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BOROUGH OF MIDDLETON 1946

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1946

J. BROOKS, M.R.C.S., L.R.C.P., D.P.H. Acting Medical Officer of Health.

BOROUGH OF MIDDLETON 1946

HEALTH COMMITTEE.

Chairman:

ALDERMAN T. COATES.

Vice-Chairman:

COUNCILLOR MRS. C. REDFERN.

HIS WORSHIP THE MAYOR-COUNCILLOR MRS. C. FLETCHER, J.P.

ALDERMAN F. L. KAY, J.P.
COUNCILLOR F. BLACKBURN, J.P.
COUNCILLOR T. HALSALL.
COUNCILLOR R. SCOTT.
COUNCILLOR W. STUART.
COUNCILLOR A. WOLSTENCROFT, J.P.

MATERNITY AND CHILD WELFARE SUB-COMMITTEE.

Members of the Health Committee, together with the following Co-opted Ladies:—

THE MAYORESS (MRS. T. HEYWOOD).
MRS. L. BALL.
MRS. ANNE HILTON, J.P.
MRS. F. L. KAY.

BOROUGH OF MIDDLETON

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health and School Medical Officer:

H. L. SETTLE, M.Sc., M.D., Ch.B., D.P.H. (On Military Service until September, 1946.) (Resigned December, 1946.)

Acting Medical Officer of Health:
J. BROOKS, M.R.C.S., L.R.C.P., D.P.H.

Temporary Assistant Medical Officer of Health:
MRS. V. SETTLE, B.Sc., M.B., Ch.B., D.C.H. (Resigned 31.7.46).

Obstetric Consultant:

*R. NEWTON, M.D., M.R.C.O.G. (Resigned November, 1946.)

*E. M. MILLS, M.R.C.O.G., F.R.C.S. (Appointed December, 1946).

Orthopædic Surgeon: ‡Miss M. F. JOHNSTONE, M.B., Ch.B.

> Ophthalmic Surgeon: ‡P. A. HARRY, M.D., B.Ch.

Dental Surgeon: ‡A. E. BUTLER, L.D.S., R.C.S. (England).

> Chief Sanitary Inspector: T. TURNER, M.R.San.I.

Sanitary Inspector: S. HACKING, C.R.S.I.

Health Visitors:

MISS E. M. HARRISON, S.R.N., S.C.M., H.V. Cert. MISS T. DUNSCOMBE, S.R.N., S.C.M., H.V. Cert. MISS H. BOWDELL, S.R.N., S.C.M., H.V. Cert.

Masseuses:

tMiss E. G. LEE, C.S.M.M.G. tMiss D. J. MACGILL, C.S.M.M.G.

Clerical Staff:

MISS E. M. HOWARTH.
MISS A. DEAN.
MISS J. M. JACKSON.
MISS M. LOMAS.

^{*}Part-time Officer.

[‡]Part-time Officers employed by the School Medical Committee, but whose services are available for Maternity and Child Welfare Cases.

HEALTH CENTRE,

DURNFORD STREET,

MIDDLETON,

November, 1947.

To the Chairman and Members of the Health and Maternity and Child Welfare Committee.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit the Annual Report on the Health of the Borough of Middleton for the year 1946.

As you are aware, the Health Services were under the charge of Dr. Settle for the period under review, and I present for your consideration a complete survey of the work of the Department.

I wish to express my thanks to Miss Howarth and the Staff of the Department for their valuable help in the compilation of this report.

I am,

Ladies and Gentlemen,

Your obedient Servant,

J. BROOKS,

Acting Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS.

GENERAL STATISTICS. TABLE I.

Area of the Borough (acres)					5,170
Population at Census, 1931					29,188
Registrar-General's estimated	residen	t popul	lation (mid-	
year 1946)					30,160
Number of Persons per acre					5.83
Number of Inhabited Houses					10,250
Rateable Value at 1st April, 1	946				£165,069
Sum represented by a Penny l	Rate				£666

VITAL STATISTICS.

TABLE II.

	Total	М.	F.	
LIVE BIRTHS :-				
Legitimate	530	290	240	Birth-rate per 1,000
Illegitimate	40	21	19	estimated population mid-1946 18.8
Total	570	311	259	mass signers
STILL-BIRTHS	18	II	7	Rate per 1,000 total (live and still) births
DEATHS	359	176	183	Death-rate per 1,000 estimated population II.9
Deaths from puerpe	eral caus	es :—	Deaths	Death-rate per 1,000 total (live and still) births
Puerperal and post	-abortiv	e sepsis	Nil.	Nil.
Other maternal cau	ses		· I	1.70
Total maternal mor	tality		I	1.70

Death	rate o	of infants under one year of	age :-		
		nts per 1,000 live births			 49
L	egitim	ate infants per 1,000 legitin	nate live	births	 47
II	legitin	nate infants per 1,000 illegit	imate liv	ve births	 75
Death	s from	Cancer (all ages)		****	 63
,,	- ,,	Measles (all ages)			 Nil.
,,	,,	Whooping Cough (all ages)			 Nil.
,,	,,,	Diarrhœa (under 2 years o	f age)		 5

POPULATION.

The Registrar-General's estimate of population for the year 1946 is 30,160, which is 1,870 in excess of the estimated population for 1945 and 972 more than the Census population for 1931.

BIRTHS.

570 live births were assigned to the Borough, representing an annual birth rate of 18.8 per 1,000 of the population, compared with the figure of 19.1 for England and Wales and 21.3 for the 148 smaller towns. The annual birth rates for the past 40 years are shown in Table IV.

DEATHS.

The number of deaths for Middleton during 1946 was 359, giving a crude death rate of 11.9 per 1,000 of the population, compared with 11.5 for England and Wales and 11.7 for the 148 smaller towns.

The age and ward incidence are shown in Table III.

TABLE III. Age and Ward Incidence of Deaths occurring in 1946.

U	nder							75	and	
Ward.	I	I -	- 2 -	- 5 -	- 15 -	-25 -	-45-		ip- T	otal
								W	rards	
North	7		-	2	_	4	26	II	16	. 66
Central	3	-	I	-	-	8	12	21	13	. 58
South	5	-	I	-	I	7	26	23	2I	. 84
East	8	_		_	4		14	12	16	. 61
Parkfield.	I	-		I	-	2	12	16	13	. 45
West	4	-	2	I	-	I	II	10	16	. 45
Total	28	_	4	4	5	29	IOI	93	95	359

The zymotic death rate was 0.19 per 1,000 of the population compared with 0.00 for 1945.

The maternal mortality rate was 1.70 per 1,000 total (live and still) births. This is also an increase on the previous year when no maternal deaths occurred.

Infant mortality showed 49 per 1,000 live births as compared with 38 in 1945. The comparative rate for England and Wales is 43 and for the 148 smaller towns 37.

The cancer death rate of 2.09 remains high, the corresponding figure for England and Wales being 1.7 per 1,000 of the population, whilst the tuberculosis death rate was 0.69 as compared with 0.53 in 1945.

Comparative death rates for various diseases for the past 40 years are shown in Table IV and the classified causes of death in 1946 are given in Table V.

TABLE IV.

TABLE IV.												
- 1-	D' 41	C 1	7	Infant	C	Tuber-						
	Birth	Crude	Zymotic	Mor-	Cancer	culosis						
Year	Rate	Death	Death	tality	Death	Death						
		Rate	Rate	Rate	Rate	Rate						
1907	21.6	16.7	2.0	140	I.I	1.9						
1908	22.8	16.1	1.85	153	1.0	1.9						
1909	23.1	14.6	0.6	114	0.98	1.6						
1910	24.2	14.6	1.4	100	0.78	1.2						
1911	23.0	16.6	2.5	181	0.57	1.5						
1912	21.4	15.1	0.6	117	0.74	1.7						
1913	21.0	12.8	0.28	98	0.66	1.0						
1914	19.8	14.6	1.6	126	1.18	1.5						
1915	17.5	16.1	0.64	93	1.2	1.47						
1916	15.8	14.2	0.81	79	I.I	1.59						
1917	14.5	15.3	0.93	114	1.52	1.76						
1918	13.0	17.2	0.90	80	1.37	1.49						
1919	14.0	14.0	0.54	76	1.29	0.90						
1920	22.6	12.3	1.00	90	1.2	1.25						
1921	19.4	13.3	0.69	78	1.2	1.21						
1922	17.5	13.1	0.38	72	1.34	1.14						
1923	14.7	12.3	0.51	72	1.24	0.87						
1924	15.2	12.6	0.34	54	1.68	0.93						
1925	13.3	14.1	0.58	95	1.38	0.90						
1926	15.3	12.6	0.21	57	1.30	0.91						
1927	14.2	13.0	0.41	63	1.55	0.55						
1928	14.6	11.2	0.07	63	1.17	0.75						
1929	14.1	17.1	1.08	96	1.28	0.91						
1930	14.7	11.4	0.23	46	1.59	0.67						
1931	13.2	14.8	0.40	99	1.69	0.67						
1932	14.0	12.9	0.51	80	1.47	0.65						
1933		14.2	0.27	61	1.89	0.62						
1934	13.7	12.6	0.24	53	1.76	0.48						
1935		14.2	0.06	35	1.54	0.89						
1936	14.3	14.4	0.30	52	1.88	0.72						
1937	13.2	12.9	0.03	51	1.27	0.30						
1938	13.6	12.5	0.23	59	1.96	0.50						
1939	15.2	13.6	0.10	46	1.77	0.36						
1940		14.0	0.10	56	1.27	0.43						
1941	15.7	13.7	0.10	41	2.13	0.77						
1942		13.5	0.17	57	2.01	0.45						
1943		13.9	0.21	61	1.91	0.35						
1944	21.3	14.8	0.25	53	2.07	0.57						
1945	15.6	13.4	0.00	38	2.05	0.53						
1946	18.8	11.9	0.19	49	2.09	0.69						

TABLE V. Causes of Death, 1946.

	auses	or Dea	tn, 1	340.			
				Males I	emales	;	Total
Typhoid and Paratypho	oid Fev	rers		_	I		I
Cerebro-spinal Fever				_	-		
Scarlet Fever				_	_		-
Whooping Cough				-			
Diphtheria				-	1		-
Tuberculosis of Respira	tory Sy	ystem		12	5		17
Other forms of Tubercu	losis			4	-		4
Syphilitic Diseases				2	2		4
Influenza				-	2		2
Measles				_			
Acute Poliomyelitis and	Polio-	encepha	alitis		-		_
Acute Infectious Encep	halitis			_	_		_
Cancer				29	34		63
Diabetes				_	I		I
Cerebral Hæmorrhage				13	27		40
Heart Disease				55	55		IIO
Other Circulatory Disea	ises			2	9		II
Bronchitis				10	9		19
Pneumonia				7	9		16
Other Respiratory Dise	ases			4	_ ,		4
Peptic Ulcer				5	-		5
Diarrhœa under 2 years	S			3	2		5
Appendicitis				I	I		2
Other Digestive Disease	es			2	2		4
Nephritis				2	7		9
Puerperal Sepsis				-	_		_
Other Maternal Causes				_	I		I
Premature Birth				3	I		4
Congenital Malformatio	ns, Bir	th Inju	ry,	100			
etc				3	5		8
Suicide				4	2		6
Road Traffic Accidents				I	2		3
Other Violence				2	I		3
All other Causes				12	5		17
				-		-	
Total	• • •			176	183		359
				-	-	-	-

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1. STAFF.

Full details of the Staff of the department are given at the beginning of this report.

2. LABORATORY FACILITIES.

The complete facilities of the University of Manchester Department of Bacteriology and Preventive Medicine, at the Public Health Laboratory are available and are fully utilized.

During 1946 the following specimens were submitted for examination:—

TABLE VI.

Throat Swabs			39
Blood for Agglutination			2
Fæces for Bacteriological examina	ation		5
Ice Cream for B. Count, etc			4
Milk samples :			main
(a) Methylene Blue		 29	
(b) Guinea Pig inoculation—		28	
		_	57
Water:-			-,
Bacteriological examination		 5	
		 5	
		-	IO
		-	
			117
		-	

3. AMBULANCE FACILITIES.

Two ambulances are provided by the Borough Council for the . removal of non-infectious cases, medical, maternity or accident. The control and supervision of the ambulance service was transferred to the Medical Officer of Health on the 1st November, 1946.

In addition, a certain number of cases from Boundary Park General Hospital are transported by the ambulances of the Oldham and District Joint Ambulance Board. During the year 1946 the following cases were conveyed by the above vehicles:—

Accident cases	 	 	 146
Medical cases	 	 	 713
Deaths	 	 	 13
Sudden illness	 	 	 31
Maternity cases	 ***	 	 II
Removals	 	 	 18
	Total	 	 932

For the removal of cases of infectious diseases to Isolation Hospitals, a special ambulance is maintained by the Health Department. During the year, 27 cases were removed by this ambulance. In addition, the Rochdale County Borough ambulance removed two infectious cases from the Borough to Marland Isolation Hospital.

4. HOSPITAL ARRANGEMENTS.

There are no hospitals situated within this Borough, which is, however, well served by numerous institutions in the surrounding areas. General medical and surgical cases receive attention at the Voluntary Hospitals in Manchester, Oldham and Rochdale, and also at Boundary Park General Hospital, Oldham. Maternity cases are admitted to Boundary Park Hospital, Oldham, St. Mary's Hospital and North Manchester Maternity Home, Manchester, Arrangements for hospital treatment are usually made by the patient's own doctor, but the Local Authority has now completed financial arrangements for the treatment of approved admissions for confinement to St. Mary's Hospitals, Manchester.

5. HOME AND DOMESTIC HELP SERVICE.

One full time and one part time help were regularly employed during the year, 34 homes being attended for varying intervals.

MATERNITY AND CHILD WELFARE.

Notification of Births.

Under Section 203 of the Public Health Act, 1936, 585 live births and 19 still-births were notified during 1946.

Midwifery and Maternity Services.

The liaison established in 1943 between these services continues and the County Council midwives attend and are responsible for the running of one weekly ante-natal clinic.

Owing to the increased attendance it was found necessary to hold an additional weekly ante-natal clinic and this was commenced in October, 1946. The Health Visitors attend and run this second session.

Only one maternal death occurred during 1946.

Ante-Natal Service.

266 women made 1,254 attendances at the ante-natal clinic, of whom 26 were referred to St. Mary's Hospitals, Manchester, and Boundary Park Hospital, Oldham, and where eleven were subsequently confined.

Post-Natal Service.

No "ad hoc" clinic has been established but 20 women made 25 attendances at the ante-natal clinic and received advice and treatment from the obstetric consultant.

Infant Welfare.

The clinic services relating to child welfare, after the upheaval they suffered during the earlier war years, and despite the deplorable accommodation available at the district clinics, go on from strength to strength. More and more mothers continue to make use of the services and, as will be seen from Table VII, the number of infants under one year of age making their first attendance at the welfare centres represented almost 61 per cent. of the total births for the year, being an increase of 10 per cent. over the figure for 1938. Infant deaths, classified according to age and cause of death, are shown in Table VIII.

The attendances, especially at the Durnford Street welfare centre, reached dimensions that threatened to reduce the efficiency of the work carried out and, with the concurrence of the Committee, an additional weekly session was instituted at that centre early in 1946.

Table VII. gives a record of work carried out at the centres and in the homes by the health visitors.

War-time Day Nurseries.

The War Time Day Nursery at Sunny Brow ceased to be the responsibility of the Health Committee on the 31st March, 1946, when it was handed over to the Lancashire County Council. It is now running as a Nursery School under that Authority.

SPECIAL TREATMENT CLINICS.

Sunlight Therapy.

This clinic continues to be held thrice weekly. 178 school children, 92 pre-school children and three adults made 3,936 attendances during the year.

Orthopaedic Clinic.

A consultative session attended by Dr. Johnstone was held every second month, when 116 school children and 61 pre-school children made 221 attendances. In addition, three remedial sessions are held weekly by the orthopædic nurses. It has now proved possible to hold small classes at Durnford Street Clinic at which the orthopædic nurse gives group instruction in exercises devised to remedy minor postural and foot defects.

396 children made a total of 1,763 attendances at the Orthopædic Clinic.

Ophthalmic Clinic.

Sixty-four pre-school children and 381 school children attended the fortnightly Ophthalmic Clinic, making 660 attendances in all.

Dental Clinic.

Twelve pre-school children and 947 school children made 1,834 attendances for advice and treatment. Five expectant or nursing mothers attended for advice and treatment and the small numbers attending are, in my view, related solely to the fact that the service is not yet adapted to meet this class of work.

TABLE VII. CHILD WELFARE CLINICS.

Number of children who attended for the first time	1938	1939	1940	1941	1942	1943	1944	1945	1946
during the year and who, on the date of their first attendance were:—									
(1) Under 1 year of age	205	229	206	260	242	284	351	285	345
(2) Between the ages of 1 and 5 years	67	64	34	59	52	25	45	32	46
Percentage of notified births represented by the num- ber of children who on the date of their first attend- ance were under one year									
of age	51.00	50.32	46.19	55.56	53.19	58.44	58.60	64.19	60.53

Child Welfare Clinics—Table vii—(contd.)

	1938	1939	1940	1941	1942	1943	1944	1945	19468
Number who attended and at the end of the year were :-									1
(1) Under 1 year of age	170	184	184	229	210	218	328	242	3300
(2) Between the ages of 1 and 5 years	441	448	397	410	379	291	382	469	531
Number of attendances by children:—									
(1) Under 1 year of age(2) Between the ages of 1	3611	4106	4602	5427	4438	4549	5636	5053	5678
and 5 years	4506	3854	4404	3586	1639	1288	1687	1713	197
Ante-Natal Clinics.									
Number of expectant mothers attended	155	134	71	132	91	119	239	176	266
Number of attendances by expectant mothers	546	367	196	402	124	471	1054	905	1254
Percentage of total notified live and still births repre- sented by the number of expectant mothers who attended the Ante-Natal									
Climin	0001	00 00	15 04	00 00	10.00	23.47	90 74	38.18	45 044
Clinics	36.21	28.63	15.34	26.83	19.20	20.41	00.14	38.18	40.248
Clinics	36.21	28.03	10.34	20.83	19.20	20.41	35.74	30.15	95). Z9H
Gynaecological and Post				26.83	19.20	20.47	35.74	36.18	40.248
				7	4	23.47	11	22	24
Gynaecological and Post	-Nata	l Clin	ics.						
Gynaecological and Post Number of mothers attended	-Nata	l Clin	ics.	7	4	2	11	22	24
Gynaecological and Post Number of mothers attended Number of attendances	-Nata	l Clin	ics.	7	4	2	11	22	24
Gynaecological and Post Number of mothers attended Number of attendances Health Visiting.	-Nata	l Clin	ics.	7	4	2	11	22	24
Gynaecological and Post Number of mothers attended Number of attendances Health Visiting. (1) To expectant mothers : First visits	-Nata 14 17	6 6 57	3 3 31	7 7 25	4 4	2 4	11 15	22 28	244 293
Gynaecological and Post Number of mothers attended Number of attendances Health Visiting. (1) To expectant mothers : First visits Total visits 2) To children under 1 year	-Nata 14 17 58 423	6 6 57	3 3 31	7 7 25	4 4	2 4	11 15	22 28	244 293
Gynaecological and Post Number of mothers attended Number of attendances Health Visiting. (1) To expectant mothers : First visits Total visits 2) To children under 1 year of age :— First visits First visits	-Nata 14 17 58 423	6 6 57 498	31 225	7 7 25 187	23 153	2 4 6 54 435	11 15 11 72	22 28 17 63	244 291 764 2323

TABLE VIII.

INFANT DEATHS, 1946.

Cause of death.								3-66		Total
			citty	days	17 24.0.		III ello.		ileiis.	Local
Prematurity .			I	I	-	4	-	-	-	4
Spina Bifida ar										
Hydrocephal	us	-	-	-	2	2	-	-	-	2
Cong. Heart										
Disease .		-	-	-	-	-	I	-	-	I
Pneumonia .		-	-	-	-	-	I	3	I	5
Bronchitis .		-	-	- 1	-	-	-	I	_	I
Gastro-Enteriti	S	-	_	-	I	I	4	_	_	5
Melæna										
Neonatorum.			-	I	-	I		-	-	I
Intussusception		-	-		-	-	-	I	-	I
Weak Baby .			I	-	-	I	-	-	-	I
Nephritis .			-	-	-	_	-	I	-	I
Other causes .			I	I	I	5	-	I	-	6
Total .		4	3	3	4	14	6	7	I	28
	-									

GENERAL HEALTH SERVICES.

Scabies Treatment Clinic.

During the year the incidence of Scabies lessened but the facilities at the Health Centre continue to be fully used.

Affected persons, including all family contacts, are offered treatment at the Health Centre, and a good response has been obtained. Where adequate bathing facilities are available at home, suitable preparations and instructions in their use are supplied, and the patients are kept under supervision. Where home facilities are unsatisfactory, the treatment is carried out by the Health Visitors at the Health Centre. The local Medical Practitioners have co-operated and have referred cases to the Clinic for treatment. Details of the number of individuals, including family contacts, treated are as follows:—

TABLE IX.

Age Distribution.

	Treated at Home.	Treated at Clinic.	Treated elsewhere e.g., Hospital.	Total
Pre-school Schoolchildren	8	20 78	3	31 85
Adults	66	62	5	133
Total	78	160	II	249

The preparations used are Ascabiol and Sulphur.

Verminous Conditions.

Attention to louse infestation has continued throughout the year. Most of these cases are discovered amongst the school populace, and wherever possible adult and pre-school contacts are also examined and advised regarding treatment. During the year the following cases were dealt with at the Health Centre:—

TABLE X.

Cleansed at Clinic.

Pre-scho	ool child	ren	 	 	_
School c	hildren		 	 	24
Adults			 	 	-
					24
					Towns S

SANITARY CIRCUMSTANCES OF THE AREA, ETC.

SEWAGE DISPOSAL.

The Sewage from this Borough is treated by Manchester Corporation.

WATER SUPPLY.

The town is supplied with water by the Heywood and Middleton Joint Water Board. The supply is upland surface water, of good quality. Details of the catchment area and reservoir installations have been given in previous reports.

1,663 yards of mains were laid during the year for housing development.

No. of houses supplied by the Joint Board ... 10,383 No. of baths in Borough ... 5,287

During the year the following examinations were made, and the results were satisfactory in all cases.

(a) Raw Water—Bacteriological 9
Chemical 3
(b) Water going into supply where treatment is installed—
Bacteriological 16
Chemical 1

Chlorination of the water is in operation, the dosage being 0.2 parts per million.

Precautions taken to prevent contamination by lead include, addition of chalk to saturation point in raw water, followed by sedimentation, filtration and further addition of Soda Ash.

A small number of outlying farms have independent water supplies from wells.

SANITARY SERVICES.

Closet Accommodation.

The following is a list of the types of closets existing in the Borough at the end of the year:—

TABLE XI.

Privy middens		 		 63
Pail closets		 		 211
Waste-water cle	osets	 	***	 2,886
Fresh-water clo	sets	 		 6,122

Refuse Collection and Disposal.

Refuse collection and disposal is carried out by the Cleansing Department. An efficient Salvage Plant and Destructor are available. The following information has been supplied by the Chief Sanitary Inspector who is also Cleansing Superintendent.

Refuse Collection.

The work of refuse collection was again handicapped during the year 1946 owing to shortages of labour and transport difficulties.

Early in March a 1938 model Ford motor vehicle which had become worn-out was taken out of service, and it was not possible to obtain delivery of a replacement vehicle until October, when an ex-W.D. Chevrolet wagon was purchased.

There are approximately 6,758 movable ashbins, 1,384 ashpits, 354 wall-type dustbins and 211 pail closets in the Borough. Ashbins and pail closets are emptied weekly and ashpits fortnightly.

. The majority of the pail closets are in connection with premises in the villages of Bowlee and Birch which are not sewered.

The net cost of Refuse Collection for the financial year ended 31st March, 1947, was £5,211.

Refuse Disposal.

Of the refuse collected, 6,835 tons was dealt with at the Separation and Salvage Plant and 356 tons was dealt with by tipping.

The cost of Refuse Disposal for the year amounted to £1,012.

TABLE XII.

Income from Sales of Salvage.

DALLO AL DALL DULL		 5					
		T.	C.	Q.	£	S.	d.
Waste paper		 147	9	2	941	4	6
Light scrap		 27	5	3	13	12	9
Baled scrap		 128	0	0	211	3	-
Bottles, jars		 3	7	I	9	13	I
Textiles		 9	12	0		II	0
Bones		 2	7	3	12	16	3
Kitchen waste		 148	7	3	222	II	7
Broken glass		 19	0	0	16	12	5
Screened fuel		 472	18	I	210	14	4
Screened dust	.,.	 3515	6	I		-	
Total		 4473	14	2	£1697	19	IO

TABLE XIII. SANITARY INSPECTION OF THE AREA.

The following tables give details of the various inspections carried out by the Sanitary Inspectors during the year:—

carried out by the Sanitary Inspectors during	the ye	ear:—
RECORD OF INSPECTIONS. Public Health Act, 1936.		Inspections made, etc.
Drainage work		315
Refuse removal		347
Water samples taken		10
Tents, vans, sheds, etc		2
Stables, piggeries, etc		15
Schools	A	24
Common lodging houses		35
Houses let in lodgings		28
Houses		1347
Manure dumps		3
Investigation and removal of patients	1000	,
Infectious diseases		363
Disinfection		7
Verminous conditions and disinfestation		II.
Miscellaneous visits and re-visits		107
Miscellaneous visits and re-visits		10/
Total		2614
Housing Act, 1936.		sland.
Housing defects		14
Measured for permitted number		2
Investigations overcrowding		III
Miscellaneous visits and re-visits		8
Total		
Total		135
Food and Drugs Act, 1938.		
Samples taken—Milk designated, for Bact		10
Milk ordinary, for Bacte	ria	29
Ice cream		4
Food preparing etc. premises		92
Dairies		15
Cowsheds		4
Markets and shops		87
Unsound food		93
Miscellaneous visits and re-visits		63
Total		397

Factories Act, 1937.				Inspections made, etc.
Factories with power				 27
Bakehouses				 10
				- r
Total				 37
Shops Acts.				
Hours of closing				 Nil.
Health, etc. (Sec. 10)				 Nil.
Diseases of Animals Ac	ts.			 53
Rats and Mice (Destruc	tion)	Act.		
Rat infestation			1	 1069
Mice infestation				 185
				_
Total				 1254
				_
Miscellaneous Visits.				
Re-inspection where n	otices	in force		 906
Interviews with owner				 264
Works in progress				 66
Public conveniences				 89
Meetings				 36
Tip and salvage depot				 642
Salvage and refuse col	lection			 135
Air raid shelters				 21
Other visits				 65
Total				
Total				 2224
			Bly	
Total Number of Visits				 6714
Complaints.				
Number of complaints	durin	g the v	ear	705
Transce of complaints	durin	5 the y	cui	 705
Notices.				
Informal notices served	d			 643
Informal notices comp		ith		 588
Statutory notices serve				 15
Statutory notices comp				 7
				,

TABLE XIV.

Work carried out in compliance with Notices.

Danier desert				440
			 	154
Drains repaired or re-co	nstruct	ted	 	26
Rainwater pipes repaire			 	17
New water-closets insta	lled		 	
Water closets repaired			 	115
Eaves-gutters repaired			 	25
Sinks provided			 	5
Bins provided			 	91
Roofs repaired			 	100
Other nuisances abated			 	158
Plasterwork repaired			 	48
Skirting boards repaired	1		 	2
Rising dampness remed	ied		 	II
Fire-ranges repaired			 	37
Floors repaired			 	17
Sash-cords repaired			 	48
Dampness remedied			 	248
Waste pipes remedied			 	30
Doors repaired			 	27
Wash boilers repaired			 	2

TABLE XV.

FACTORIES ACT, 1937.

Defects found	 	3		
Notices served :-				
(a) Sanitary defects	 	-	Remedied,	_
(b) Other defects	 	3	,,	3

TABLE XVI. ERADICATION OF BED BUGS.

(a)	No. o	of Council houses found to be infested	3
	,,	,, ,, disinfested	3
(b)	No. o	f other houses found to be infested	4
		disinfested	4

INSPECTION AND SUPERVISION OF FOOD. TABLE XVII.

(a) MEAT AND OTHER FOODS CONDEMNED.

Stewed Steak, I qr. 2 lbs.; Meat and Vegetable Ration, 14 lbs.; Beef and Vegetable, I lb.; Mutton and Vegetable, I lb.; Ox Tongue 6 lbs.; Luncheon Meat, 4½ lbs.; Chopped Ham, ¾ lb.; Lamb Tongues, 13 lbs.; "Kam", 12 lbs.; Beef Links, 13 lbs.; "Prem", 31 lbs.; Steak and Kidney Pudding, 2 lbs.; Potted Meat, 1 lb.; Salmon, 9\frac{3}{4} lbs.; Pilchards, 1 qr., 19\frac{1}{4} lbs.; Crawfish, \frac{3}{4} lb.; Herring, 5 lbs.; Sild, \(\frac{3}{4}\) lb.; Brisling, \(\frac{1}{4}\) lb.; Sardines, \(\frac{3}{4}\) lb.; Soup, 4 lb.; Apricot, 27 lbs.; Peas, 2 grs. 25 lb.; Carrots, 41 lbs.; Beans, 1 gr. 14 lbs.; Soya Extract, 2 qrs.; Beetroot, 7 lbs.; Spaghetti, 1 lb.; Semolina, I cwt. I qr.; Figs, 3 cwts. 2 qrs.; Onions in brine, 2 tons 4 cwts.; Cucumber in Brine, 9 tons 14 cwts.; Grape Fruit Pulp, I ton, 19 cwts.; Orange Pulp, 4 tons. 2 cwts.; Strawberry Pulp, 6 cwts.; Blackberry Pulp 18 tons, 6 cwts.; Plum Pulp, 6 cwts.; Apricot Kernels, 12 cwts.; Orange Shred, 15 cwts.; Jam. 3 cwts. 3 qrs. 24 lbs.; Marmalade, 2 lbs.; Red Plum, 5 lbs.; Corned Beef, 2 cwts. I qr. 12 lbs.; Evaporated Milk (113 tins), 3 qrs. 18½ lbs.; Household Milk, I tin; Pork Sausage, 14 tins; Eggs, 36.

TABLE XVIII.

(b) MILK SUPPLY.

Milk and Dairies Order, 1926.

No.	of	Cowkeepers registered in the district	 60	9
No.	of	Retail Milk Sellers registered	 34	4
No.	of	Cowshed Inspections during the year	 86	6

Samples of milk were taken from producers and retail purveyors of milk for examination by the methylene blue test with the following results:—

TABLE XIX.

Satisfactory	 	 	 23
Unsatisfactory	 	 	 6

Twenty-eight samples of ordinary milk were submitted for biological test for Tubercle Bacilli. One was found to contain Tubercle Bacilli, the remainder being satisfactory.

Milk (Special Designations) Orders 1936 and 1938.

The Lancashire County Council is the Licensing Authority under the above Orders with respect to the production of "Accredited" and "Tuberculin Tested" Milk, and the following licences have been issued and are at present in force in the Borough:

No. of Licences to produce "Tuberculin Tested	d" Milk		Nil.
(a) To produce only			"
(b) To produce and bottle			,,
No. of Licences to produce "Accredited" Milk			3
(a) To produce only			
(b) To produce and bottle			3
Licences to dealers in Designated Milk were Local Authority, as follows:—	issued	by	the
No. of Licences to deal in "Pasteurised Milk"			I

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Epidemiologically little untoward occurred during 1946. No disease was epidemic in nature, though measles and whooping cough were fairly prevalent.

Table XX shows the number of cases occurring amongst the individual diseases, the number removed to hospital and the deaths occurring in hospital.

Total Cases Notified.

TABLE No. XX.

Infectious Dise	ases.		No.	Removed to Hospital.	Deaths in Hospital.
Scarlet Fever			30	15	_
Diphtheria			5	5	-
Pneumonia			39	3	10
Ophthalmia Neonator	um		2	2	_
Puerperal Pyrexia			I	I	_
Paratyphoid			I	I	-
Measles			IIO		
Whooping Cough			274		_
Dysentery			I	_	_
Cerebro-Spinal Fever			I	I	V
		-		_	
			464	28	IO
		-		_	_

Scarlet Fever.

The incidence of scarlet fever continued to fall during 1946 when 30 cases only were notified. The cases were scattered over the whole of the borough and over the whole of the year and the disease generally was mild in character. No death occurred.

Diphtheria.

Only five cases of diphtheria occurred during the year and all recovered.

The scheme of immunisation continues to function actively and 334 children were immunised through the local authority's scheme whilst a further 67 children were known to have been immunised by private practitioners. In addition, 311 children immunised some years previously received a re-inforcing inoculation during the year.

It is estimated that at the end of 1946, 57.2 per cent. of children under 5 years of age and 77.2 per cent. of children between the ages of 5 and 15 years were immunised against diphtheria. Table XXI. shows the progress of the scheme since its inception.

Whooping Cough.

Two hundred and seventy-four cases occurred during the year, 72.99 per cent. being under five years of age. The whole of the borough was involved, the cases occurring mostly during the Summer months. No death occurred.

Measles.

One hundred and ten cases of measles occurred mainly in the last quarter of the year. The South Ward was principally involved. No death occurred.

TABLE No. XXI. DIPHTHERIA IMMUNISATION: Persons Inoculated each year from 1936—1946.

							1 (130	113 1	пос	mate	u C	acm	year	110	ALL	1930	LU	70.				
Age at date of	1936 19		193	1937 1938		1939		1940		1941		1942		1943		1944		1945		1946			
inocu- lation	*1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1 .	2	
Under 1	-	-	-	-	-	-	-	_	_	_	2	1	_	14	4	8	15	14	9	26	23	18	Total inoculated under five years on 31st Dec., 1946: 1,033.
1	-	-	-	-	_	-	_	-	1	_	22	29	36	80	40	66	65	85	101	126	94	75	
11/2	-	1	-	-	1	1	-	3	1	7	23	12	19	47	9	21	17	25	19	8	18	10	
2	1	-	-	-	-	-	3	1	_	_	33	15,	11	41	13	19	5	15	12	11	11	6	
21/2	1	-	1	-	-	1	_	-	_	_	42	15	13	54	5	6	4	5	5	10	11	4	
3	-	-	-	1	-	2	1	2	_	_	30	13	12	44	9	6	3	7	6	1	4	2	
31/2	-	1	-	2	-	1	-	-	_	1	34	. 9	11	38	4	7	4	5	3	10	5	5	
4	1	-	1	1	1	1	1	-	1.	1	40	14	12	37	4	14	1	4	4	-	2	2	
41	1	1	2	1	-	1	1	-	-	-	41	15	8	33	6	8	3	8	2	3	5	2	
5	1	-	1	-	-	1	1		1	3	41	18	16	54	9	11	5	12	-	3	3	3	
51	-	-	-	-	-	-	-	-	_	_	52	19	15	44	6	16	5	13	3	5	6	4	
6	-	1	2	ī	-	1	-	2		_	39	11	17	43	6	12	5	10	_	3	1	2	
67	1	-	-	-	-	-	-	-	_	-	48	9	22	44	6	6	-	6	5	1	2	_	
7	1	2	2	2.	1	2	_	-	-	-	43	12	23	30	6	12	1	6	5	2	_	1	
71/2	-	-	-	2	1	-	1	-	1	-	30	11	19	27	3	7	1	5	2	1	2		
8	-	1	2	-	-	-	-	-	_	_	36	12	13	28	5	9	1	5	_	1	-	-	Total
81/2	-	-	2	1	-	-	1	-	-	_	32	5	17	27	3	13	1	11	1	-	1	_	inoculated aged 5-14
9	-	-	-	-	-	1	-	1-	1	1	27	10	19	33	1	8	1	7	3	1	1	_	years on 31st Dec.,
91/2	1	1	-	-	1	-	-	-	_	_	39	12	26	26	5	9	2	5	_	-	2	3	1946 : 2,646.
10	-	-	1	-	-	1	-	-		_	24	3	21	30	9	11	_	2	2	1	_	-	-,
101	-	-	-	-	1	-	-	-	_	1	29	4	-14	26	5	10	2	6	_	_	_		
11	-	-	-	1	-	-	1	-	-	_	33	4	22	31	6	20	_	3	_	_	_	1	
11½	-	-	-	-	-	-	-	-	_	-	26	8	18	36	1	9	1	9	1	-	1	-	
12	-	-	-	-	-	-	-		-		29	11	8	30	2	10	_	12	1	1	1	_	
121	-	-	-	-	-	-	-	_	_	_	23	1	16	25	1	5	2	2	1		3	_	
13	1	-	-	-	-	-	-	-	_	-	29	9	18	16	3	8	1	9	3	1			
131/2	-	-	-	-	-	-	-	-	_	_	33	5	16	25	5	3	1	11	-		-	_	
14	-	-	-	-	-	-	-	_	-	-	6	_	_	4	2	1	-	2	1		_	_	
141/2	-	-	-	-	-	_	-	-	-	-	_	1	-	-	1	_	-		_	二	_	_	
																							Total inoculated aged 15 years and over on 31st Dec., 1946: 706.
Total each yr.	17 26		26	19		18			20		1,174		1,409		514		450		404		34		

^{* 1 —} January to June. 2 — July to December.

