-	12	30	0.60
	Fife County,	:	27	1:	1	1	43	71	0.62
	Percentage,	:	38.03			1.41	60.56	100.00	
Other	Fife County,	:	9	:	MIR Mis	13:10	13	19	0.16
Diseases	Percentage,	:	31.58	reda		0 :0	68.42	100.00	nomi No se
Total (Besniratory	Fife County,	:	72	5	6	11	87	184	1.62
Diseases	. Percentage,	:	39.13	2.70	4.89	00.9	47.28	100.00	o is

Pneumonia was certified to be the cause of 94 deaths and bronchitis of 71, these two diseases taken together thus accounting for 89.6% of the total deaths from respiratory diseases.

Deaths from diseases of the respiratory system amounted to 15.16% of the total mortality of the County. As in previous years, these diseases taken collectively retain pre-eminence of all causes of death, though separately pneumonia and bronchitis are exceeded by cancer, organic heart disease, and congenital debility, premature birth and marasmus.

Of the total deaths from respiratory diseases, 72 or 39.13% were under 5 years of age; of these 48 or 66.6% were under one year of age. These figures demonstrate that these diseases still constitute the greatest menace to infant life, excluding antenatal causes.

The above table further shows that these diseases are most dangerous to life under 5 and over 45 years of age.

HOSPITAL TREATMENT OF CERTAIN INFECTIOUS DISEASES, 1920.

	Cupar	Cupar District	Dunfermline Dist.	line Dist.		Kirkealdy Dist.	St. Andrews Dist.	ws Dist.	Fife County	unto
	Cases		Cases	Cases remov'd to Hospital		Cases remov'd to Hospital	Cases	Cases remov'd to Hospital	Cases	Cases remov'd to Hospital
Scarlet Fever, Diphtheria, Typhoid Fev'r	74 27 	. 23 :	116 102 3	102 94 2	135	125	38 : 53 : 6	36 21	363 323 4	326 291 2
Puerp'l Fever Cer. Spin. Men. Infant. Para. Phthisis,	13: : 10	:::::	6: 1 1		10 1 72	e : T : e	5: : : 3	: : : : 6	23 33 172	n : 62 : 62
	123	16	315	232	398	313	89	99	925	702
Percentage removed to Hos.	73.9	6.	73.6	9.	78.6	9.	74.1	.1	75	75.8
Average Incid. Rate per 1000 of Population	8.20	20	9.33	33	8.07	70	5.96	96	s ·	8.17

# HOSPITAL TREATMENT OF INFECTIOUS DISEASE.

The above table sets forth the numbers of patients suffering from those infectious diseases which usually merit hospital removal and the proportion which were removed from each of the four Districts and the County.

During 1920, the proportion of removal of infectious disease for hospital treatment was highest in Kirkcaldy District, 78.6% of the patients notified being removed, a position which this District has maintained since 1914. St Andrews District comes next with 74.1%, whilst Cupar with 73.9% practically ties with Dunfermline with 73.6%. The standard of removal is a very creditable one all over.

The incidence rate of infectious diseases was highest in Dunfermline District, viz., 9.33 per 1000, a position which Kirkcaldy held for the last five years. The incidence rate for the County is lower than the figure for 1919 when the rate was 8.48 per 1000; but is higher than the three previous years, 1918, 6.39; 1917, 6.64; and 1916, 7.39 per 1000.

INFECTIOUS DISEASE NOTIFICATIONS, FIRE COUNTY, 1920.

	I														ı	I	I
DISTRICT.	Scarlet	Diph- th'ria	Typ'd Fever	Scarlet Diph- Typ'd Ery- Pu'rp' Fever th'ria Fever sipelas Fever	-	Cereb. Spinal Menin- gitis	Infan- tile Par'ly- sis	Pul. Tub'r.	Non- Pul. Tub'r	Oph'l. mia Neoat- orum	Chic- ken pox	Ma- laria	Dys'n- tery	Dys'n- Tr'nch tery Fever	Acute Prim'y Pneu.	Acute Influ'l Pneu.	Total
	74	27	:	2	1	:	:	13	00	co	47	63	:	:	∞		190
Dunfermline,	116	102	60	31	1	1	:	61	35	887	108	-	00	1	41	. 22	543
:	135	172	1	16	1	1		72	43	4	93	4		:	29	1	572
St Andrews,	38	55	:	co	:			26	5	00	27	63	:		19	61	147
Fife County,	363	323	4	57	00	61		172	16	38	275	15	60	1	97	8	1452

### INFECTIOUS DISEASE NOTIFICATIONS.

The number of cases of compulsorily notifiable infectious diseases recorded during the year 1920 was 1452. These are set forth in detail in the foregoing table. The age distribution of each case notified will be found in the tables at the end of the Report.

In July, 1920, Chickenpox was made compulsorily notifiable by the District Committees of the four County Districts and on October 1st the Order of the Scottish Board of Health was promulgated, which made Chickenpox compulsorily notifiable throughout Scotland for a period of six months. Further, 1920 was the first complete year in which pneumonia (acute primary and influenzal), Malaria, Dysentery and Trench Fever were added to the list of notifiable diseases, so that comparison of this year's total figures with previous years' falls to be read in that light.

Scarlet Fever shows an increase of 94 cases over 1919; Diptheria an increase of 16; Typhoid a decrease of 10; Erysipelas an increase of 9; Pulmonary Tuberculosis a decrease of 134 and non-Pulmonary Tuberculosis an increase of 13.

### SMALLPOX.

In view of the severe outbreak of smallpox in and around Glasgow and the occurrence of a number of sporadic cases of the disease throughout the western area, the District Committees determined in the month of May, 1920, to offer free vaccination at the hands of private medical practitioners to the public generally. This was largely taken advantage of, as may be readily seen from the figures given below of the number of vaccinations carried out in the four districts of the County from the month of June to December, both inclusive:—Dunfermline, 3,906; Kirkcaldy, 2,522; St Andrews, 1,116 and Cupar, 357.

### TUBERCULOSIS CONTROL.

The number of notifications, removals for sanatorium treatment and deaths of patients suffering from tuberculosis are set forth in the various tables: the age distribution of patients notified is given in the tables concluding the Report.

There is nothing to add regarding the general supervision of the disease further to the statement in last year's report.

The report of Dr Mary David, Executive Tuberculosis Officer, on the work of the past year is annexed.

# REPORT OF EXECUTIVE TUBERCULOSIS OFFICER FOR 1920.

At the present time, we have over one thousand five hundred cases of Tuberculosis on the register which include the notifications for the current year and the tuberculous cases among discharged soldiers. The work of the Tuberculosis Officer has altered somewhat and has become more extensive since the advent of the Great War as Tuberculosis Officers were called upon to act as Medical Referees for the Ministry of Pensions in March 1920. Hence to-day the work consists in the revisitation of old cases, the visitation of current notifications and the work imposed by the Ministry of Pensions.

All cases of Tuberculosis are notified to the Chief Tuberculosis Officer and visited as soon as time permits: when one considers the geographical arrangements of the County of Fife and the difficulty of access and transfer to the various villages and cottar-houses, one can readily imagine that delay must inevitably occur before certain of the cases are visited. So far, all pulmonary cases have been examined by the Tuberculosis Officer: as regards the non-pulmonary cases, but few have been visited owing to lack of time and, as additional beds have been granted at "Glenlomond" for localised tuberculosis in children, this branch of the

work will have to be undertaken in the future if we are to make use of the treatment which is available for the children so afflicted. I should like to mention here that I regret that so many of the cases which would benefit most by treatment at "Glenlomond" are unwilling to go, namely, early cases where the patients feel so well that they do not realize the urgent necessity of making use of every means at their disposal to cure this insidious disease.

Again, I am often disappointed that among cases of non-pulmonary tuberculosis where joints have been immobilised by plaster of Paris in Hospital, the mothers are unwilling very often to allow the children to go to the Sanatorium where resistance to the tubercle bacillus may be made as high as possible.

The ideal before us is the stamping out of existing tuberculosis and the prevention of its occurrence, hence the revisitation of old cases is a very essential part of the work to be done. During the past year, much and valuable help has been given by the Health Visitors, ten in number, to tuberculosis work and monthly reports are sent in by them of the cases they have visited. The patients require visiting and revisiting to stimulate them to keep up hygienic conditions in the home and it is only by revisitation that one can return a patient for institutional treatment early enough to be of value.

Again, revisitation is very necessary when a patient returns from the Sanatorium so that advice may be given as to rearrangement of rooms, ventilation, etc., to turn the patient's room into a small sanatorium as far as possible. I should like to mention here that I find the majority of the patients very receptive of any suggestions of rearrangement in the homes which would improve conditions for the patients and those in contact with them.

The work for the Ministry of Pensions during the past year has been arduous. With the advent of the Great War we have over two hundred and forty cases of ex-service men with quiescent or active tuberculosis. The work in connection with these cases is from the Tuberculosis Officer's point of view emergency work comparing it with the routine County work. Every discharged

soldier, who is unable on account of tuberculosis to work, is visited by the Tuberculosis Officer at the request of the Ministry of Pensions at least every three months if he is not having institutional treatment, and it is only after such visits that his allowances and, in certain cases, special diet are granted. Patients requiring institutional treatment are visited before and after such treatment has been undergone. In the coming year, additional duties have been imposed on the Tuberculosis Officer in connection with ex-service men such as the writing of special reports and certificates, attending Medical Boards, etc.

From the above list of duties it will be readily understood how impossible it is that one Tuberculosis Officer can cover the necessary ground; hence revisitation of old cases has been in abeyance except in certain cases and the non-pulmonary cases have not been undertaken to any extent.

Should assistance be granted, centres might be established in the County where the Tuberculosis Officers might have the use of a room with a weighing machine to which the ambulant cases of the County for the area could come at regular intervals to be weighed and examined, which would be a great asset as it may be pointed out that there are no means at the disposal of the Tuberculosis Officer for weighing patients. These centres would in no way take the place of the domiciliary visits which are so essential.

There is a marked increase in the number of suspicious cases which are being notified and hence an increased number of observation cases: this shows a progressive tendency which is most gratifying.

May I express here my appreciation of the courtesy of the many practitioners who have helped me by sending notes, temperature charts and the results of sputum examinations of their cases.

> MARY L. DAVID, Tuberculosis Officer.

## TREATMENT OF VENEREAL DISEASES.

This continued as outlined in the Annual Report for 1919, that is, the treatment centres at Kirkcaldy and at Dundee were at work but there was delay in securing an appropriately located centre in Dunfermline Burgh for the western area of the County and at the close of 1920 no progress had been made in this particular.

# MATERNITY SERVICE AND CHILD WELFARE. MIDWIVES (Scotland) ACT 1915.

No developments in working principle have occurred during the year and the arrangements for the supervision of expectant and nursing mothers and of children of pre-school age continue on the lines detailed in former reports.

An additional health-visitor was appointed in Dunfermline, the District being divided into three health-visiting areas. The Burgh of Inverkeithing entered into combination with the District Committee, the County District Scheme being now in operation in the Burghs of Inverkeithing and Culross.

The notification of births by medical practitioners is now very satisfactory: omissions are few and not infrequently the monthly report to the District Committee records notification as complete. The annual report on the Maternity Service and Child Welfare Work of each District has been submitted to the District Committee.

There are now nine whole-time health-visitors at work within the County Landward area:—Cupar 1, Dunfermline 3, Kirkcaldy 3 and St Andrews 2.

As annually there is recorded a heavy levy on the lives of expectant mothers by puerperal sepsis and diseases and accidents of pregnancy and parturition and as the causes of many such deaths are preventable, the attention of health visitors has been increasingly drawn to the necessity of learning as early as possible of the fact of pregnancy with a view to the supervision of the young and inexperienced or thoughtless mother. During the

years 1915--20 inclusive, the deaths from the above causes numbered 84 and it is obvious that a large proportion of the infantile mortality from congenital debility, prematurity, etc., (which are answerable for nearly half of the infantile death-rate), are the result of disability from whatever cause of the pregnant mother. The Health Visitors learn of approximately 12--14 per cent. of expectant women: it is desirable that this proportion be largely increased.

The annual reports on the working of the Midwives Act have been furnished to the District Committees (the Local Supervising Authorities). The general tenor of these reports is similar to that of the information furnished in the Annual Report for 1919. During 1920, four certified midwives were reported to the Central Midwives Board for misconduct. The Board found the charges proven: three of the midwives were warned whilst one was ordered to be kept under supervision for a period of three months, when a report of her conduct would be required. This procedure carried the case forward to 1921: the midwife's name was ultimately struck off the Roll.

The bona-fide certified midwife has many faults so far as her professional work in terms of the Rules of the Central Midwives Board is concerned but she fulfils a very important function in the average working-class household. It is a matter for regret that as their numbers become less their places are not filled by competently qualified women. Many women appear to acquire the certificate of the Central Midwives Board but practice in an industrial mining area does not apparently attract the trained midwife. The matter may adjust itself as the demand increases; otherwise, the District Committees of the industrial areas will, doubtless, in more appropriate times consider the question of subsidising in some form competent women for the work.

A maternity home for women of the working-classes was opened in the latter half of the year in Dunfermline, the District Committee being jointly interested with the Town Council and other local authorities in the Scheme. It is too early to report of the advantage taken of the facilities provided.

#### RIVERS POLLUTION.

No action has been taken under these acts during the year. Discussion of the pollution of the Ore and Leven tends to occur perennially and frequently comes under notice in connection with the question of public drainage of the townships and densely populated communities of the central area of the County.

#### SCHOOL HYGIENE.

School closure for the preservation of the spread of infectious disease was comparatively seldom necessary during 1920.

#### RAG FLOCK ACT.

No proceedings have been taken under the provisions of the Rag Flock Act, 1911.

#### HOUSING.

The housing schemes of Dunfermline and Kirkcaldy District Committees are being advanced as rapidly as the difficulties in securing suitable sites in mining areas will permit of. The Housing Committees have been anxious to develop their proposed schemes throughout these districts but the investigation and inquiry necessary to procure a suitable solum involves in many instances tedious delay and after, it may be, many months promising sites have had to be abandoned owing to the possibility of subsidence.

In Cupar and St Andrews, matters remain as reported last year.

A few houses throughout the County have been represented for closure and closed where the condition of the structure was such that they were uninhabitable but obviously it is impracticable to interpret literally the provisions of the Housing Acts in present circumstances.

#### COMMON LODGING HOUSES.

Common Lodging Houses have ceased to exist: such establishments are defined in the Public Health Act, 1897, as those in which the charge for a night's lodging does not exceed sixpence and owing to increased charges the premises formerly regulated by the District Committees' bylaws have passed outwith the terms of the Statute.

In Dunfermline District, common lodging houses are included within the scope of the bylaws governing houses let in lodgings: this is not altogether satisfactory as the provisions are not so wide.

The proper remedy is the appropriate amendment of the Public Health Act but there appears little prospect of this in the immediate future.

#### HOUSING OF SEASONAL WORKERS.

Draft Bylaws under the provisions of Section 45 of the Housing, Town Planning, etc. (Scotland), Act, 1919, have been adopted by the District Committees of Dunfermline, Kirkcaldy and St Andrews and are before the Board of Health for confirmation.

#### PLANS-BUILDING BY-LAWS.

During 1920, 175 sets of plans were examined, criticised and reported upon to the District Committees concerned in respect of proposals to build, alter or convert premises. These involved proposals for the building of 393 new houses, for alterations and additions to 76 houses and in respect of 55 other premises, such as halls, workshops, shops, stables, byres, etc.

Reference was made in the Annual Report for 1919 to the attitude of the Board of Agriculture for Scotland regarding the submission to District Committees for approval of plans of buildings which the Board proposed to erect, convert or alter on small holdings. Further correspondence with the Board of Health elicited that the Board of Agriculture would in future submit to local authorities the plans in question which were to be subject to the building rules and requirements in force regarding new houses in respect of which the Government subsidy is paid.

Shortly thereafter, at a conference of the two Central Departments concerned, the above decision was rescinded and it was apparently determined that the standard of sanitary equipment required of the private working-class house subsidised from Government Grant was not necessary in respect of that of the small holder under the Board of Agriculture.

I understand that the Board of Agriculture has powers in respect of crofter housing: smallholdings in Fife County are not Highland Crofts.

The decision, so far as I can judge, is unsound.

#### THE EXAMINATION OF MORBID PRODUCTS.

The number of specimens submitted for examination on behalf of patients resident within the County Landward area during 1920 was 105. This figure shows a slight increase over the figure for 1919, which was 90 but is still far short of pre-war numbers, when 257 were recorded in 1912, 193 in 1913, and 162 in 1914.

Examination of Morbid Products, Fife, 1920.

LIAAMINAII	OH OF MO	TOID I	HODOC	10, 11	102	
	Results	Cupar	Dunf.	Kirk.	St An.	Total for
Nature of Specimen		Dist.	Dist.	Dist.	Dist.	four Dist.
Throat Swabs for	Positive	3	6	5	4	18
evidence of Diph- theria	Negative	6	16	7	11	40
Ann besiding foot	Total	9	22	12	15	58
Blood for evidence	Positive	-	-	1	1	1
of Enteric Fever	Negative	1	3	3	nd w	7
The state of the state of	Total	1	3	4	1 10	8
Sputum for evid-	Positive	-	-	1		1
ence of Tuber- culosis	Negative	5	9	16	1	31
Curosio .	Total	5	9	17	1	32
Material for evid-	Positive	2	(FAIR)	Name of	1	3
ence of Venereal Disease	Negative	2	-	1-04	2	4
27150430	Total	4		-	3	7
Total for all Morbid	Positive	5	6	7	5	23
Products	Negative	14	28	26	14	82
pain.	Total	19	34	33	19	105

#### INSPECTION OF MEAT.

I have nothing to add to the observations made in the Annual Report for 1919.

#### SANITATION OF CINEMAS, THEATRES, ETC.

Investigation of the sanitary condition of these establishments was begun in terms of a Circular issued by the Board of Health in December 1920. The arrangements regarding ventilation, lavatory facilities for the sexes, etc., vary somewhat widely but where the buildings are of recent construction, hygienic requirements have been reasonably attended to. In certain of the picture-houses the seats were not fixed and the necessary action has been taken.

#### MILK SUPPLY.

The conditions under which milk is produced and purveyed have been referred to in some detail in former Annual Reports.

Amended dairy bylaws were under consideration by the District Committees of Kirkcaldy and St Andrews in view of the provisions of the Milk and Dairies (Scotland) Act, 1914, but the post-ponement of the operation of this Act as the result of the outbreak of war and the question of its amendment in view of the experience gained during war years from the Government control of milk has led to delay until such time as the new statutory requirements affecting milk provening the North Region of the Region of the Statutory requirements affecting milk provening the North Region of the Region

WORKSHOPS

# CUPAR DISTRICT REPORT.

#### INFECTIOUS DISEASES.

During 1920, 190 cases of notifiable diseases came to knowledge of which 94 received hospital or sanatorium treatment.

The number and age distribution of cases of each of the notifiable infectious diseases, together with the number of patients removed for hospital or sanatorium treatment, is set forth in the table at the end of the Report.

The number of notifications is large but is inclusive of 47 cases of chicken-pox among other diseases which have been added to the list of notifiable diseases, by regulation or order of the Board of Health in recent years.

#### BUILDING BY-LAWS.

During 1920, 20 sets of plans of proposals to build, alter or convert premises were examined, criticised and reported upon.

The plans involved the erection of three new houses, alterations and additions to 11 existing houses and also of 6 other premises.

#### HOUSING.

One house was closed by the District Committee in terms of a representation made under Section 17 of the Housing and Town Planning Act, 1909.

#### WORKSHOPS.

There were 101 workshops on the register during 1920. These received the routine inspection. Want of cleanliness on occasion was the only defect noted; this was remedied on representation.

#### MEAT INSPECTION.

There are four slaughter-houses within the District, which are inspected as often as the exigencies of other duties permit.

#### VITAL RETURNS.

The vital returns of the District are annexed in tabular form at the end of the Report but may be briefly summarised as follows:—

There were 306 births registered during 1920, equivalent to a birth-rate (corrected for transcripts) of 20.4 per 1000 of an estimated population of 14,998. There were 42 illegitimate births, equivalent to 13.7 per cent of the total births.

The deaths of infants under one year of age numbered 24, the infantile mortality rate being 78 per 1000 births.

There were 98 marriages recorded, the marriage-rate (uncorrected) being 6.5 per 1000 estimated population. The deaths numbered 182, equivalent to a death-rate (corrected for transfers and adjusted for age and sex) of 9.8 per 1000 estimated population.

The death-rate from phthisis was 0.47 and from all tuberculosis 0.80 per 1000. The death-rate from tuberculosis has steadily declined of late years.

# DUNFERMLINE DISTRICT REPORT.

#### INFECTIOUS DISEASES.

During 1920, 542 cases of notifiable diseases came to knowledge of which 234 received hospital or sanatorium treatment.

The number and age distribution of each of the notifiable diseases together with the number of patients removed for hospital or sanatorium treatment is set forth in tabular form at the end of the Report.

Chickenpox, which is doubtless temporarily notifiable owing to the occurrence of smallpox, was responsible for 108 notifications.

#### SMALLPOX HOSPITAL.

Towards the close of the year, the smallpox hospital at Muir-cockhall, built of composite materials, was blown down. I understand the question of combination with Kirkcaldy District Joint Hospital Committee in respect of accommodation at Fosterton Smallpox Hospital is under consideration. No action has therefore been taken for the rebuilding of the wrecked hospital: as the country is not yet free of smallpox infection, a decision should be arrived at as early as possible.

#### BUILDING PLANS.

During 1920, 37 sets of plans of proposals to build, alter or convert premises were examined, criticised and reported on.

The plans involved the erection of 145 new houses including 16 of a temperary nature and alterations and additions to 7 existing houses and 10 other premises.

#### WORKSHOPS.

There are on the register 70 workshops which are maintained in satisfactory condition. Two notices were served under the Act in regard to cleansing at the routine time.

#### PIGSTYE BYLAWS.

During the year, complaints of nuisance from a piggery within the District emphasised the advisability of the District Committee framing bylaws regulating the keeping of pigs.

A draft set of bylaws are under consideration.

#### MEAT INSPECTION.

The slaughter-houses, four in number, are maintained in reasonable sanitary condition.

#### VITAL RETURNS.

These are set forth in detail in tabular form at the end of the Report.

There were 1049 births during 1920 equivalent to a birth-rate (corrected for transcripts) of 30.9 per 1000 of an estimated population of 31,403. The illegitimate births were 5.5 per cent of the total births, the lowest rate of the County Districts. The deaths of infants under one year of age were 88, the infantile mortality rate being 84 per 1000 registered births.

There were 287 marriages recorded, the uncorrected marriage rate being 8.5 per 1000.

The deaths numbered 380, equivalent to a death-rate (corrected for transfers and adjusted for age and sex) of 11.6 per 1000 estimated population.

The death-rate from phthisis was 0.44 and from all tuberculosis 0.85 per 1000, the lowest rate of the four County Districts.

# KIRKCALDY DISTRICT REPORT.

#### INFECTIOUS DISEASES.

During 1920, 571 cases of notifiable diseases came to knowledge of which 316 received hospital or sanatorium treatment.

The number and age distribution of the cases of each of the notifiable infectious diseases is tabulated at the end of the Report.

Of the total number of cases, 246 are notifications of disease made notifiable by order or regulation of the Board of Health since 1912. There were 93 notifications of chickenpox which is, doubtless, only temporarily notifiable in view of the recent outbreaks of smallpox.

#### BUILDING PLANS.

During 1920, 64 sets of plans of proposals to build, alter or convert premises were examined, criticised and reported on.

The plans involved the erection of 203 new houses, including 13 of a temporary nature and alterations and additions to 17 existing houses and 24 other premises.

#### WORKSHOPS.

Towards the end of the year, the Sanitary Inspector of the Southern Kirkcaldy area retired as the result of illness. The District was divided into three areas, two additional sanitary inspectors being appointed. At the end of 1919, there were 133 workshops on the register but the list has not been sufficiently revised and the inspection has not been complete enough during 1920 to report definitely.

#### MEAT INSPECTION.

There are 5 slaughter-houses in the District, one being the Public Slaughter-house of Markinch Burgh. Meat inspection is not complete being subject to the exigencies of other work.

#### VITAL RETURNS.

These are set forth in detail in tabular form at the end of the Report.

There were 1473 births registered during 1920, equivalent to a birth-rate of 29.9 per 1000 of an estimated population of 49,298. Illegitimate births amounted to 6.7 per cent of the total births.

Deaths of infants under one year numbered 131 equivalent to an infantile mortality-rate of 89.

There were 291 marriages recorded, the uncorrected rate being 5.9 per 1000.

The deaths numbered 508 equivalent to a corrected and adjusted death-rate of 10.7 per 1000.

The death-rate from phthisis was 0.57 and from all tuberculosis 0.87 per 1000.

# ST ANDREWS DISTRICT REPORT.

#### INFECTIOUS DISEASES.

During 1920, 147 cases of notifiable diseases came to knowledge of which 68 received hospital or sanatorium treatment.

The number and age distribution of each of the notifiable infectious diseases together with the number of patients removed for hospital or sanatorium treatment is set forth in the table at the end of the Report.

The large number of notifications is in great measure swelled by the inclusion of diseases added by the Board of Health to the list of compulsorily notifiable diseases in recent years: thus chickenpox is responsible for 27 and pneumonia for 19 notifications.

#### BUILDING PLANS.

During 1920, 57 sets of plans of proposals to build, alter or convert premises were examined, criticised and reported on.

The plans involved the erection of 42 new houses including 4 of a temporary nature and alterations and additions to 41 existing houses and 15 other premises.

#### WORKSHOPS.

There are 90 workshops on the register, the only defects requiring representation being want of cleanliness in respect of the routine limewashing, removal of refuse, etc.

#### MEAT INSPECTION.

There are four private slaughter-houses. The difficulties of meat inspection have been referred to in previous reports.

#### VITAL RETURNS.

The vital returns are annexed in tabular form at the end of the Report: the more outstanding figures are as follows:—

There were 310 births, the birth-rate (corrected for transcripts) being 20.8 per 1000 of an estimated population of 15,379. Illegitimate births amounted to 6.5 per cent. of the total births.

Deaths of infants under one year numbered 10, equivalent to an infantile mortality rate of 32. The number of infant deaths and the rate is, so far as I can trace, phenomenally small, the average number of infant deaths for many years back being over 20 per annum.

There were 91 marriages recorded, the rate being 6.1 per 1000.

The deaths numbered 148 being equivalent to a death-rate (corrected and adjusted) of 9.3 per 1000.

The death-rate from tuberculosis was 0.87 per 1000.

# Sale of Food and Drugs Acts.

Tables of Samples and Results of their Analyses.

### CUPAR DIVISION.

#### COUNTY DISTRICT.

			Gen.	Offici Adult	al. Total.			Gen.	Test. Adult.	Total
Milk,		1 -	37		37	Milk,	-	 7	3	10
Oatmeal,	-	-	1		1					
Flour,	-	-	1		1					30001
Butter,	-	-	2		2					
Malted Mil	k,	-	1		1					
Cocoa,	-	-	1		1					
Tea,		-	1		1					
Ginger,	-	-	1		1					
Lard,	-		1		1					
Margarine,		-	1		1					
Total,		-	47		47				mple of	10 f milk

# AUCHTERMUCHTY BURGH.

One adulterated sample of milk

contained 2.95% of fat. One adulterated sample of milk

contained 2.86% of fat.

		Gen.	Official Adult.	Total.			Gen.	Test. Adult.	Total.
Milk,		17		17	Milk,	-	 2		2

#### FALKLAND BURGH.

Milk,			Gen.	Offici Adult.		Milk, -			Test.	Total.
		1	6		4			.:	1	1
Olive Oil,		-	2		2	Mixed Spice,		1		1
Butter,	-	7	1		1					
Coffee,	-	-	1		1					
Oatmeal,	-	-	2		2					
Sago,	-	4117	1		1					
Total,			14		14	Total, The adu contained 2.	lter			2 of milk

#### LADYBANK BURGH.

			Gen.	Offici Adult.	
Milk,	-	-	7	1	8
Oatmeal,	-	-	1		1
Semolina,	-	-	1		1
Total,			9		10
The adv	2.35	% 0	f fat	or 22.	

#### NEWBURGH BURGH.

Official.
Gen. Adult. Total.
Milk, - 6 1 7
The adulterated sample of milk contained 2.58% of fat or 14.00% of added skimmed milk.

Test. Gen. Adult. Total.

### DUNFERMLINE DIVISION.

#### COUNTY DISTRICT.

Test. Gen. Adult. Total.

			Gen.	Office Adult	ial. . Total		
Milk,	-	-	72	3	75		
Butter,	1 -		2		2	1 19	
Tota	1,		74	3	77		
One ac		ated	samp			-	
of added					.33%	1	
One ad					milk	house or	
contained						L. L. S. S.	
of added							
One ac	lultera	ated	samp	ole of	milk	1	
contained	1 1.94	% 0	of fat	or 35	.33%	1	
of added	skim	med	milk	c.			

#### BURGH OF COWDENBEATH.

			Gen.	Offici Adult	al. Total.		Test. Gen. Adult. Total.
Milk, Butter,	-		33 5		33 5		don man 10tan
Total,		-	38	P.S.S	38	KENEDEWSK	

#### BURGH OF CULROSS.

			Gen.	Official Adult.				Gen.	Test. Adult	Total.
Milk,	-	-	2		2	Milk,		1		1
Butter,	-	-	1		1					
Coffee,	-	-	1		1					
Oatmeal,			1		1					
Total,			5		5	To	tal,	1		1

#### KIRKCALDY DIVISION.

#### COUNTY DISTRICT.

			Gen.	Offici Adult	al. Total.	Test. Gen. Adult. Total.
Milk, Butter,		Ċ	35 1		35	The state of the s
Total	Ι,		36		36	

Owing to the protracted illness of the Sampling Officer of Kirkcaldy Division which eventually led to his retirement from duty and the subsequent appointment of three new Sampling Officers towards the end of the year, no returns are available in respect of the Burghs of Leven, Leslie, Lochgelly and Markinch.

#### ST ANDREWS DIVISION.

#### COUNTY DISTRICT.

Black Current Jam, - -

Meat Paste, -Marmalade, -

Cinnamon,

				Officie	al.
			Gen	. Adult.	
Milk,	-	-	14	3	17
Butter,	-	-	2		2
Camp Pie	, -		1		1
Margarine		-	2		2
Total			19	3	22
One ad	*				milk
contained					
of added					70
One ad					milk
contained					

One adulterated sample of milk contained 2.58% of fat or 14.00% of added skimmed milk.

of added skimmed milk.

Total, - 11 1 12
One adulterated sample of Cinnamon contained 5.86% of silicious matter.

3

4

Test. Gen. Adult. Total.

5

3

#### EAST ANSTRUTHER BURGH.

			Gen.	Officia	al. Total.		Test. Gen. Adult. To
Milk,	-	-	8		8		
Oatmeal,	-	-	1		1		
Rice,	-	-	2		2		
Coffee,	-	-	1		1		
Cheese,	-	-	2		2		
Total,		-	14		14		

#### WEST ANSTRUTHER BURGH.

				Officia	ıl.
			Gen.	Adult.	
Milk,			8	1	9
Rice,	-	-	1		1
Condensed	Milk,	-	1		1
Cheese,		-	1		1
Total,		-	11	1	12
One adu	lterat	ed	samp	ole of 1	milk
contained ?					
of added s	kimm	ed	milk		

Test. Gen. Adult. Total.

#### BURGH OF CRAIL.

Official.
Gen. Adult. Total.
Milk, - 7 1 8
One adulterated sample of milk contained 3.35% of fat but only 8.26% of non-fatty solids.

Test. Gen. Adult. Total.

#### BURGH OF ELIE.

		Official	
	Gen.	Adult.	Total.
Milk,	7		7
Signal Eggs, -	1		1
Condensed Milk, -	1		1
Sugar,	1		1
Cream of Tartar,	1		1
Ginger,	1		1
Butter,	1		1
Total, -	13		13

	Test.	
den.	Adult.	Total.
4		4
2		2
1		1
1		1
	70017	
8		8
	4	den. Adult.

#### KILRENNY BURGH.

				Official	
				Adult.	
Milk,	-		8	1	9
Cook's Far	m E	ggs	1		1
Oatmeal,			- 1		1
Rice,		-	2		2
Ginger,		-	1		1
Pepper,		-	1		1
Cream of	Tart	ar,	1		1
Cheese,	-	-	1		1
Total.			16	1	17
. One adi				ole of r	nilk
contained					
8.30% of					

Milk,

Test. Gen. Adult. Total.

#### NEWPORT BURGH.

Gen. Adult. Total.
- 16 . . 16

Test. Gen. Adult. Total.

#### ST ANDREWS BURGH.

			Gen.	Officia Adult.	l. Total.		Test. Gen. Adult. Total.
Milk,			19		19		-IDM
Rice,	-		1		1		a between the and
Cream of	Ta	rtar,	1		1		
Ginger,	-	-	1		1		
Margarine,			1		1		
Total,		-	23		23		

#### TAYPORT BURGH.

N. D.			Gen.	Official Adult.	Total.	Postton		Gen.	Total.
Milk,			18	1	19	Butter, -	-	1	 1
Coffee,		-	2		2	Corned Beef,		1	 1
Ginger,		-	2		2	Veal, -	-	1	 1
Pepper,	-	-	2		2	Olive Oil,	-	1	 1
Margarine,		-	3		2 2 2 3 3	,			
Lard,		-	3		3				
Total,				1	31	Total,	4-	4	 4
One adultion of added s	2.45%	0	f fat	or 18.3					

# County of Fife.

## CUPAR DISTRICT.

# STATISTICAL TABLES.

- I. NOTIFICATIONS OF INFECTIOUS DISEASE, 1920.
- II. INFANT MORTALITY, 1920.
- III. BIRTHS AND DEATHS, 1920.

I. RETURN OF CASES OF INFECTIOUS DISEASE NOTIFIED, ETC., DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF CUPAR.

Population, Census 1911, 15,523.

Population Estimated to middle of 1920, 14,998

NUMBER OF CASES COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.

				Di Es.	DICAL	OFFICER.	OF H	EALTH.		
				At A	Age—Y	ears			0	
DISEASE	At all Ages	Under 1	1 and under 5	5 and under 15	15 and under 25			65 and up- w'rds	Cases re- moved to Hos- pital	Cases not re- mov'd to Hos- pital
A.—Notifii	D UND	ER THE	INFECT	rious D	ISEASE	(Notif	ICATION	) ACT,	1889.	
Enteric Fever Typhus Fever Smallpox	::	::	::	::	::		::	::	::	::
Scarlet Fever or Scarlatina	74	1	13	46	8	6			63	11
Diph. & Mem. Cr. Erysipelas Puerperal Fever	27 7 1	::	3	21	2	1 2 1	4	`i	23	7 1
Total	109	1	16	67	10	10	4	1	86	23
B.—Notifie	ED IN T					ACT,		78 OF 7	CHE	
Ophthal. Neon. Chickenpox Malaria Dysentery Trench Fever	3 47 2 	3 5 	iö 	31	'i  	··· ·· · · · · · · · · · · · · · · · ·	:::::	:::	:::::::::::::::::::::::::::::::::::::::	3 47 2
Acute Prim, Pneu. Acute Influ, Pneu. Pulmon, Tuberc, Non-Pul, Tuberc.	8 13 8	··· ··· 2	1  	3 2	2  4 2	2  8 2	::	i	5 3	8 8 5
Total of A and B	190	11	27	103	19	24	4	2	94	96
C.—DISEASES TO	WHICH ACT HAV	THE P	ROVISIO	NS OF	THE IN	FECTIOU LOCAL	S DISE	ASE (N	OTIFICA	TION)
Cerebro-Spinal Meningitis										
Ant. Polio-myelitis		1000		10.1.	0.83			MOR		

D.—Notified under Local Provisions, not under the Infectious Disease (Notification) Act, 1889.

NIL.

Names of Hospitals in which Cases were Treated.

AUCHTERMUCHTY JOINT INFECTIOUS DISEASES HOSPITAL. ST MICHAELS JOINT INFECTIOUS DISEASES HOSPITAL. GLENLOMOND SANATORIUM. BRIDGE OF WEIR SANATORIUM. SIDLAW HILLS SANATORIUM

NUMBER OF PERSONS RESIDENT IN THE DISTRICT AS AT 31ST DECEMBER 1920 WHO WERE KNOWN TO BE SUFFERING FROM TUBERCULOSIS.

Pulmonary Tuberculosis only			 56
Non-Pulmonary Tuberculosis only Both Pulmonary and Non-Pulmonar	y Tube	rculosis	 31

Total .. .. ..

88

# II.—RETURN OF INFANT MORTALITY FOR THE YEAR ENDING 31ST DECEMBER 1920. DISTRICT OF CUPAR.

NET DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

CAUSE OF DEATH	Under 1 Week	1 and under 2 W'ks	2 and under 3 W'ks	3 and under 4 W'ks	Total under 4 W'ks		3 and under 6 M'ths	6 and under 9 M'ths	9 and under 12 M'ths	Total D'ths under 1 Y'r
All Causes— Certified	8	2	2	2	14	4	4		2	24
Uncertified										
Smallpox Chicken-pox Measles Scarlet Fever Whooping Cough Diphth. and Croup Erysipelas Tuber. Menin. Abdom. Tuberc. Other Tuber. Dis. Menin. not Tuber. Convulsions Pneu. (all forms) Bronchitis Laryngitis Diar. and Enter. Other Dig. Dis. Congenital Mal. Premature Birth Atr., Deb., & Mar. Atelectasis Injury at Birth Suffoc. overlying Syphilis Rickets All other Causes	······································	······································		······································	9 3	······································	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	3 
Total	8	2	2	2	14	4	4		2	24
Net Births in the Market Legitimate Illegitimate Total			264 42 306		N		hs in the timate I timate			23 1 

III.—RETURN OF CASES OF DEATHS, REGISTERED DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF CUPAR.

Population Census 1911, 15523. | Deaths under 1 Year per 1000 Births, 78 Estimated to Middle of 1920, 14998. | Illegitimate Rate (per 100 Total Births) 13.7

Numbers	APA!	TO SE	RATES PER 1000 OF ESTIMATED POPULATION.						
Births (Corrected for Transcripts) , Illegitimate ,, Marriages (Uncorrected) Deaths ,, ,, Transferred out ,, In ,, (Corrected) both Sexes	:::::::::::::::::::::::::::::::::::::::	306 42 98 228 70 24 182	Birth-rate (Corrected for Transcripts) Marriage-rate (Uncorrected) Death-rate—all Causes (Uncorrected) (Corrected for Transfers) (Corrected for Transfers and adjusted for Age and Sex Distrib.) Phthisis (Cor. for Trans.) All Tuber. Prin. Ep. Dis.	20.4 6.5 15.2 12.1 9.8 0.47 0.80 0.27					

#### CAUSES OF DEATH (Corrected for Transfers).

CAUSES OF DEATH	All .	Ages			11		AGE.		-		.00	TOTAL S	
CAUSES OF DEATH	м.	F.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever													
Typhus Fever												**	
Small-pox													
Measles													
Scarlet Fever		1			1							**	
Whooping Cough		.:		.:				• •					
Diphtheria and Croup	.:	1		1	••			.:	.;				1:
Influenza(sole cause spec.)	1	2 2						1	1	.:		.:	1
Erysipelas	.:						.:	2	2	1	1000	1	***
Phthisis, Pul. Tuberc.	3	4					2	500	7				
Tuberculous Meningitis	1	2 2	3				**	***	i		10.00		i
Abdominal Tuberculosis		0.00					**		10.00		**	**	100000
Other Tuberc. Diseases	6	8					• •	i	3	2	i	2	5
Cancer, Malignant Dis.	0	30.733						0.00	1000	1.0276	- 3	1750	1000
Rheumatic Fever	.:	••							i				
Meningitis	11	19					i	i	100	**	6	8	14
Organic Heart Disease Bronchitis	11	3	i								1	1	2
Pneumonia (all forms)	2 3	3		2			2	-		**	王	2	100
Other Dis. of Res. Orgs.		2							::	::			2
Diar. & Entr. (un. 2 yrs.)	i	ĩ	2	**		**				130/6	::		
Appendic. and Typhlitis	î	9		**	i	i			i				
All Liver Dis. (not Mal.)	250	2		100000			- 180					1	
Other Dis. of Dig. Sys.	i	1		**			::					î	1
Nephritis and Br't's Dis.	1	î						i				î	
Puerperal Sepsis													
Other Dis. and Acc. of													
Pregy, and Parturition													
Con. Deb. and Malform.										100	1		
includ. Prem. Birth	11	5	16										
Violent Deaths (ex. Suic.)		4		1			1	1		1	1		2
Suicide		2									1		
Other Defined Diseases	25	40	2	1				1	1 2	2	7	14	36
Dis. Ill-Def. or Unknown	2	3									2	1	2
TOTAL,	73	109	24	5	2	1	6	8	12	7	19	32	66

# County of Fife.

### DUNFERMLINE DISTRICT.

# STATISTICAL TABLES.

- I. NOTIFICATIONS OF INFECTIOUS DISEASE, 1920.
- II. INFANT MORTALITY, 1920.
- III. BIRTHS AND DEATHS, 1920.

 RETURN OF CASES OF INFECTIOUS DISEASE NOTIFIED, ETC., DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF DUNFERMLINE.

Population, Census 1911, 31,403.

Population Estimated to middle of 1920, 33,961.

#### NUMBER OF CASES COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.

				At	Age—Y	ears			Conn	Conn	
DISEASE	At all Ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65		Cases re- moved to Hos- pital	Cases not re- mov'd to Hos- pital	
A.—Notifii	ED UND	ER THE	INFEC	nous I	ISEASE	(Notif	ICATION	ACT,	1889.		
Enteric Fever	3			3					2	1	
Typhus Fever Smallpox											
Scarlet Fever or Scarlatina	116	2	27	69	14	4	::	::	102	14	
Diph. & Mem. Cr.	102	1	28	62	6	5			94	8	previous Hospital ing 1920.
Erysipelas	31		1	5	2	11	9	3	6	25	rio 19
Puerperal Fever	1					1				1	PH B
Total	253	3	56	139	22	21	9	3	204	49	to to
В.— Nоті	FIED IN				ONS MAD			ON 78 0	F THE		removed st time of
Ophthal. Neon.	1 28	28	1	1	1	1	1	1	1 1	[ 27	notified d remov first tin
Chickenpox	108	10	35	61	1	1				108	
Malaria	7				1	4	2			7	Cases year an for the
Dysentery	3	1			1	2	i			3	t a a a
Acute Prim. Pneu.		5	7	17	2	4	4	2	1.4	41	for s
Acute Influ Pneu.	5				3		1	1		5	
Pulmon, Tuberc.	61	1 .:	1	15	15	26	4		27	34	4
Non-Pul. Tuberc.	35	1	9	13	11	1			2	33	1
Total of A and B	542	47	108	245	56	59	21	6	234	308	5

C.—DISEASES TO WHICH THE PROVISIONS OF THE INFECTIOUS DISEASE (NOTIFICATION) ACT HAVE BEEN EXTENDED BY THE LOCAL AUTHORITY.

Cerebro-Spinal Meningitis	1	 	1	 	 	1	
Ant. Polio myelitis		 		 	 		

D.—Notified under Local Provisions, not under the Infectious Disease (Notification) Act, 1889.

NIL.

Names of Hospitals in which Cases were Treated.

DUNFERMLINE DISTRICT JOINT INFECTIOUS DISEASES HOSPITAL. GLENLOMOND SANATORIUM.
MANOR VALLEY SANATORIUM.
BRIDGE OF WEIR SANATORIUM.

NUMBER OF PERSONS RESIDENT IN THE DISTRICT AS AT 31ST DECEMBER 1920 WHO WERE KNOWN TO BE SUFFERING FROM TUBERCULOSIS.

Pulmonary Tuberculosis on Non-Pulmonary Tuberculos Both Pulmonary and Non-I	is only	bercul	osis	225 170 11
Total		 		406

# II.—RETURN OF INFANT MORTALITY FOR THE YEAR ENDING 31ST DECEMBER 1920. DISTICT OF DUNFERMLINE.

NET DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

CAUSE OF DEATH	Under 1 Week	1 and uner 2 W'ks	2 and under 3 W'ks	3 and under 4 Wk's	Total under 4 W'ks	4 Wk and under 3 M'ths	3 and under 6 M'ths	6 and under 9 M'ths	9 and under 12 M'ths	Total D'ths under 1 Y'r
All Causes— Certified	19	5	7	4	35	18	17	8	10	88
Uncertified										
Smallpox										
Chicken-pox							*;		••	1
Coorlet Power							1			1
Whooping Cough	::		1::	1::	::	i	2	**	i	4
Diphth, and Croup		111	1 ::	1						
Erysipelas								1000		
Tuber. Menin	10.0					1				1
Abdom. Tuberc.										
Other Tuber. Dis.										.:
Menin, not Tuber.								.:	1	1
Convulsions Pneu. (all forms)			1		7;	2	2	2 3	2	6 12
Dunnahitta			1 2		1 2	1	2 3	1	2	9
Laryngitis				1						
Diar, and Enter.			1	1.0		3	4	1	1	9
Other Dig. Dis.										
Congenital Mal.	1	1		1	3	1	1			5
Premature Birth	12		3	1	16	.:				16
Atr. Deb., & Mar.	6	3		1	10	5	2		1	18
Atelectasis										
Injury at Birth Suffoc. overlying										
Syphilis				i	i			::		i
Rickets	::		1			111	::	::		
All other Causes		i	i		2		1	i	2	5
Total	19	5	7	4	35	18	17	8	10	88

Net Births in the Year— Legitimate Illegitimate	::	991 58		Net Deaths in the Year— Legitimate Infants Illegitimate Infants	::	83 5
Total		854	13 . 10	Total		88

# III.—RETURN OF CASES OF DEATHS, REGISTERED DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF DUNFERMLINE.

Population Census 1911, 31403. | Deaths under 1 Year per 1000 Births, 84 Estimated to Middle of 1920, 33961. | Illegitimate Rate (per 100 Total Births) 5.5

Numbers	A SUMBAN	RATES PER 1000 OF ESTIMATED POPULATION.	
Births (Corrected for Transcripts) " Illegitimate " Marriages (Uncorrected) Deaths " " Transferred out " In " (Corrected) both Sexes	1049 58 287 335 14 59 380	Marriage-rate (Uncorrected) Death-rate—all Causes (Uncorrected) , (Corrected for Transfers) , (Corrected for Transfers and	30.9 8.5 9.9 11.2 11.6 0.44 0.65 0.85

#### CAUSE OF DEATH (Corrected for Transfers).

CAUSES OF DEATH	All .	Ages	AGE.										
CAUSES OF DEATH	M.	F.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever													
Typhus Fever													
Small-pox	.:	.:	14	.:		••						**	
Measles	2	2	1	3	i								
Scarlet Fever	4	1 4	4	4	100			**			**		
Whooping Cough Diphtheria and Croup	3	4	-	6	i								
influenza (sole cause spec.)			::			::		**	::	100		**	
Erysipelas		1								::			i i
Phthisis, Pul. Tuberc.	9	6		1			6	2	4	2			100
Tuberculous Meningitis	2	2	1	2		1							20
Abdominal Tuberculosis	1						1						
Other Tuberc. Diseases	2							2					
Cancer, Malignant Dis.	11	27						2	4	9	11	6	(
Rheumatic Fever		1										1	
Meningitis	1	1		1			1						
Organic Heart Disease	16	15				1	3		2	5	4	8	8
Bronchitis	13	16	9	*:		*:		**	**	1	4	6	3
Pneumonia (all forms)	21	16	14	7		1		1	1	3	2	5	001
Other Dis. of Res. Orgs. Diar. & Entr. (un. 2 yrs.)	2	7	7	2							1		1
Appendic, and Typhlitis	2	2	1000	1000	3.5				i		i	2	
All Liver Dis. (not Mal.)	ĩ											0.000	i
Other Dis. of Dig. Sys.	8	7	4	3	1	::	i		i	i	3		2
Nephritis and Br't's Dis.	4	4						i	î	2	3	i	
Puerperal Sepsis							1.						
Other Dis. and Acc. of										-			
Pregy, and Parturition		5					2	2	1				
Con. Deb. and Malform.													
includ. Prem. Birth	24	14	38										
Violent Deaths (ex. Suic.)		3		2		1	2	i	7	5	2	2	1
uicide	1	1	::							1	::	22	1
Other Defined Diseases	34	46	10	2		2	3	3	1	9	10	17	28
Dis. Ill-Def. or Unknown	3	6		1				1			1	5	1
TOTAL,	186	194	88	36	2	6	19	15	23	39	42	53	57

# County of Fife.

### KIRKCALDY DISTRICT.

# STATISTICAL TABLES.

- I. NOTIFICATIONS OF INFECTIOUS DISEASE, 1920.
- II. INFANT MORTALITY, 1920.
- III. BIRTHS AND DEATHS, 1920.

I. RETURN OF CASES OF INFECTIOUS DISEASE NOTIFIED, ETC., DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF KIRKCALDY.

Population, Census 1911, 42,027.

Population Estimated to middle of 1920, 49,298

NUMBER OF CASES COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.

		1		DIE	DICAL	DEFICER	OF H	SALTH.			
				At .	Age—Y	ears			Cases	Cases-	
DISEASE	At all Ages	Under 1	1 and under 5	5 and under 15	15 and under 25				re-	not re	
A.—Notifii	ED UND	ER THE	INFEC	rious I	DISEASE	(Notii	ICATION	AOT,	1889.		
Enteric Fever	1			1						1	
yphus Fever											
Smallpox Scarlet Fever or Scarlatina	135	i	23	83	22	4	2	::	125	·iò	~ To
Diph. & Mem. Cr.	172	1	39	118	7	6	1		153	19	oitio
Erysipelas	16		2		2	. 9	3		3	13	vic
Puerperal Fever	1				1					1	previous Hospital
Total	325	2	64	202	32	19	6		281	44	45
B.—Notifi	ED IN T		REGUI					78 OF	THE		Cases notified in year and removed
Ophthal. Neon.	1 4	4	[	1	1	1	1	1	1	3	i re
Chickenpox	93	14	31	48			1			93	SIS
Malaria	4				1	3				4	186
Trench Fever		100		Seed.					4.		Ses
Acute Prim. Pneu.	29	i	2	ii	5	8	2			29	200
Acute Influ. Pneu.	1			1						1	100
Pulmon. Tuberc.	72	1	2	- 8	13	36	11	1	31	41	4
Non-Pul. Tuberc.	43	4	10	15	2	7	4	1	3	40	1
Total of A and B	571	26	109	285	53	73	23	2	316	255	5

C.—DISEASES TO WHICH THE PROVISIONS OF THE INFECTIOUS (NOTIFICATION)
ACT HAVE BEEN EXTENDED BY THE LOCAL AUHTORITY.

Cerebro-Spinal Meningitis	1	 	1	 	 	1	
Ant. Polio myelitis		 		 	 		

D.—Notified under Local Provisions, not under the Infectious Disease (Notification) Act, 1889.

NIL.

Names of Hospitals in which Cases were Treated.

KIRKCALDY DISTRICT JOINT INFECTIOUS DISEASES HOSPITAL. GLENLOMOND SANATORIUM.
WOODBURN SANATORIUM.
KINGUSSIE SANATORIUM.
SICK CHILDREN'S HOSPITAL, EDINBURGH.
BANGOUR HOSPITAL.

NUMBER OF PERSONS RESIDENT IN THE DISTRICT AS AT 31ST DECEMBER 1920 WHO WERE KNOWN TO BE SUFFERING FROM TUBERCULOSIS.

Pulmonary Tuberculosis only				371
Non-Pulmonary Tuberculosis only				127
Both Pulmonary and Non-Pulmonary	Tu	berculos	is	15

Total .. .. .. 513

# II.—RETURN OF INFANT MORTALITY FOR THE YEAR ENDING 31ST DECEMBER 1920. DISTRICT OF KIRKCALDY.

NET DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

CAUSE OF DEATH	Under 1 Week	1 and under 2 W'ks	2 and under 3 W'ks	3 and under 4 Wk's	Total under 4 W'ks		3 and under 6 M'ths	6 and under 9 M'ths	9 and under 12 M'ths	Tota, D'ths under 1 Yr,
All Causes— Certified	36	11	12	2	61	34	18	10	8	131
Certified	30	11	14	-	01	9.4	10	10	0	101
Uncertified										4
Smallpox										
Chicken-pox										
Measles			1			0.			1	1
Scarlet Fever										
Whooping Cough						2	2	2	2	8
Diphth. and Croup										
Erysipelas						1				1
Tuber. Menin						1				1 1
Abdom. Tuberc.								1		1
Other Tuber. Dis.								1		1 1 2 4 8
Menin. not Tuber.						1	1			2
Convulsions	1		1		2	1			1	4
Pneu. (all forms)					1	1	2	3	2	8
Bronchitis	1	1	2	1	5	5	5	1		16
Laryngitis										
Diar. and Enter.			1	1	2	14	6	1	1	24
Other Dig. Dis.				1						
Congenital Mal.	2	1		1	3	1	1			5
Premature Birth	20	4	3		27	1				28
Atr., Deb., & Mar.	5	4	2		11	4				15
Atelectasis	3				3					3
Injury at Birth	2				2					2
Suffoc. overlying										
Syphilis			2		2	2				4
Rickets						1				
All other Causes	2	1	1		4		1	1	1	7
Total	36	11	12	2	61	34	18	10	8	131
Net Births in the Legitimate Illegitimate		1	374 99		N	Legi	ths in the	Infants		. 12

Net Births in the Year— Legitimate Illegitimate	 1374 99	Net Deaths in the Year— Legitimate Infants Illegitimate Infants	 122 9
Total	 1473	Total	 131

# III.—RETURN OF CASES OF DEATHS, REGISTERED DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF KIRKCALDY.

Population Census 1911, 42027. | Deaths under 1 Year per 1000 Births, 89. Estimated to Middle of 1920, 49298. | Illegitimate Rate (per 100 Total Births) 6.7

Numbers				RATES PER 1000 OF ESTIMATED POPULATION.	
Births (Corrected for Transcrip ,, Illegitimate ,, Marriages (Uncorrected) Deaths ,, Transierred out ,, In ,, (Corrected) both Sexes	pts)	:::::::::::::::::::::::::::::::::::::::	1473 99 291 492 64 80 508	Birth-rate (Corrected for Transcripts) Marriage-rate (Uncorrected) Death-rate—all Causes (Uncorrected) (Corrected for Transfers) (Corrected for Transfers and adjusted for Age and Sex Distrib.) Phthisis (Cor. for Trans.) All Tuber. Prin. Ep. Dis.	5.9 $10.0$ $10.3$

#### CAUSES OF DEATH (Corrected for Transfers).

CAUSES OF DEATH	All .	Ages						AGI	В.	. 110	9-16	1000	
CAUSES OF DEATH	M.	F.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever													
Typhus Fever													
Small-pox	.:			.:									
Measles	1			1	i					**		**	
Wheening Clouds	10	3	8	5									
Diphtheria and Croup	6	3		4	3	2		•••	::	**	**	100	
Influenza(sole cause spec.)	2			i						::	::	i	
Erysipelas	2		1						i				
Phthisis, Pul. Tuberc.	11	17			1	1	9	7	8		1		1
Tuberculous Meningitis		2	1	1									
Abdominal Tuberculosis	4	5	1	6	1				1				
Other Tuberc. Diseases	2	2	1	1	1	1							
Cancer, Malignant Dis.	21	17					2	3	2	6	14	9	2
Rheumatic Fever	1		.:	.:	.:			1				***	
Meningitis	6	1:	1	2	2		1	.:			.:	.:	.:
Organic Heart Disease Bronchitis	8 15	15 15	14	3	1		100	1	1	3	8	3 5	6
Pneumonia (all forms)	21	21	6	10	4		6	2	1 2	3	4	4	3 4
Other Dis. of Res. Orgs.	3	7	4	1000	7.53		- 300			2		4	
Diar. & Entr. (un. 2 yrs.)		7	19	2	::	::							*
Appendic, and Typhlitis		4		ī			2	1					
All Liver Dis. (not Mal.)	5	2					1		1		1	4	
Other Dis. of Dig. Sys.	14	13	7	2	1	1		4	2	3	3	3	1
(under 2 years)	Contract of the Contract of th	1000000				200	1100	1000	100			1000	100
Nephritis and Br't's Dis.	10	7	2	1		1		2	4.	2	7	2	
Puerperal Sepsis		1					1						
Other Dis. and Acc. of		10			100		0	-			100	100	
Pregy, and Parturition		10				**	2	5	3	**		**	**
Con. Deb. and Malform. includ. Prem. Birth	27	22	48		1		100	1000			14	1000	
Violent Deaths (ex. Suic.)		9	1	3	1 4	5	4	i	i	4	3	4	2
Suicide	1		1950	1000	13820	10000	1	48000	December 1	10/500	40.00	10000	1900
Other Defined Diseases	50	59	16	3		i	7	3	5	iò	15	20	29
Dis. Ill-Def. or Unknown	5	4	1							1	3	4	
TOTAL,	263	245	131	46	20	12	36	30	28	34	60	63	48

# County of Fife.

### ST ANDREWS DISTRICT.

# STATISTICAL TABLES.

- I. NOTIFICATIONS OF INFECTIOUS DISEASE, 1920.
- II. INFANT MORTALITY, 1920.
- III. BIRTHS AND DEATHS, 1920.

### I. RETURN OF CASES OF INFECTIOUS DISEASE NOTIFIED, ETC., DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF ST ANDREWS.

Population, Census 1911, 42,027.

Population Estimated to middle of 1920, 48,363

#### NUMBER OF CASES COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.

							01 11						
		At Age—Years											
	At all Ages	Under 1	1 and under 5					65 and up- w'rds	Cases re- moved to Hos- pital	Cases not re- mov'd to Hos- pital			
ANOTIF	ED UNI	DER TH	E INFE	TIOUS	DISEASI	E (Noti	FICATIO	N) ACT	, 1889.				
Enteric Fever								1	1	1			
Typhus Fever													
Smallpox													
Scarlet Fever or Scarlatina	38	i	2	24	9	2			36	2			
Diph. & Mem. Cr.	22		2	17	2	1			21	1			
Erysipelas	3					ī	1	1		3			
Puerperal Fever				-									
Total	63	1	4	41	11	4	1	1	57	6			

#### B.—Notified inTerms of Regulations made under Section 78 of the Public Health (Scotland) Act, 1897.

Ophthal. Neon. Chickenpox Malaria Dysentery Trench Fever, Acute Prim. Pneu. Acute Influ Pneu. Pulmon. Tuberc.	3 27 2  19 2 26	3 3	9 4	15   3	1     9	   4 1 12	i i  2  2	:: :: ::	· · · · · · · · · · · · · · · · · · ·	3 27 2  18 1 17
Non-Pul. Tuberc.	5		1	1	1	1	1			5
Total of A and B	147	7	18	60	31	22	7	2	68	79

C.—DISEASES TO WHICH THE PROVISIONS OF THE INFECTIOUS DISEASE (NOTIFICATION) ACT HAVE BEEN EXTENDED BY THE LOCAL AUTHORITY.

Cerebro-Spinal Meningitis	 	 	1	 	 	
Ant. Polio myelitis	 	 		 	 	

NIL.

D.—Notified under Local Provisions, not under the Infectious Disease (Notification) Act, 1889.

NIL.

Names of Hospitals in which Cases were treated.

OVENSTONE JOINT INFECTIOUS DISEASES HOSPITAL. ST MICHAELS JOINT INFECTIOUS DISEASES HOSPITAL. GLENLOMOND SANATORIUM.

Total,

NUMBER OF PERSONS RESIDENT IN THE DISTRICT AS AT 31ST DECEMBER 1920 WHO WERE KNOWN TO BE SUFFERING FROM TUBERCULOSIS.

Pulmonary Tuberculosis only,				40
Non-Pulmonary Tuberculosis only, Both Pulmonary and Non-Pulmonary	Tuber	culosis.	::	44
2011 2 111202111, 11112 2 11112 2 11112			198	_

# II.—RETURN OF INFANT MORTALITY FOR THE YEAR ENDING 31ST DECEMBER 1920. DISTRICT OF ST ANDREWS.

NET DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

CAUSE OF DEATH	under I Week	1 and under 2 W'ks	2 and under 3 W'ks	3 and under 4 Wk's	Total under 4 W'ks	4 Wk and 3 M'ths	3 a nd under 6 M'ths	6 and under 9 M'ths	9 and under 12 M'ths	Tota D'ths under 1 Y'r
		no								
All Causes— Certified	0				0		4	,	2	10
Uncertified	2	1			3	3	1	1	1000	10
Uncertified		••								•••
Smallpox										
Chicken-pox										
Measles										
Scarlet Fever									1	1
Whooping Cough										
Diphth. and Croup										
Diphth, and Cr.										
Erysipelas Fuber. Menin										
Abdom. Tuberc.		**	**						!	**
Other Tuber, Dis.									::	::
Menin. not Tuber.				::				::		
Convulsions							i			1
Pneu. (all forms)										
Bronchitis										
Laryngitis										
Diar. and Enter.						1		1		2
Other Dig. Dis.										
Congenital Mal.	.,				.:					.:
Premature Birth	1				1	.:				1 2
Atr., Deb., & Mar.		1			1	1				
Injury at Birth										
Suffoc. overlying	• •						**			
lymhilia					::	i	::	::	::	i
Rickets	::		::	::	::					
All other Causes	1				1				1	2
Total	2	1			3	3	1	1	2	10

Net Births in the Year—		Net Deaths in the Year—	
Legitimate	 290	Legitimate Infants	8
Illegitimate	 20	Illegitimate Infants	2
Total	 310	otal	10

# III.—RETURN OF CASES OF DEATHS, REGISTERED DURING THE YEAR ENDING 31ST DECEMBER, 1920.

#### DISTRICT OF ST ANDREWS.

Population Census 1911, 15379. | Deaths under 1 Year per 1000 Births, Estimated to Middle of 1919, 14920. | Illegitimate Rate (per 100 Total Births) 6.5

Numbers		RATES PER 1000 OF ESTIMATED POPULATION.	
Births (Corrected for Transcripts Illegitimate Marriages (Uncorrected) Deaths Transferred out In Corrected) both Sexes	::	310 20 91 139 5 14 148	Birth-rate (Corrected for Transcripts) 20.8  Marriage-rate (Uncorrected) . 6.1  Death-rate—all Causes (Uncorrected) 9.3  "(Corrected for Transfers) 9.9  "(Corrected for Transfers and adjusted for Age and Sex Distrib.) 9.3  "Phthisis (Cor. for Trans.) 0.80  "All Tuber. "0.87  "Prin. Ep. Dis. "0.27

#### CAUSES OF DEATH (Corrected for Transfers)

CAUSES OF DEATH	All A	All Ages Age.											
CAUSES OF DEATH	M.	F.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever													
Typhus Fever													
Small-pox			**			**			**				
Cooulet Person	::	i	i								**		
Whooping Cough				::	::	::			1				::
Diphtheria and Croup		1			i								
Influenza(sole cause spec.)								1					
Erysipelas													
Phthisis, Pul. Tuberc.	6	6					2	3	4	2	1		
Tuberculous Meningitis	1			1							-		
Abdominal Tuberculosis			25							1000			
Other Tuberc, Diseases	8	8			.;					i	4	6	4
Cancer, Malignant Dis. Rheumatic Fever	1				1	·i			**	300	0.50	100	8
Meningitis	100000	i		i			1::		**				
Organic Heart Disease	7	10					1	i		i	3	8	4
Bronchitis	3	4								2 2	3 2	8 2	i
Pneumonia (all forms)	3	6					1	2	2	2		1	1
Other Dis. of Res. Orgs.	2 2									8.8		2	
Diar. & Entr. (un. 2 yrs.)	2		2										
Appendic, and Typhlitis	.:										.:		.:
All Liver Dis. (not Mal.)	1	2									2	.:	1
Other Dis. of Dig. Sys. Nephritis and Br't's Dis.	1	2									1	2	
Puerperal Sepsis													
Other Dis. and Acc. of													
Pregy, and Parturition		1							1				
Con. Deb. and Malform.			200	200	1000	200		100	1000	1	22000	10000	1000
includ. Prem. Birth	3	1	4										
Violent Deaths (ex. Suic.)	1	1						1				1	
Suicide	::	::	.:				1 ::	1 ::	1:2	.:	.:	1::	::
Other Defined Diseases	34	28	3		1	2	1	1	2	3	7	13	29
Dis. Ill-Def.or Unknown		3								1	1	1	
TOTAL,	73	75	10	2	3	- 3	4	8	9	12	21	36	40



