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COUNTY BOROUGH OF MIDDLESBROUGH.



# ANNUAL REPORT

OF THE

## Medical Officer of Health

FOR THE YEAR

### 1939,

BY

**C. METCALFE BROWN,**  
M.D., CH.B., D.P.H., BARRISTER-AT-LAW.



COUNTY BOROUGH OF MIDDLESBROUGH.



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**MEMBERS OF THE HEALTH COMMITTEE, 1939-40.**

Chairman :—Alderman A. MARSHALL.

COMMITTEE—

HIS WORSHIP THE MAYOR (Councillor Sir William H. Crosthwaite, J.P.)

Alderman Mrs. H. M. GUTHRIE, J.P.	Councillor the Very Rev. Canon
Alderman W. TURFORD, J.P.	N. DUNNE.
Councillor G. CARTER,	Councillor E. HARFORD.
Councillor A. H. COCKS.	Councillor T. W. MORRIS.
Councillor A. COOPER.	Councillor B. RAMSEY.
	Councillor A. THOMPSON.

**MEMBERS OF THE HOSPITALS COMMITTEE, 1939-40.**

Chairman :—Councillor A. COOPER.

COMMITTEE—

HIS WORSHIP THE MAYOR (Councillor Sir William H. Crosthwaite, J.P.)

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Councillor G. CARTER.	Councillor A. C. MITCHELL.
Councillor A. H. COCKS.	Councillor J. NUGENT.
Councillor W. ECKERT.	Councillor J. W. WELCH, J.P.

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COMMITTEE, 1939-40.**

Chairman :—Alderman Mrs. H. M. GUTHRIE, J.P.

COMMITTEE :—

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Alderman J. WESLEY BROWN, J.P.	Councillor F. C. PETTE.
Councillor A. H. COCKS.	Councillor J. SWALES, M.C.
Councillor A. COOPER.	Councillor L. TAYLOR.
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Councillor R. V. C. GRAY, B.A.	Mrs. M. E. HEWITSON.
Councillor W. MILLER.	Dr. G. H. LOWE.
	Mrs. W. TURFORD.

**STAFF OF THE HEALTH DEPARTMENT, 1939.**

**Medical Officer of Health and Chief Medical Advisor :—**

C. METCALFE BROWN, M.D., Ch.B., D.P.H., Barrister-at-Law.

**Deputy Medical Officer of Health :—**

T. LLOYD HUGHES, M.D., Ch.B., D.P.H. Barrister-at-Law.

(To Sept., 1939).

R. C. M. PEARSON, M.D., Ch.B., M.R.C.P., D.P.H.

(From Oct., 1939).

**Clinical Tuberculosis Officer :—**

F. J. HENRY, M.C., M.B., Ch.B., F.R.C.S. (Edin.), D.P.H., Barrister-at-Law.

**Assistant Medical Officer of Health, Maternity and  
Child Welfare :—**

I. MAY O. ALLAN, M.A., M.B., Ch.B., D.P.H.

**Clinical Venereal Diseases Officer :—**

D. R. RIGG, M.B., Ch.B.

**District Medical Officers and Public Vaccinators :—**

E. H. MOSELEY, M.B., B.S.

C. S. O'HAGAN, M.B., B.S.

**Consulting Obstetrician :—**

§G. F. LONGBOTHAM, M.B., C.M.

**Chief Sanitary Inspector :—**

THOMAS P. DIXON, Mem. S.I.A., Mem. R.S.I., Mem. I.P.C.

**Deputy Chief Sanitary Inspector :—**

‡\*H. WHITFIELD.

**Assistant Sanitary Inspectors :—**

‡L. BURKILL.

\*‡T. E. PETERSON.

\*‡S. E. ELLIS.

\*‡G. A. PRICE.

†A. W. LUCAS.

†H. WATSON.

\*‡W. M. MATHEWS.

\*‡W. W. WHITE.

\*‡H. WOODCOCK.

**Shops Inspector :—**

R. G. THOMPSON.

**Housing Visitor :—**

L. GOLDSBROUGH (from August, 1939).

**Health Visitors :—**

°L. BELL (Supervisor).	G. LAFFERTY, S.R.N., S.C.M.
°A. E. HAGAN, S.R.N., S.C.M.	°I. PALING, S.R.N., S.C.M.
°A. KNOX, S.R.N., S.C.M.	°R. SPITTEL, S.R.N., S.C.M.

**Tuberculosis Nurses :—**

D. E. HALL, S.R.N.  
M. OWEN.  
P. STOCKTON.

**Measles Nurses :—**

E. CURRY, S.R.N., S.C.M.  
E. WILSON, S.R.N., S.C.M.

**Municipal Midwives :—**

M. ROBINSON, S.R.N., S.C.M.— Supervisor.	V. LEWIS, S.R.N., S.C.M. E. MCINTOSH, S.C.M.
M. ABBOTT, S.C.M.	C. MCKINLAY, S.C.M.
D. M. BELL, S.C.M.	G. E. RAILSTON, S.R.N., S.C.M. (from July, 1939).
E. BRACE, S.R.N., S.C.M.	S. J. SCRIMGOUR, S.C.M.
M. BYTHEWAY, S.C.M. (To June, 1939).	W. A. TORR, S.R.N., S.C.M. (from August, 1939).
A. GIBSON, S.C.M.	S. WETHERELL, S.C.M.
B. A. HAGAN, S.R.N., S.C.M.	

**Infant Life Protection Visitor :—**

A. G. COWLEY.

**Matrons :—**

E. ARMETT, S.R.N., S.C.M., Municipal Hospital.  
B. GARDNER, West Lane Hospital.  
H. KIRKBRIDE, S.R.N., S.C.M., Municipal Maternity Hospital.  
N. PRICE, S.R.N., Poole Sanatorium, Nunthorpe.  
D. GARDNER, S.R.N., S.C.M., Hemlington Hospital  
(From September, 1939).

**Vaccination Officer :**

J. COSTELLO.



**Veterinary Surgeon :—**

§S. E. MORTON, M.R.C.V.S.

**Borough Analysts :—**

§E. W. JACKSON, F.I.C.

§A. SHOLES, F.I.C.

**Chief Clerk :—**

†J. W. RAWDON.

23 CLERKS.

**MUNICIPAL HOSPITAL.****Medical Superintendent :—**

W. BRITAIN JONES, M.B., B.S., M.R.C.S., L.R.C.P.

**Resident Physician :—**

D. R. RIGG, M.B., Ch.B.

**Resident Medical Officer :—**

H. DOYLE, M.B., Ch.B. (to May, 1939).

J. F. CLARK, L.R.C.P., L.R.C.S., L.R.F.P.S. (from May, 1939).

**Ophthalmic Surgeon :—**

§A. E. P. PARKER, F.R.C.S.

**Ear, Nose and Throat Surgeon :—**

§J. B. T. KESWICK, M.B., B.S.

**Radiologist and Electro-Therapeutist :—**

§W. IRWIN, M.B., Ch.B., D.R.M.E.

**Dental Surgeon :—**

§L. T. DAVIDSON HEPPELL, L.D.S.

\*Meat Inspector's Certificate of R.S.I.

†Sanitary Inspector's Certificate of R.S.I.

‡Cert. of R.S.I. and Sanitary Inspectors' Joint Board.

§Part-time Officer.

||Health Visitor's Diploma, Board of Education.

°Health Visitor's Diploma of R.S.I.

**ANNUAL REPORT, 1939.**

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

MR. CHAIRMAN, MADAM AND GENTLEMEN,

I have the honour to present to you the Annual Report on the Health of the County Borough of Middlesbrough for 1939.

The Report has been delayed as a result of delay in receiving the Registrar-General's statistics.

The Report has been abridged considerably and in consequence there has been economy in the use of paper.

The population has risen by 100 to 139,900. There has been a decrease in the birth-rate and a slight increase in the death-rate, infantile mortality rate and the maternal mortality rate.

The most satisfactory feature of the statistics was that there were 34 fewer deaths from Cancer.

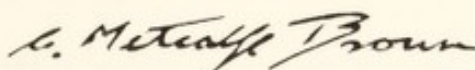
The incidence of Scarlet Fever was the lowest since 1920 and while there was a slight decrease in the incidence of Diphtheria, the number of deaths from this disease was higher as a result of the increased severity of the cases.

The medical and sanitary services continued to function satisfactorily during the year and there has been no evidence during the last four months of the year (the first four months of the War) that the health or well-being of the community had suffered in any way.

I wish again to thank the Chairman and Members of the Committees concerned and the Members of the Staff of the Health Department and of the Hospital Services for much assistance, guidance and cheerful co-operation.

I am, Mr. Chairman, Madam and Gentlemen,

Your obedient Servant,



Medical Officer of Health.

Health Department,  
Municipal Buildings,  
Middlesbrough.  
December, 1940.



## SECTION A.

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres)	..	..	..	..	..	7,205
Estimated Population (Mid-1939)	(a) for Birth-Rate					139,900
	(b) for Death-Rate					137,500
Number of Inhabited Houses (end of 1939)	..	..				36,000
Rateable Value	..	..	..	..	..	£748,405
Product of a penny rate	..	..	..	..	..	£2,800
Number of Live Births :—						
(a) For Birth-Rate :—			Male	Female	Total	
Legitimate	..	..	1,236	1,228	2,464	
Illegitimate	..	..	61	58	119	
Total	..	..	1,297	1,286	2,583	
(b) For Infant and Maternal Mortality—						
Legitimate	..	..	1,230	1,224	2,454	
Illegitimate	..	..	60	58	118	
Total	..	..	1,290	1,282	2,572	
Number of Still Births—						
Legitimate	..	..	64	64	128	
Illegitimate	..	..	3	3	6	
Total	..	..	67	67	134	
Total No. of Births (Live and Still)—						
(a) For Birth-Rate	..	..	1,364	1,353	2,717	
(b) For Infantile and Maternal Mortality			1,357	1,349	2,706	
Deaths	..	..	1,023	805	1,828	
Deaths from :—						
Puerperal Sepsis	..	..	..	..	..	4
Other puerperal causes	..	..	..	..	..	8
All puerperal causes	..	..	..	..	..	12
Typhoid and Paratyphoid Fevers	..	..	..	..	..	1
Measles	..	..	..	..	..	10
Scarlet Fever	..	..	..	..	..	1
Whooping Cough	..	..	..	..	..	17
Diphtheria	..	..	..	..	..	31
Influenza	..	..	..	..	..	21
Violence	..	..	..	..	..	99
Diarrhoea (under 2 years)	..	..	..	..	..	21
Cancer	..	..	..	..	..	180
Deaths (under 1 year) :—						
Legitimate	..	..	112	70	182	
Illegitimate	..	..	7	5	12	
Total	..	..	119	75	194	

## Birth Rates and Death Rates, 1939.

	Middlesbrough	England & Wales	126 County Boroughs & Great Towns
Rate per 1,000 Population :—			
Live Births .. ..	18.5	15.0	14.8
Still-births .. ..	0.96	0.59	0.59
Annual Death Rate per 1,000 Population :—			
All causes .. ..	13.3	12.1	12.0
Typhoid and Paratyphoid fevers .. ..			
Smallpox .. ..	0.01	0.00	0.00
Measles .. ..	0.00	0.00	0.00
Scarlet Fever .. ..	0.07	0.01	0.01
Whooping Cough .. ..	0.01	0.01	0.00
Diphtheria .. ..	0.12	0.03	0.03
Influenza .. ..	0.22	0.05	0.05
	0.15	0.21	0.19
Rate per 1,000 total (live and still) births :—			
Still-births .. ..	49.3	38.0	—
Rate per 1,000 Live Births :—			
Diarrhoea and Enteritis (under 2 years) ..	8.1	4.6	6.3
Maternal Mortality Rate per 1,000 Live Births :—			
Puerperal Sepsis ..	1.56	0.77	
Other puerperal causes	3.10	2.16	
All puerperal causes ..	4.66	2.93	
Maternal Mortality Rate per 1,000 Total Births :—			
Puerperal Sepsis ..	1.48	0.74	
Other puerperal causes	2.95	2.08	
All puerperal causes ..	4.43	2.82	
Death Rate of Infants under one year of age :—			
All infants per 1,000 live births .. ..			75
Legitimate infants per 1,000 legitimate live births			74
Illegitimate infants per 1,000 illegitimate live births			102

## COMPARATIVE RATES.

	M'bro. 1939	M'bro. 1938	England & Wales 1939	126 County Boroughs & Great Towns
Birth Rate (live births)	18.5	19.8	15.0	14.8
Death Rate .. ..	13.3	12.3	12.1	12.0
Infant Mortality Rate	75	72	50	53
Maternal Mortality Rate	4.43	4.18	2.82	

## WARD STATISTICS.

Ward	No. of cases of Infectious Diseases per 1,000 population	Death Rate	Birth Rate	Infant Mortality Rate
Ayresome ..	29.55	11.66	17.27	40
Acklam .. ..	23.63	12.09	16.54	19
Cannon .. ..	51.07	16.22	26.63	124
Cleveland ..	35.80	15.57	24.85	101
Exchange ..	32.60	17.93	15.99	97
Grove Hill ..	31.52	9.74	12.77	76
Linthorpe ..	23.42	9.24	12.42	53
Newport .. ..	43.23	20.41	24.04	107
Ormesby ..	38.36	12.97	19.26	80
St. Hilda's ..	55.87	22.88	29.75	102
Vulcan .. ..	36.07	14.08	22.47	65
County Borough	33.68	13.30	18.50	75

On analysis of these figures, the following is worthy of note :—

- (1) The estimated population for 1939 is 139,900 which is 100 more than for 1938.
- (2) The number of live births is 2,583, a decrease of 182 as compared with the previous year. The birth-rate is much higher than the average for England and Wales.
- (3) The number of deaths is 107 more than in 1938. The crude death rate of Middlesbrough is higher than that of England and Wales and of the 126 County Boroughs and Great Towns. The Registrar-General, however, supplies an Areal Comparability Factor for each area, which when applied to the crude death-rate produces an adjusted rate which is strictly comparable with that of England and Wales. In the case of Middlesbrough the Areal Comparability Factor is 1.18 so that the standardized rates for 1939 are :—

Middlesbrough .. ..	15.7
England and Wales .. ..	12.1

- (4) The Maternal Mortality Rate is somewhat higher than in 1938, and considerably higher than the corresponding rate for England and Wales.
- (5) The number of deaths from Cancer is 180, 34 less than in 1938.
- (6) The death-rate of infants under one year per thousand live births is 75 as compared with 72 for 1938 and 50 for England and Wales.
- (7) In 1939, 149 cases of Scarlet Fever were notified as compared with 675 in 1938 and 266 cases of Diphtheria were notified as compared with 286 in 1938.

The incidence of Scarlet Fever was the lowest since 1920.

### Unemployment.

The following figures show that at the end of 1939 the number of unemployed males and females over the age of 21 years. These indicate a decrease as compared with 1938.

	Men.	Women	Total
Wholly unemployed.. ..	2,604	890	3,494
Temporarily suspended .. ..	337	76	413
Casuals .. ..	604	..	604
Total .. ..	3,545	966	4,511

The average weekly number of persons in receipt of Outdoor Relief during 1939 was :—

Ordinary list .. ..	3,528
Able-bodied list .. ..	173

## SECTION B.

### GENERAL PROVISION OF HEALTH SERVICES

#### FOR THE AREA.

##### Staff.

Particulars of the Public Health Officers of the County Borough are printed on pages 4 to 6.

##### Laboratory Facilities.

These are the same as in previous years. A large number of bacteriological examinations were carried out during the year.

It is worthy of note that the number of swabs for diphtheria examined in 1939 was 2,628 as compared with 1,486 in 1938. This is

a direct result of carrying out these examinations at the West Lane Hospital, instead of sending them to London and is an indication of the very real service which has been rendered both to general practitioners and to their patients as a result of this arrangement.

The net cost also is much below that of the previous facilities.

### General Facilities.

Ambulance facilities and provisions for nursing in the home remain as in previous years, as also are arrangements for Treatment Centres and Clinics with the exception that the Settlement Centre has been replaced by the Ayresome Centre at St. James' Hall, Crescent Road, and the Grove Hill Centre has been removed from the Institute, Bishopton Road, to the Methodist School, Grove Hill.

### Hemlington Hospital.

During 1939, 83 malthriving children were admitted to the Hemlington Hospital for periods varying from two to three months.

## HOSPITALS : PUBLIC AND VOLUNTARY.

### (1) Municipal Hospital.

The Medical Superintendent, Mr. W. Britain Jones, is chiefly responsible for the following report :—

#### STAFF.

The medical staff of the hospital is recorded on page 6. The nursing staff comprises 16 trained nurses, 52 probationer nurses and one X-ray assistant and masseuse.

#### BED ACCOMMODATION.

Table VII, page 68, shows the classification of the accommodation and the number of beds occupied on the 31st December, 1939.

#### ADMISSIONS.

Total number of admissions (including infants born in Hospital)	.. ..	1,929
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#### MORTALITY.

Total number of deaths during 1939	..	369
Number who died within 48 hours of admission	.. .. .	66 or 17.88%



## AGES AT DEATH.

Under 1 year.	1—3 years.	3—16 years.	16—40 years.	40—50 years.	50—60 years.	60—70 years.	Over 70 years.
27	11	11	34	19	46	92	129

or percentages of total deaths :—

7.32	2.98	2.98	9.21	5.15	12.46	24.94	34.96
------	------	------	------	------	-------	-------	-------

It will be noted from the above table that 59.89% of the deaths occurred in patients over 60 years of age.

## DISCHARGES.

Total number of discharges during 1939 .. .. 1,573

## DURATION OF STAY OF PATIENTS.

## DISCHARGED OR DIED.

(1) Under four weeks .. .. .	1,331
(2) Four weeks and under thirteen weeks .. ..	470
(3) Thirteen weeks or more .. .. .	141

## OCCUPIED BEDS.

(a) Average during the year .. .. .	193
(b) Highest number, 257 on 13th April, 1939.	
(c) Lowest number, 91 on 24th September, 1939.	

## THE TRAINING OF NURSES.

The Examination results for 1939 are as follows :—

	Passes.
Preliminary State Examinations ..	15
Final State Examinations .. ..	14

## DENTAL DEPARTMENT.

The number of individuals seen .. ..	536
Number of attendances for treatment .. ..	987
General anaesthetics .. .. .	153 cases

## EAR, NOSE AND THROAT DEPARTMENT.

The number of cases dealt with during the year was 161, and the number of attendances, 186.

Total Ear, Nose and Throat operations performed during 1939 .. .. .	98
---	----

## OPHTHALMIC DEPARTMENT.

Number of cases seen during the year	..	99
Attendances of above patients made	..	142
Number of operations performed	.. ..	9

## X-RAY AND ELECTRICAL DEPARTMENTS.

Total number of patients seen	..	1,333
Number of attendances	.. ..	5,912

## X-RAY DEPARTMENT :—

Films and Screenings	.. .. .	1,799
Treatments	.. .. .	53

## DEEP THERAPY DEPARTMENT :—

Treatments	.. .. .	688
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## ELECTRO-THERAPY DEPARTMENT :—

Diathermy Treatments	.. .. .	180
Ionizations	.. .. .	28
Stimulations	.. .. .	118
Radiant Heat	.. .. .	320
Massage	.. .. .	190

## SUNLIGHT DEPARTMENT (ULTRA VIOLET RAYS) :—

Treatments	.. .. .	3,757
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## OUT-PATIENTS DEPARTMENT.

Number of patients seen	.. .. .	548
Number of attendances	.. .. .	5,814

## OPERATIONS.

The number of major surgical operations performed under general anaesthetics (excluding dental operations) was 443. Of these, 100 were abdominal sections.

## (2) West Lane Hospital.

The work of the Isolation Wards of this Hospital is described in Section F, page 48. The work of the Tuberculosis Ward is dealt with under the heading of Tuberculosis, page 55.

**(3) Hemlington Hospital.**

Until August, 1939, this was a Smallpox Hospital with accommodation for 55 cases of smallpox. Treatment of smallpox has not been required for many years. During the summer months it was used as a convalescent hospital for malthriving children. In August, 1939, the Office of Works, acting on behalf of the Ministry of Health and with the consent of the Middlesbrough Corporation, commenced the building of a hatted hospital of 480 beds in a field adjacent to the existing hospital. This necessitated the premature discharge of the malthriving children who were under treatment there.

**(4) Poole Sanatorium.**

The work of this Sanatorium for the treatment of Tuberculosis is described under the heading of Tuberculosis, page 54.

**(5) Maternity Hospital.**

A description of the work of this Hospital is given under this heading on page 20.

**(6) North Ormesby Hospital.**

The following particulars are extracted from the Annual Report of the Hospital for 1939 :—

The North Ormesby Hospital is a voluntary general hospital containing 192 beds. During 1939, 3,508 patients were admitted to the wards.

The daily average number of beds occupied throughout the year was 157.3 and the number of days each patient was resident was 16.42.

In the Out-patient Department 8,273 new patients received advice and treatment, and the number of attendances was 40,140.

The number of patients treated in the Massage and Electro-Therapeutic Department was 670 and the number of attendances 15,117.

In the Artificial Sunlight Department, 92 patients were treated and the number of attendances recorded was 3,263.

**(7) North Riding Infirmary.**

The following is extracted from the Annual Report for the Infirmary for 1939 :—

The number of beds available for patients is 140.

## IN-PATIENTS.

Medical .. .. .	209
Surgical .. .. .	1,370
Ear, Nose and Throat .. .. .	342
Ophthalmic .. .. .	33
Total ..	1,954
Average stay of each patient (days) ..	18.93
Daily average number of beds occupied	97.06

## OUT-PATIENTS.

Medical and Surgical .. .. .	6,400
X-Ray Examinations .. .. .	3,853
Daily average number of new Out-Patients	17.53
Daily average number of Out-Patient attendances .. .. .	114.05

## OPERATIONS.

Major .. .. .	268
Ear, Nose and Throat .. .. .	307
Ophthalmic .. .. .	15
Minor (In-patients) .. .. .	561
Minor (Out-patients) .. .. .	444
Total ..	1,595

## (8) Carter Bequest Hospital.

The following particulars are extracted from the Hospital Annual Report for 1939 :—

Number of Patients admitted during the 1st 8 months, 1939 .. .. .	665
Average stay in Hospital .. .. .	17 days
Average number in Hospital during the 1st 8 months, 1939 .. .. .	46.5 patients
Average Cost per Patient .. .. .	£6 4 1½
Average Cost per week .. .. .	£2 10 3
In Hospital, January 1st, 1939 .. .. .	36
Surgical Cases .. .. .	533
Accidents .. .. .	16
Medical .. .. .	355
Maternity .. .. .	1

Discharged, Cured or Relieved .. ..	864
Died .. .. .	41
In Hospital, December 31st, 1939 ..	38
	<hr/>
	943
Operations .. .. .	574

**(9) Middlesbrough Hospitals Advisory Joint Committee.**

This Committee, comprising representatives from the three Voluntary Hospitals and the Council was formed in December, 1936, to consider all matters relating to Hospitals within the County Borough and advise thereon.

**District Medical Officers :—**

There are two whole-time District Medical Officers. The town is divided into two districts, with estimated populations of 57,000 and 83,000 persons.

**Public Vaccinators :—**

The two District Medical Officers act as Public Vaccinators.

**Children's Homes :—**

These are under the administration of the Education Authority, the medical services being carried out by the Public Health Medical Staff.

**Maternity Services :—**

Maternity and Child Welfare provisions under the Public Health Act, 1936, are the responsibility of the Maternity and Child Welfare Committee and not of the Public Assistance Committee.

**Boarded-Out Children :—**

The Maternity and Child Welfare Committee is responsible for the supervision of boarded-out children and the administration of the statutory clauses relating to Infant Life Protection.

**Mental Defectives :—**

The Middlesbrough Corporation is a partner in the Prudhoe Hall Colony Joint Board. On the 31st December, 1939, 102 Mental Defectives were in residence there. The Education Committee have a Special School for Mental Defectives at which 137 boys

and girls are in attendance. Other mental defectives were receiving institutional treatment on the 31st December, 1939, as follows :—

Holgate Public Assistance Institution .. ..	5
West Hartlepool Public Assistance Institution	5
Rampton State Institution .. .. .	5
Whittington Hall .. .. .	1
South Shields Public Assistance Institution ..	3
Monkton Hall .. .. .	1
Princess Christien's Colony .. .. .	1
Royal Albert Institution .. .. .	1
Bishop Auckland Public Assistance Institution	1
St. Joseph's Institution .. .. .	1
Etloe House .. .. .	1
Lisieux Hall .. .. .	1
Moss Side State Institution .. .. .	3

### MATERNITY AND CHILD WELFARE.

The Assistant Medical Officer of Health, Maternity and Child Welfare, Dr. I. May O. Allan, is mainly responsible for this Section.

#### MIDWIVES.

The number of midwives who notified their intention to practise in Middlesbrough in January, 1939, was 48. This number included 11 employed at the Municipal Maternity Hospital and 9 at the Municipal Hospital.

The number of births notified by midwives was 2,528 out of a total of 2,754 notified births in the area.

Medical aid was summoned by midwives under Section 14 (1) of the Midwives Act on 508 occasions.

Midwives acted as Maternity Nurses in 244 cases.

#### Municipal Midwifery Service.

On the 1st January, 1939, there were 11 midwives in this service. In March, 1939, one midwife resigned. Two new midwives were appointed, one on the 1st July and the other on the 1st August, 1939. There are now, therefore, 12 midwives in the Municipal Midwifery Service and one Supervisor of Midwives.

The five areas into which the Borough has been divided for purposes of administration are at present staffed as follows :—

District No. 1	..	One midwife.	
District No. 2	..	Three midwives.	
District No. 3	..	Four midwives.	
District No. 4	..	Three midwives.	
District No. 5	..	One midwife.	
Total number of Bookings	.. .. .		1,199
Total number of Deliveries	.. .. .		997

#### Municipal Maternity Hospital.

Number of beds available	.. .. .	50
Lying in beds	.. .. .	43
Ante-natal beds	.. .. .	7
Isolation beds	.. .. .	3

#### Summary of work of the Hospital in 1939.

Total number of admissions	.. .. .	928
Ante-natal cases admitted	.. .. .	106
Emergencies	.. .. .	146
Booked cases	.. .. .	782
Total number of deliveries	.. .. .	810
Number of cases delivered by doctors	.. .. .	97
Number of cases delivered by midwives	.. .. .	713
Number of cases notified as Puerperal Pyrexia	.. .. .	14
Number of cases transferred to West Lane Isolation Hospital	.. .. .	9
Number of cases notified as Pemphigus	.. .. .	..
Number of cases notified as Ophthalmia Neonatorum	.. .. .	2
Number of cases delivered in patient's own homes by Hospital midwives	.. .. .	54

#### Ante-natal Clinics.

Total number of attendances at Maternity Hospital Clinic	.. .. .	4,936
Number of first attendances	.. .. .	801
Number of re-attendances	.. .. .	4,125
Total number of all ante-natal attendances for the year	.. .. .	5,127
Total number of other first attendances for the year	.. .. .	98
Total number of mothers who attended the clinics	.. .. .	899

Of 2,754 notified births, 899 expectant mothers or 32.7% had ante-natal care at a municipal clinic.

**Post Natal Clinics.**

Total number of attendances at post-natal clinics .. .. .	396
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**Caesarean Sections.**

Number of Caesarean Sections during 1939 ..	27
Booked cases .. .. .	19
Middlesbrough emergencies .. .. .	1
North Riding emergencies .. .. .	7

**Municipal Maternity Hospital—Maternal Deaths.**

Number of Maternal deaths .. .. .	8
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**CERTIFIED CAUSES OF DEATH :—**

Toxaemia due to peritonitis and endometritis following confinement .. .. .	1
Shock and post-partum haemorrhage .. .. .	1
Pulmonary embolism following Caesarean Section Labour. Rupture of uterus. Supravaginal hysterectomy .. .. .	1
Cardiac failure due to asthma and bronchitis. Confinement .. .. .	1
Shock due to twin labour .. .. .	1
Eclampsia .. .. .	1
Acute circulatory failure. Confinement .. .. .	1

**Municipal Maternity Hospital—Still-Births.**

Number of Still-births .. .. .	72
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**CAUSES :—**

Toxaemia of pregnancy .. .. .	21
Dystocia .. .. .	14
Ante-partum haemorrhage .. .. .	12
Developmental abnormalities .. .. .	7
Syphilis .. .. .	3
Illnesses of mother other than those above ..	6
Hydramnios .. .. .	2
Unknown causes .. .. .	7

**Municipal Maternity Hospital—Neo-natal Deaths.**

Number of neo-natal deaths .. .. .	14
------------------------------------	----

**CAUSES :—**

Prematurity .. .. .	5
Intracranial haemorrhage .. .. .	5
Hydrocephalus .. .. .	1
Asphyxia neonatorum .. .. .	1
Spina bifida .. .. .	1
Atelectasis .. .. .	1



**Home Nursing.**

In addition to the District work of the Maternity Hospital nurses, the District Nursing Association attends a number of cases. These include expectant mothers, nursing mothers, infants and children under five years.

The number of cases nursed during the  
year was .. .. . 129

**Maternal Deaths.**

Total number of maternal deaths in the area ..	19
CAUSES NOT PREVIOUSLY GIVEN .. .. .	11
Sepsis (three of these associated with abortion) ..	4
Ante-partum haemorrhage .. .. .	1
Anaemia. Haemorrhage. Miscarriage .. .. .	1
Acute cardiac dilation. Nephritis .. .. .	1
Shock. Retained placenta. Prolonged labour ..	1
Myocarditis. Anaemia of pregnancy. Childbirth	1
Broncho-pneumonia .. .. .	1
Toxaemia. Pyonephrosis. Pyelitis of pregnancy ..	1

**Still-Births.**

Total number of still-births in the area .. ..	153
At the Municipal Maternity Hospital .. .. .	72
Causes not previously given .. .. .	81

**PRE-NATAL CAUSES—**

Prematurity .. .. .	11
Ante-partum haemorrhage .. .. .	6
Toxaemia of pregnancy .. .. .	4
Ill-health of mother .. (other than toxaemia)	13
Maldevelopment of foetus .. .. .	6
Hydramnios .. .. .	2
Unknown pre-natal causes .. .. .	11

**INTRA-NATAL CAUSES—**

Forceps delivery .. .. .	5
Breech presentation .. .. .	3
Shoulder presentation .. .. .	1
Precipitate labour .. .. .	2
Prolapse of cord .. .. .	1
Delay in labour .. .. .	2
Early rupture of membranes .. .. .	1
Asphyxia .. .. .	1
Unknown causes .. .. .	12

**Neo-natal Deaths.**

Total number of neo-natal deaths in the area ..	75
At the Maternity Hospital .. .. .	14
Causes not previously given .. .. .	61
Prematurity .. .. .	26
Pneumonia .. .. .	6
Congenital deformities .. .. .	6
Heart disease .. .. .	2
Spina bifida .. .. .	2
Hydrocephalus .. .. .	1
Exomphalos .. .. .	1
Convulsions .. .. .	4
Asphyxia neonatorum .. .. .	3
Shock during birth .. .. .	2
Debility at birth .. .. .	2
Haemorrhagic disease .. .. .	2
Inattention at birth .. .. .	2
Atelectasis .. .. .	1
Inanition at birth .. .. .	2
Acute gastro-enteritis .. .. .	1
Acute bronchitis .. .. .	1
Marasmus .. .. .	1
Whooping cough .. .. .	1
Shock following operation for volvulus of stomach	1

**Ophthalmia Neonatorum.**

Cases of Ophthalmia Neonatorum notified in the area .. .. .	6
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**CASES TREATED.****RESULTS.**

At Home	In Hospital	Vision Un- impaired	Vision Impaired	Total Blindness	Deaths
3	3	..	..	..	..

**Puerperal Pyrexia.**

Total number of cases of Puerperal Pyrexia notified .. .. .	31
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Of these, 26 were treated in Hospital.

**Unmarried Mothers.**

The unmarried mothers have the same facilities for advice and treatment as the married mothers.

The Holy Cross Home for unmarried mothers and babies admitted 25 expectant mothers, 18 mothers and babies and 5 babies during the year.

**Health Visitors.**

Number of visits paid by health visitors during the year :—

To expectant mothers	..	First visits	..	113
		Total visits	..	177
To children under 1 year		First visits	..	2,457
		Total visits	..	7,580
To children between 1 and 5 years	..	Total visits	..	5,672
Percentage of notified births who received a	..	First visit	..	86.0

**Infant Welfare Centres.**

There are seven Municipal Infant Welfare Centres.

Average attendance per session of children :—

Elizabeth Purvis Centre	..	..	..	..	138
Grove Hill Centre	..	..	..	..	100
Cannon Centre	..	..	..	..	180
American Red Cross Centre	..	..	..	..	58
Settlement and St. James Centres	..	..	..	..	78
North Ormesby Centre	..	..	..	..	76
Whinney Banks Centre	..	..	..	..	90

Average attendance of children per session at all Centres, 103.

Total number of attendances at all Centres during the year :—

By children under 1 year	..	..	..	..	19,493
By children between 1 and 5 years	..	..	..	..	11,900

Total number of children who attended for the first time :—

Children under 1 year	..	..	..	..	1,656
Children between 1 and 5 years	..	..	..	..	244

Percentage of live births who attended a Centre for the first time during the year, 63.6.

**Infant Life Protection.**

Number of foster parents on register at the end of the year	..	..	..	..	17
Number of children on the register at the end of the year	..	..	..	..	18
Number of children who died during the year	..	..	..	..	..

**Orthopaedic Treatment.**

Any orthopaedic case requiring institutional treatment is treated as an in-patient either at the Municipal Hospital or at the Orthopaedic Hospital, Kirkbymoorside.

**Nursing Homes.**

Of the 3 Registered Homes, 2 take in operative maternity cases and 1 takes in ordinary deliveries.

## SECTION C.

## SANITARY CIRCUMSTANCES IN THE AREA.

## Water.

Mr. G. R. Collinson, B.Sc., M.Inst. C.E., Engineer and Manager, Tees Valley Water Board adds to his previous general description of the Middlesbrough water supply, that there has been no decline from the Board's normal high standard of purity, notwithstanding the heavy demands on the undertaking and many other difficulties created by the War.

## Drainage and Sewerage.

The following Extensions to drains and sewers have been carried out during the year :—

Drains.			Lineal Yards.	
Corporation Houses	..	..	..	120
Private Enterprise	..	..	..	13,650
Total			..	13,770

Sewers.			Lineal Yards.	
Corporation	..	..	..	50
Private Enterprise	..	..	..	1,480
Total			..	1,530

## PUBLIC CLEANSING.

## HOUSEHOLD AND TRADE REFUSE.

## Collection.

A weekly collection is made from the 36,000 houses and shops within the Borough (an increase of 1,761 since the beginning of the year) and a daily collection from all commercial hotels.

The collection is made by 19 motor vehicles (no horse labour being used), consisting of 1 Ford (for Organic Refuse), 2 Dennis, 3 Karriers, 5 S.D. Freighters and 8 Scammells.

Commencing on the 1st April, a charge was made for the collection and disposal of Trade Refuse. A free collection of 2 bins or sacks (not exceeding 2 cubic feet capacity) is made from all trade or business premises, thereafter each bin or sack is chargeable at the rate of 3d. each. The system of payment is by vouchers or by quarterly agreements, based on the average

amount of refuse removed weekly. There is also a special charge in operation for the collection and/or disposal of loads of refuse from trade or business premises.

The following shows the classification and tonnage of refuse collected during the year:—

Household Refuse .. .. .	30,753 tons
Trade Refuse .. .. .	1,118 ..
Organic Refuse .. .. .	272 ..
Nightsoil (including Slaughterhouse Refuse)	1,477 ..
Total	33,620 tons

33,620 tons represents 240.49 tons per 1,000 population per annum or 13.2 cwts. per 1,000 population per day. This figure compares very favourably with the average for cities and towns with a total population of  $13\frac{1}{2}$  millions as shewn in the Ministry of Health's return on Public Cleansing, namely, 16.6 cwts.

#### Disposal.

During the year, 38,014 tons of refuse were disposed of as under:—

Method of disposal.	Tonnage.	Percentage.
Separation and Incineration ..	25,054	65.91
Barging to Sea .. .. .	7,655	20.14
Controlled Tipping .. .. .	1,549	4.07
Organic Plant .. .. .	272	0.71
Miscellaneous .. .. .	3,484	9.17
Total ..	38,014 tons	100.00%

(Included in "Barging to Sea" are 3,366 tons of debris from the demolition of houses under Slum Clearance Orders).

The method of disposal prior to the 20th March was "Barging to Sea" and "Controlled Tipping." From the 20th March, all household and a proportion of trade refuse has been dealt with at the Refuse Disposal Works, situated on the Stockton Road. These were opened on the 20th March, being erected by Messrs. Heenan and Froude Limited, Worcester, at a cost of £37,500. The Works are capable of handling 150 tons of refuse in 8 hours on the primary and secondary screen principle, salvage being the main consideration. Steam is raised for the Organic Plant and for heating the main garage, capable of holding 25 large collection motors.

The Lloyd Street Depot is very handy for the disposal of trade refuse from business premises. Baling of paper and incineration is carried on, also the disposal of nightsoil and slaughterhouse refuse to farmers.

The constituents of the refuse at the Refuse Disposal Works after separation were as follows :—

	Tons.	Percentages.
Dust .. .. .	6,369	25.42
Cinders .. .. .	1,812	7.23
Metals .. .. .	696	2.78
Bottles .. .. .	233	0.93
Rags .. .. .	5	0.02
Paper .. .. .	80	0.32
Balance to Fires .. .. .	15,859	63.30
Total .. .. .	25,054 tons	100.00%

The amount and value of materials recovered, including Organic Salvage, were as follows :—

	Tons.	Value.		
		£	s.	d.
Baled Scrap .. .. .	625	1,024	13	0
Galvanized Scrap, etc. .. .. .	60	31	11	0
Light Scrap, Metals, etc. . . . .	56 <sup>1</sup> / <sub>4</sub>	128	4	7
Bottles, Jars, etc. .. .. .	213 <sup>1</sup> / <sub>2</sub>	195	19	9
Cinders .. .. .	681 <sup>3</sup> / <sub>4</sub>	171	11	5
Rags, Bagging, etc. .. .. .	7 <sup>3</sup> / <sub>4</sub>	20	14	1
Baled Paper .. .. .	118 <sup>1</sup> / <sub>4</sub>	183	18	8
Fertiliser .. .. .	7 <sup>1</sup> / <sub>2</sub>	46	4	9
Fish Meal .. .. .	30 <sup>3</sup> / <sub>4</sub>	376	14	3
Meat Meal .. .. .	5 <sup>3</sup> / <sub>4</sub>	68	14	9
Blood Meal .. .. .	1 <sup>1</sup> / <sub>2</sub>	5	8	6
White Fat .. .. .	3 <sup>1</sup> / <sub>4</sub>	48	3	8
Green Fat .. .. .	5 <sup>3</sup> / <sub>4</sub>	53	1	9
Miscellaneous .. .. .	23 <sup>3</sup> / <sub>4</sub>	2	14	8
		£2,357	14	10

The costs of collection and disposal for the years 1938 and 1939 from the figures in the Estimates supplied by the Borough Treasurer are as follows :—

	1938.	1939.
Cost of Collection .. .. .	£16,457	£17,558
Cost of Disposal .. .. .	£6,691	£7,711

From the Annual Report on Public Cleansing issued by the Ministry of Health, our costs compare most favourably with those of other towns and cities, the average cost per 1,000 houses for collection and disposal being as follows :—

	1936-37.	1937-38.
Average of cities and towns with a total population of 13 <sup>1</sup> / <sub>4</sub> millions .. .. .	£737	£744
Middlesbrough .. .. .	£703	£694

## SANITARY INSPECTION OF AREA.

## Description of Work carried out.

	1938.	1939.
Number of Inspections made .. ..	13,887	15,265
Number of re-inspections made .. ..	20,642	19,792
Number of Food Inspections .. ..	14,033	14,481
Number of notices and letters served ..	7,395	7,092
Number of Interviews .. ..	731	1,207

**Drainage.**

Smoke Test applied to new drains ..	999	1,018
Smoke Test applied to old drains ..	115	67
Re-constructed .. ..	233	146
Cleansed and repaired .. ..	468	378
Sink Waste Pipes trapped or renewed ..	152	156
Defective yard gullies .. ..	50	91
Grates provided for gully traps ..	17	26
Cleared with Cooper's Vacuum Pump (free of cost to owners) .. ..	1,696	1,960
Defective gully covers .. ..	5	9

**Water-Closets.**

Provided with a sufficient water supply	58	350
Basins renewed .. ..	115	165
Cisterns repaired or renewed .. ..	294	299
Foul water-closet drains .. ..	176	155
Defective closet doors .. ..	147	114
Dilapidated closet seats .. ..	90	86
Defective closet roofs .. ..	146	145
Defective joint between flush pipe and water-closet basin .. ..	34	30

**Houses.**

Roofs &c. repaired .. ..	503	349
Water spouts fixed or repaired .. ..	799	523
New sinks fixed .. ..	129	96
Accumulations of refuse or manure removed	25	9
Nuisances arising from the keeping of animals, poultry, etc. .. ..	1	..
Pavement of yards repaired .. ..	240	159
New floors laid or repaired .. ..	333	191
Provided with a sufficient water supply	34	45
Dilapidated dustbins .. ..	2,912	2,277
Defective chimneys .. ..	36	34
Defective ceilings .. ..	110	125
Defective sash-cords and windows ..	391	385
Defective fireplaces .. ..	86	89

	1938	1939
Defective fire ranges .. .. .	237	200
Defective walls .. .. .	1,400	1,455
Defective ovens .. .. .	6	1
Dilapidated set-pots .. .. .	78	63
Dilapidated set-pot firebars .. .. .	6	9
Defective handrails .. .. .	18	28
Dirty premises .. .. .	7	6
Defective flues .. .. .	112	97
Defective yard doors .. .. .	148	100
Dilapidated back passage surfaces .. .. .	138	116
Defective coalhouse doors .. .. .	116	101
Defective coalhouse door frames .. .. .	57	50
Defective coalhouse floors .. .. .	23	17
Defective coalhouse roofs .. .. .	79	79
Miscellaneous works not classified .. .. .	614	622

The above defects were satisfactorily remedied during the year.

A summary of the number of defects for which Notices have been served during the last five years is as follows :—

1935 .. .. .	12,278
1936 .. .. .	12,167
1937 .. .. .	8,754
1938 .. .. .	10,623
1939 .. .. .	9,376

The attention of the Borough Engineer has been called to the following defects :—

Apparently dangerous structures .. .. .	28
Miscellaneous .. .. .	9

	1938.	1939.
Number of Housing Cards compiled .. .. .	970	1,534

In all cases where an application is made for a house on the Corporation Estates, inspection is made of the applicant's house and a report submitted to the Housing Department. 718 visits of inspection and reports have been made during the year.

In August, a Housing Visitor was appointed, her duties being to visit houses on the Corporation Estates to help and advise the housewives on the several problems that crop up from time to time.

2,237 visits were paid in this respect with good results.



### Infectious Diseases.

During the year 1,098 houses have been inspected, incurring 2,004 re-inspections, compared with 1,300 inspections and 476 re-inspections last year, owing to cases of Infectious Disease (including Tuberculosis) and reports thereon have been made to the Medical Officer of Health.

The number of inhabited rooms disinfected owing to cases of Infectious Disease was 2,155 as compared with 3,726 last year.

### Offensive Trades.

Number on Register	..	..	..	..	160
Fried Fish Shops	..	..	..	..	128
Tripe Boiling	..	..	..	..	6
Fat Melting	..	..	..	..	8
Blood Drying	..	..	..	..	2
Fat Extracting	..	..	..	..	4
Size Making	..	..	..	..	1
Hide and Skin Dealers	..	..	..	..	1
Rag and Bone Dealers	..	..	..	..	9
Gut Scraping	..	..	..	..	1
Number of inspections	..	..	..	..	181
Number of Notices to limewash	..	..	..	..	29
Number of Fried Fish Shops opened	..	..	..	..	..
Number of Fried Fish Shops closed	..	..	..	..	..
Letters of warning for minor contraventions of					
Byelaws	..	..	..	..	26

The whole of the Offensive Trades on the Register have been conducted satisfactorily and in no instance where any minor alteration or improvement has been suggested has there been anything but a ready response to carry out the same.

### Rats and Mice Destruction Act, 1919.

During the year numerous complaints were received necessitating 367 visits to rat-infested premises (houses, shops or warehouses) within the Borough.

The 5 Official Rat Clubs have continued their operations against these pests with good results. 281 places have been visited and 2,122 rats have been killed.

### Sanitary Condition of Theatres and Music Halls.

There are 14 places of public entertainment within the Borough, 13 Cinemas and 1 Music Hall.

In accordance with the requirements of the Ministry of Health (Circular 120), an inspection of the Sanitary condition of Cinemas, Music Halls and other places of entertainment has been made and all were found to be satisfactory.

**Shops and Offices.**

## NUMBER OF VISITS MADE :—

Number of Visits .. .. .	233
Number of Re-visits .. .. .	1,310
Number of Patrol Visits .. .. .	175
Number Closed down .. .. .	114
Number of Interviews .. .. .	82
Total .. .. .	1,914

## SUMMARY.

Coal Dealers .. .. .	67
General Dealers .. .. .	558
Drapers, Clothiers, Outfitters .. .. .	252
Grocers .. .. .	194
Fruiterers, Florists, Gamedealers .. .. .	95
Bakers and Confectioners .. .. .	111
Newsagents, Tobacconists, Confectioners, Libraries, Stationers .. .. .	235
Chemists, Herbalists, Drug Stores .. .. .	47
Boot and Shoe Retailers and/or Repairers .. .. .	108
Ironmongers, Plumbers, Hardware, Paint .. .. .	57
Hairdressers .. .. .	155
Fish Friers .. .. .	124
Fishmongers .. .. .	44
Butchers .. .. .	154
Jewellers, Opticians, Watch Repairers .. .. .	34
Dairies and Farm Produce .. .. .	36
Radio, Cycle and Electrical Dealers, Motor Cycles .. .. .	124
Wholesale Dealers .. .. .	91
Furniture Dealers and Brokers .. .. .	52
Cafes, Snack Bars, Ice Cream Saloons .. .. .	59
Miscellaneous Trades .. .. .	51
Total .. .. .	2,648

Sanitary and washing accommodation has been provided in 4 cases :—

Office .. .. .	1
Shops .. .. .	3

**Camping Sites.**

There are no camping sites, as such, in Middlesbrough.

### Swimming Baths and Pools.

Mr. A. T. Hatfield, Baths Superintendent has furnished the following addition to his previous general statement :—

The number of bathers using the Swimming Baths this year is not so great as in previous years owing to the lighting restrictions and to the number of young men being called up.

The Slipper Baths continue to be well patronised. The Turkish, Russian, Radiant Heat and the Zotofoam baths show a reduction in the number of patrons.

Accommodation has been provided during the past six months for upwards of 20,000 members of H.M. Forces.

### Eradication of Bed Bugs.

Number of inspections .. .. .	1,603
Number of Houses Infested .. .. .	151
Number disinfested by Corporation—	
(i) Corporation Houses .. .. .	70
(ii) Private Houses .. .. .	81

### Factories Act, 1937.

This Act came into operation on the 1st July, 1938, and consolidates the Factory and Workshop Acts, 1901 to 1929.

There are 541 Factories on the Register, as follows :—

	With Mechanical Power	Without Mechanical Power
Bakehouses .. .. .	42	39
Boot and Shoe Repairs ..	43	20
Dressmaking .. .. .	12	24
Millinery .. .. .	2	3
Tailoring .. .. .	16	12
Joinery .. .. .	32	19
Plumbing.. .. .	1	9
Saddlery .. .. .	..	3
Tinsmiths.. .. .	2	2
Watch Repairs .. .. .	4	4
Cabinet Makers .. .. .	15	14
Laundries .. .. .	7	1
Motor and Cycle Repairs	43	19
Workplaces .. .. .	..	43
Blacksmiths .. .. .	4	2
Miscellaneous .. .. .	68	36
Totals .. .. .	291	250

Number of Inspections (including works of  
Building and Engineering Construction) .. 1,972

On the whole, the Factories and other premises were found to be in a satisfactory condition and no legal proceedings were instituted.

The following is a summary of the work carried out during the year :—

NOTICES RECEIVED FROM HIS MAJESTY'S INSPECTOR OF FACTORIES :—

Re-occupation of Factories .. .. .	21
Unsuitable sanitary accommodation .. .. .	8
Dirty premises .. .. .	..
Fire certificates .. .. .	5
Provision of thermometers .. .. .	..

NOTICES SERVED UNDER THE ACT :—

To cleanse and limewash .. .. .	6
To provide means of ventilation .. .. .	..
Wet floors .. .. .	1
Sanitary defects .. .. .	8
To provide refuse receptacles .. .. .	2
Overcrowding .. .. .	..
To provide thermometers .. .. .	1

Number of Fire Certificates issued :— 16.

SANITARY CONVENIENCES IN WORKSHOPS :—

Closets, insufficient, unsuitable or defective	23
--	----

HOME WORK (SECTIONS 110 & 111) :—

20 Lists of Out-workers (or Home-workers) were received in the first half of the year and 21 for the second half.

Number of Lists of Out-workers received ..	41
Number of Employers .. .. .	21
Number of Out-workers premises inspected	61
Number of Out-workers—1st half of year	46
Number of Out-workers—2nd half of year	50

WORKPLACES (RESTAURANTS, KITCHENS), ETC. :—

Number on Register .. .. .	43
Number Inspected .. .. .	43
Number of Inspections .. .. .	54

**Rag Flock Acts.**

During the year, 12 samples were taken under the above Acts and the results received indicated that all conformed to the standard of cleanliness specified.

**Pharmacy and Poisons Act, 1933.****Poisons Rules, 1935.**

37 premises with the persons nominated to sell poisons under the above rules are registered and 42 visits of inspection have been made during the year.

Care has been exercised in the keeping of poisons carefully stored and secure.

**Public Mortuary.**

The Public Mortuary is situated at the Local Board Yard in Commercial Street. It is adequately and well maintained and kept in a clean condition by the caretaker.

During the year, 61 bodies were removed to the Mortuary.

**Schools.**

The following table shows the number of exclusions for the year, due to infectious diseases:—

	No. of cases	No. of contacts
Scarlet Fever .. ..	75	106
Diphtheria .. ..	150	240
Measles .. ..	1,258	167
Chickenpox .. ..	227	132
Whooping Cough ..	1	3
	1,711	648

**Code Grant Regulations No. 8.**

In order to prevent the spread of infectious disease, 648 contacts were excluded from school. There were no school closures during the year and no certificates were necessary in respect of reduced attendance.

**SECTION D.****HOUSING.**

Number of new houses erected during the year .. ..	858
(i) By the Local Authority .. ..	40
(ii) By other bodies or persons .. ..	818

Houses erected by the Local Authority during 1939:—

Brambles Farm Estate .. ..	40
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**Housing Statistics :—**

## 1. Inspection of dwelling houses during the year :—

1.(a)	Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) .. .. .	12,186
(b)	Number of inspections made for the purpose ..	31,978
2.(a)	Number of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 .. .. .	1,534
(b)	Number of inspections made for the purpose ..	9,658
3.	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. .	297
4.	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. .. .	6,766

## 2. Remedy of defects during the Year without Service of formal Notices :—

	Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers .. .. .	5,824
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## 3. Action under Statutory Powers during the Year :—

## (a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

(1)	Number of dwelling houses in respect of which notices were served requiring repairs .. .. .	34
(2)	Number of dwelling houses which were rendered fit after service of formal notices :—	
(a)	By owners .. .. .	8
(b)	By Local Authority in default of owners .. .. .	2

## (b) Proceedings under Public Health Acts :—

(1)	Number of dwelling houses in respect of which notices were served requiring defects to be remedied .. .. .	75
(2)	Number of dwelling houses in which defects were remedied after service of formal notices :—	
(a)	By owners .. .. .	75
(b)	By Local Authority in default of owners .. .. .	—

(c)	Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—	
(1)	Number of dwelling houses in respect of which Demolition Orders were made ..	13
(2)	Number of dwelling houses demolished in pursuance of Demolition Orders ..	10
(d)	Proceedings under Section 12 of the Housing Act, 1936 :—	
(1)	Number of separate tenements or underground rooms in respect of which Closing Orders were made .. .. .	
(2)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .. ..	—
4.	Housing Act, 1936—Part IV—Overcrowding :—	
(a)	(i) Number of dwellings overcrowded at the end of the year .. .. .	662
	(ii) Number of families dwelling therein ..	662
	(iii) Number of persons dwelling therein ..	4,446½
(b)	Number of new cases of overcrowding reported during the year .. .. .	5
(c)	(i) Number of cases of overcrowding relieved during the year .. .. .	238
	(ii) Number of persons concerned in such cases	1,098
(d)	Particulars of any cases in which dwelling houses have again become Overcrowded after the Local Authority have taken steps for the abatement of overcrowding .. .. .	—
(e)	Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report .. .. .	—

The following houses have been erected in the town during the year 1939 :—

BY THE CORPORATION :

Ormesby Ward .. .. .	40
Total ..	40

## BY PRIVATE ENTERPRISE :

Linthorpe Ward	..	..	..	..	410
Ayresome Ward	..	..	..	..	4
Ormesby Ward	..	..	..	..	155
Grove Hill Ward	..	..	..	..	248
Exchange Ward	..	..	..	..	1
					818
			Total	..	818

The following houses have been demolished during the year 1939 :—

			By the Corporation.	By Private Enterprise.
St. Hilda's Ward	..	..	104	15
Cannon Ward	..	..	7	..
Ormesby Ward	..	..	..	2
			111	17
		Total	..	17

**Overcrowding.**

During the year, 1,693 visits were made to houses known to be Overcrowded and also for the purpose of re-housing as required by the Housing Department.

**Houses Let-in-Lodgings.**

Number of Houses	..	..	..	95
Number of Inspections	..	..	..	150
Number of applications to register	..	..	..	13
Number of Notices and Letters re repairs, cleanliness, etc.	..	..	..	41

Circular letters respecting the necessary cleansing are forwarded annually to the responsible occupier of all houses.

**Common Lodging Houses.**

Number of Houses	..	..	..	11
Number of Keepers	..	..	..	9
Number of Inspections	..	..	..	95
Number of Lodgers accommodated nightly	..	..	..	471½
Number registered during the year	..	..	..	1
Number closed or discontinued	..	..	..	1
Number of Notices and Letters re repairs, cleanliness, etc.	..	..	..	4

Circular letters respecting the necessary cleansing are forwarded annually to all responsible keepers.



## SECTION E.

## INSPECTION AND SUPERVISION OF FOOD.

The Chief Sanitary Inspector is mainly responsible for this Section.

**Bacteriological Examination of Milk.**

285 samples were procured during the year and submitted for examination. 175 or 61.4% were found to be clean and 110 or 38.6% dirty.

Total number of samples taken during the year	285
Ordinary Milks .. .. .	202
Graded Milks .. .. .	83

## SUMMARY :

	Clean.	Dirty.	Total.
Ordinary Milks ..	108	94	202
Graded Milks ..	67	16	83
Totals ..	175	110	285

## SAMPLES WERE FOUND TO BE CLEAN AS FOLLOWS :—

On 1st Test	On 2nd Test	On 3rd Test	On 4th Test	On 5th Test	On 6th Test	On 7th Test
143	22	6	1	1	..	2

**Graded Milks.**

	Clean	Dirty.	Total
SUMMARY :			
Accredited .. .. .	25	13	38
Tuberculin Tested (Certified) ..	35	1	36
Tuberculin Tested ..	7	2	9
Totals .. .. .	67	16	83

**Pasteurised Milks.**

Number of samples submitted for Phosphatase Test and Bacteriological Test .. .. .	27
Number satisfactory to Phosphatase Test ..	27
Number satisfactory to Bacteriological Test ..	16
Number unsatisfactory to Bacteriological Test ..	11

**Biological Examination of Milk.**

Number of samples submitted.	Number free from Tubercle Bacilli.	Number containing Tubercle Bacilli.
215	198	17

The following table shews the number of samples submitted for Biological Examination which were returned as "Positive" for Tubercle Bacilli during the past five years:—

1935	..	..	..	..	4
1936	..	..	..	..	8
1937	..	..	..	..	11
1938	..	..	..	..	10
1939	..	..	..	..	17

**Milk (Special Designations) Order, 1936-1938.**

	1938	1939
Number of Producer's Licences granted for Accredited Milk .. .. .	4	5
Number of Dealer's Licences granted for Accredited Milk .. .. .	2	2
Number of Supplementary Licences granted for Accredited Milk .. .. .	3	3
Number of Pasteuriser's Licences granted	3	3
Number of Producer's Licences granted for Tuberculin Tested (Certified) Milk ..	1	1
Number of Dealer's Licences granted for Tuberculin Tested (Certified) Milk ..	—	2
Number of Producer's Licences granted for Tuberculin Tested Milk .. .. .	1	1
Number of Dealer's Licences granted for Tuberculin Tested Milk .. .. .	8	5
	22	22

**Purveyors of Milk.**

(a) SHOPS FROM WHICH LOOSE MILK IS SOLD:—

	1938	1939
(1) Where Dairy Produce only is sold ..	10	7
(2) Confectionery and milk .. .. .	33	33
(3) General shops .. .. .	32	32
(4) Dwelling houses without rounds ..	1	—
(5) Dwelling houses with rounds ..	18	16
(6) Sale of milk on rounds only ..	11	9
	105	97

## (b) BOTTLED MILK :

	1938	1939
(1) Accredited Milk .. .. .	9	10
(2) Pasteurised Milk .. .. .	25	25
(3) Tuberculin Tested (Certified) Milk	1	3
(4) Tuberculin Tested Milk .. .. .	9	6
(5) Sterilised Milk .. .. .	511	549
(6) Loose or Bulk Milk .. .. .	105	97
	660	690

The following table shews the average fatty content of the samples procured during the last five years :—

Year.	Number of samples taken.	Average Fat content.
1935	187	3.30%
1936	139	3.46%
1937	100	3.37%
1938	100	3.12%
1939	118	3.56%

**Ice Cream Dealers.**

Sections 272, 273 and 274 of the Middlesbrough Corporation Act, 1933, make it compulsory for all manufacturers of ice cream to be registered with the Local Authority.

During the year all premises where Ice Cream is manufactured, stored, or sold have been regularly visited and found satisfactory.

Number manufacturing Ice Cream .. .. .	45
Number selling Ice Cream .. .. .	149
Number discontinued during the year .. .. .	8
Number registered during the year .. .. .	25
Number of Licences transferred .. .. .	1
Number of inspections made .. .. .	49
Number of letters sent re minor contraventions, alterations to premises, etc. .. .. .	5

**Cowsheds.**

Number of Cowsheds .. .. .	16
Number of Registered Cowkeepers .. .. .	13
Number of Cows kept .. .. .	345
Number of inspections made .. .. .	12
Number of Notices to Limewash .. .. .	—

**Dairies and Milkshops.**

	Inside the Borough.	Outside the Borough.
Number on Register .. ..	97	11
Number discontinued since January, 1939 .. ..	7	—
Number registered since January, 1939 .. ..	—	—
Number of Licences transferred	1	—
Number of Inspections .. ..	63	—
Number of Notices requesting purveyors to register .. ..	—	—

Letters of warning for minor contraventions of the Byelaws were sent to several milk purveyors, but on the whole the conduct was generally satisfactory.

**Meat and Other Foods.****SLAUGHTER OF ANIMALS ACT, 1933.**

There are now 109 persons on the Register of Licensed Slaughtermen.

**Slaughterhouses.**

	Registered.	Licensed.
December, 1920 .. .. .	39	3
January, 1939 .. .. .	24	2
December, 1939 .. .. .	24	2
Public Slaughterhouses .. ..	1	—
Number of Inspections .. .. .	13,947	
Number of Notices to Limewash .. ..	82	
Number of Notices to provide refuse receptacles .. .. .		29
Number of notifications of change of occupier .. .. .		1
Letters re Cleanliness, Repairs, etc. .. ..		—

**Manufacture of Foodstuffs.**

Sections 291 and 293 of the Middlesbrough Corporation Act, 1933, make it compulsory for all premises used or proposed to be used for the preparation of Potted, Pressed, Pickled or Preserved Meat (including Sausages), to be registered with the Local Authority.

One such premises has been registered during the year and the necessary improvements carried out. The total number of such premises on the register is 128.

**Public Health (Meat) Regulations, 1924.**

The above Regulations lay down that three hours' notice of intended slaughter must be given. By this means every animal slaughtered within the Borough is inspected as to its condition before it is removed from the slaughterhouse. During the year,

3,020 notifications were received in addition to 20 regular slaughterings, where operations are carried on daily.

The following have been slaughtered and inspected before removal to the shops :—

Species			Public Abattoir	Private Slaughterhouses
Bulls	..	..	147	10
Bullocks	..	..	600	1,881
Cows	..	..	268	865
Heifers	..	..	758	2,578
Calves	..	..	1,045	1,063
Sheep	..	..	6,785	19,590
Pigs	..	..	1,967	12,697
			11,570	38,684

#### Carcases Inspected and Condemned.

	Cattle excluding		Sheep and		
	Cows	Cows	Calves	Lambs	Pigs
Number killed ..	5,974	1,133	2,108	26,375	14,664
Number inspected ..	5,974	1,133	2,108	26,375	14,664
ALL DISEASES EXCEPT TUBERCULOSIS :					
Whole carcasses condemned ..	4	7	4	8	13
Carcases of which some part or organ was condemned ..	45	24	2	1	17
Percentage of the number inspected affected with disease other than tuberculosis ..	0.82	2.74	0.28	0.03	0.20
TUBERCULOSIS ONLY :					
Whole carcasses condemned ..	17	37	3	..	10
Carcases of which some part or organ was condemned ..	54	48	2	..	37
Percentage of the number inspected affected with tuberculosis ..	1.19	7.50	0.24	..	0.32

Of the 50,254 animals slaughtered, 49,921 or 99.34% were found to be sound and unaffected by disease of any nature ; 208 or 0.41% were found to be affected with tuberculosis and 125 or 0.25% were found to be affected with other diseases or conditions.

In addition, a large number of carcasses slaughtered outside the Borough are received into the various wholesale warehouses and a regular inspection is made.

**Particulars of Surrenders and Seizures of Unsound  
Animals and Meat :—**

Year.	Number of Voluntary Surrenders of diseased carcasses or part carcasses or internal organs by Butchers to Chief Inspector.		Number of Seizures (with subsequent destruction) of diseased carcasses or part carcasses or internal organs by Chief Inspector.		Totals
	Tuberculosis	Other Conditions	Tuberculosis	Other Conditions	
1938	272	124	..	..	396
1939	208	125	..	..	333

Year	Whole carcasses affected	Part carcasses affected	Organs only affected
1938	132	66	198
1939	103	69	161

Below is a list of Foodstuffs found to be unsound and unfit for human consumption. All were surrendered and destroyed :—

	Number	Stones	Lbs.
Beasts .. .. .	65	2,346	7
Pigs .. .. .	23	164	4
Sheep .. .. .	8	33	1
Calves .. .. .	7	35	12
Beef .. .. .		16	8
Pork .. .. .		13	6
Offal .. .. .		214	..
Meat (pieces) .. .. .		20	9
Pickled Pork .. .. .		12	..
Roast Pork .. .. .		2	6
Bacon .. .. .		1	7
Chicken and Ham Roll .. .. .		1	7
Tongue .. .. .		9	12
Jellied Veal .. .. .		2	11
Black Puddings .. .. .		6	7
Sugar .. .. .		8	..
Winkles .. .. .		1	6
Frozen Eggs .. .. .		3	2
Rabbits .. .. .	181	19	6
Fish .. .. .		121	13
Fowls .. .. .	14	4	..
Danish Maws .. .. .		12	8
Gooseberries .. .. .		5	..
Sausage .. .. .			8
Polony .. .. .			2
Boiled Beef .. .. .			6
Miscellaneous Tinned Articles .. .. .			11
		3,058	5

The total weight of butchers' meat and other foodstuffs surrendered during the year amounted to 3,058 stones 5 lbs. as compared with 3,968 stones 2 lbs. in 1938 and 3,549 stones 13 lbs. in 1937.

Of the 2,793 stones 10 lbs. of butchers' meat condemned 2,353 stones 9 lbs. were affected with tuberculosis.

During the past two years, the incidence of tuberculosis in animals slaughtered for human consumption was as follows :—

Year.	Number of Animals		Percentage.
	Slaughtered.	Number.	
1938	48,280	272	0.563
1939	50,254	208	0.410

#### **Adulteration.**

##### **Public Health (Preservatives, etc., in Food) Regulations, 1925-9.**

During the year, 295 samples were analysed for the presence of preservatives, 293 being declared Genuine and 2 Not Genuine.

#### **Informal or Test Samples.**

276 informal and 123 formal samples were taken during the year, all of which were submitted to the Public Analyst for analysis.

#### **Margarine.**

Number of Manufacturers	..	..	—
Number of Wholesale Dealers	..	..	22
Number of Premises Registered	..	..	22

#### **Butter.**

There are 3 factories registered for making butter. In 2, butter is regularly manufactured, the remaining one being in use only when there is surplus milk.

**SECTION F.****PREVALENCE OF, AND CONTROL OVER,  
INFECTIOUS AND OTHER DISEASES.**

The total number of notifications received during the year was 4,717 compared with 3,391 in the previous year.

**Diphtheria.**

The cases notified numbered 266 against 286 in the previous year. There were 31 deaths, the mortality rate being 0.22 per 1,000 population.

**Scarlet Fever.**

There was a decrease of this disease during the year, 149 cases being notified against 675 in the previous year. There was 1 death. The cases have been, on the whole, of a mild type.

**Enteric Fever.**

Four cases were notified during the year, one of whom died.

**Cerebrospinal Fever.**

11 cases, 6 of whom died, were notified and removed to the West Lane Hospital.

**Encephalitis Lethargica.**

One case was notified. There were no deaths from this disease.

**Erysipelas.**

There were 62 notified cases and no deaths, against 96 cases and 5 deaths in the previous year.

**Puerperal Pyrexia.**

32 cases were notified.



**Measles and German Measles.**

During the year, 3,183 notifications were received.

All cases are visited and kept under observation by Nurses of the Health Department.

The deaths numbered 10 being 0.32 per cent. of the cases and 0.07 per 1,000 of the population.

The rates for the previous year were 0.31 and 0.01 respectively.

**Chickenpox.**

389 notifications were received and all cases were visited. No cases were fatal. 227 occurred amongst School children and were visited by the Nurses of the Health Department.

**Whooping Cough.**

17 Notifications were received and all cases were visited. There were 17 deaths, as compared with 3 in 1938.

**Ophthalmia Neonatorum.**

6 cases were notified, all of which recovered with unimpaired vision.

**Influenza.**

There were 21 deaths from this disease as compared with 16 in the previous year.

**Smallpox.**

No case occurred in 1939.

**Vaccination Returns.**

	1937.	1938.
Number of Births .. .. .	2,797	2,825
Successfully Vaccinated .. .. .	611	584
Died Unvaccinated .. .. .	180	174
Insusceptible to Vaccination .. .. .	8	6
Declaration of Conscientious Objection	1,712	1,777
Postponed, whereabouts unknown, or removed .. .. .	157	167
Percentage Successfully Vaccinated ..	21.84	20.67
Had Smallpox .. .. .	—	—

The two District Medical Officers are the Public Vaccinators.

The Resident Medical Officer at the Municipal Hospital acts as Public Vaccinator for the Public Assistance Institution and Homes.

## NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS), 1939.

NOTIFIABLE DISEASE	TOTAL CASES NOTIFIED										CASES ADMITTED TO HOSPITAL	TOTAL DEATHS							
	AT AGES											0 to 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	Over 65 years	Total
	At all ages	0 to 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	Over 65 years											
Diphtheria	280	1	50	178	33	17	1	..	279	10	21	..	..	..	..	31			
Erysipelas	63	1	2	4	4	15	26	11	9	..	..	..	..	..	..	..			
Scarlatina	153	2	41	89	12	8	1	..	134	1	..	..	..	..	..	1			
Influenza	46	8	14	3	1	7	8	5	..	3	..	5	2	10	21	..			
Pneumonia	224	14	58	35	24	44	35	14	5	35	4	3	12	21	30	155			
Chickenpox	389	17	133	234	4	1	..	..	1	..	..	..	..	..	..	..			
Measles	3,183	194	1,780	1,202	4	3	..	..	..	4	5	..	..	..	..	10			
Whooping Cough	17	3	12	2	..	..	..	..	..	6	11	..	..	..	..	17			
Enteric Fever	2	..	..	1	1	..	..	..	2	..	..	..	..	1	..	1			
Puerperal Pyrexia	31	..	..	..	12	19	..	..	22	..	..	..	1	..	..	1			
Ophthalmia Neonatorum	6	6	..	..	..	..	..	..	2	..	..	..	..	..	..	..			
Encephalitis Lethargica	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..			
Cerebrospinal Fever	11	3	1	4	1	2	..	..	11	3	1	1	..	..	..	5			
Dysentery	12	1	3	6	..	2	..	..	5	..	2	..	..	..	..	2			
Total	4,418	250	2,094	1,759	96	118	71	30	470	64	27	3	18	24	40	254			
1938	3,094	163	1,039	1,491	126	162	78	35	1,083	10	11	4	24	40	17	125			

## WEST LANE HOSPITAL.

## Admissions and Discharges.

Admissions for 1939 .. .. .	687
Discharges for 1939 .. .. .	674
Deaths during 1939 .. .. .	53

## Patients in hospital on

January 1st, 1939 ..	112
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## Patients in hospital on

December 31st, 1939 ..	72
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## Scarlet Fever.

158 cases were admitted during the year and one death occurred giving a case mortality of 0.6%.

The admissions during the year showed a decrease of 541 cases as compared with the figures for 1938.

## Diphtheria.

291 cases were admitted during 1939 and <sup>26</sup>~~13~~ deaths occurred giving a case mortality of <sup>9.0</sup>~~10.6~~%.

## Puerperal Pyrexia.

24 cases were admitted, 8 from the Municipal Maternity Hospital and 16 from the district. One death occurred during the year giving a case mortality of 4.2%.



## Anterior Poliomyelitis.

No cases were notified during 1939.

Admissions, Deaths and Case Mortality  
at West Lane Hospital, 1939.

Disease.	Cases.	Deaths	Mortality per cent.
Diphtheria .. .. .	287		
"  and Measles .. .. .	1		
"  and Whooping Cough	1		9.0
"  and Rubella .. .. .	1	26	0.9
"  and Chickenpox .. .. .	1		
"  Carrier .. .. .	2		
Scarlet Fever .. .. .	157		
"  "  and Measles .. .. .	1	1	0.6
"  "  Contacts .. .. .	7		
Tonsillitis .. .. .	62		
"  and Broncho-Pneumonia	1	1	100.0
Puerperal Pyrexia .. .. .	24		
Scabies .. .. .	22		
Tuberculous Meningitis .. .. .	15	12	80.0
Meningococcal Meningitis .. .. .	14	5	35.7
Erysipelas .. .. .	12		
Babies admitted with mothers .. .. .	12		
Summer Diarrhoea .. .. .	8		
Dysentery, Bacillary .. .. .	6	1	16.6
Dysentery .. .. .	2		
Pneumonia .. .. .	5	2	40.0
Impetigo .. .. .	4		
Whooping Cough .. .. .	4		
Enteritis .. .. .	4		
Simple Croup .. .. .	3		
Bronchitis .. .. .	3		
Paratyphoid " B " .. .. .	3	1	33.3
Urticaria .. .. .	2		
Septic Spots .. .. .	2		
Colitis .. .. .	2		
Ophthalmia Neonatorum .. .. .	2	1	50.0
Septic Abortion .. .. .	1		
Acidosis .. .. .	1	1	100.0
Chickenpox and Mastoid .. .. .	1		
Ideopathic Ulcerative Colitis .. .. .	1		
Teething .. .. .	1		
Rubella .. .. .	1		
Pneumococcal Meningitis .. .. .	1	1	100.0
Otorrhoea .. .. .	1		
Influenza .. .. .	1		
Acute Streptococcal Pharyngitis .. .. .	1		
Post Measles Encephalitis .. .. .	1		
Typhoid Fever .. .. .	1		

Disease	Cases	Deaths	Mortality per cent.
Measles .. .. .	1	..	..
Laryngitis .. .. .	1	..	..
Diarrhoea .. .. .	1	..	..
Encephalitis .. .. .	1	..	..
Not diagnosed, transferred to Carter Hospital .. .. .	1	..	..
Acute Poliomyelitis .. .. .	..	1	6.6
Totals .. .. .	687	53	3.6

#### West Lane Hospital Laboratory.

Total number of Swabs .. .. .	824
Percentage Positive Swabs .. .. .	22.08

#### Immunization.

20 children were immunized with T.A.F. in 1939, 4 being under school age.

#### CANCER.

There were 177 deaths from Cancer in Middlesbrough residents during 1939, the corresponding number for 1938 being 214.

#### TUBERCULOSIS.

The Clinical Tuberculosis Officer, Dr. F. J. Henry, is mainly responsible for this section.

#### Incidence.

The year 1939 showed that 295 persons were notified during the twelve months as having acquired Tuberculosis in one form or another. This is about the average for the past few years and little more than half the number notified ten years ago.

193 were cases of Pulmonary Tuberculosis, and 102 had developed Tuberculosis of parts of the body other than the lungs.

158 were males and 137 females.

Number notified after death .. .. .	37
"    "    within 3 months of death .. .. .	42
"    "    3-6 .. .. .	12
"    "    6-9 .. .. .	8
"    "    9-12 .. .. .	3
"    "    more than 12 months of death .. .. .	69

## Deaths.

171 persons died from Tuberculosis during the year; representing an increase of 18 as compared with 1938. Of those who died from Tuberculosis 98 were males and 73 were females; 133 from Pulmonary Tuberculosis and 38 from Non-pulmonary disease.

## New Cases and Mortality during 1939.

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0— ..	..	..	2	3	..	..	3	3
1— ..	3	3	16	17	2	2	3	4
5— ..	5	8	21	14	..	2	6	5
15— ..	17	35	8	13	13	21	4	2
25— ..	16	18	2	2	17	18	1	..
35— ..	22	13	..	..	15	11	..	..
45— ..	18	7	1	1	15	..	..	..
55— ..	23	2	1	..	14	2	1	..
65 and upwards	3	..	..	1	2	1	..	..
Totals ..	107	86	51	51	78	57	18	14

The following Table gives the notifications and deaths from all forms of Tuberculosis and the death-rate per 1,000 of the population for England and Wales and for Middlesbrough since 1935 :—

Year.	England and Wales.		Middlesbrough.	
	Death Rate.	Notifications	Deaths.	Death Rate.
1935 ..	0.72	330	181	1.29
1936 ..	0.69	283	150	1.07
1937 ..	0.69	281	165	1.18
1938 ..	0.64	297	153	1.09
1939 ..	0.53	295	171	1.22

The Middlesbrough Tuberculosis death-rate is much in excess of the corresponding death-rate for England and Wales.

## Dispensary Treatment.

During the year 1939 there were 7,704 attendances at the Dispensary; 419 new patients were seen. Of the total new patients

89% were sent by the local practitioners, a figure which indicates the close co-operation between the practitioners of medicine in the town and the Dispensary.

6,926 visits were paid by the health visitors to the homes of the patients while 60 consultations between the private practitioner and the Tuberculosis Officer were also held in the patients' homes.

463 pathological specimens were examined in the laboratory of the Dispensary.

#### **Tuberculosis Housing Scheme.**

Under this scheme 14 new families were housed during the year on the Corporation Housing Estates making a total to date of 104 families so dealt with since the inception of the scheme.

#### **Institutional Treatment.**

##### **Poole Sanatorium.**

116 patients were treated. 83 were discharged during the year; of these 41 showed the disease as quiescent on discharge, 37 were much improved and in 5 patients the condition was unchanged or had deteriorated.

##### **West Lane Tuberculosis Hospital.**

109 adult female patients were treated. Of the 64 discharged during the year, 9 showed quiescence, 40 improved and 15 unchanged. 6 patients were admitted for observation.

##### **Municipal Hospital Holgate.**

###### **MALE ADULT SANATORIUM BLOCK.**

136 male adult patients were treated. Of those discharged 19 were quiescent, 40 improved and 23 unchanged.

###### **CHILDRENS' WARD.**

53 children received treatment.

###### **X-RAY DEPARTMENT, HOLGATE.**

There were 548 X-ray examinations of Tuberculous patients made during the year.



**POOLE SANATORIUM.**

CASES ADMITTED AND TREATED DURING 1939.

	Under treatment at end of 1938.		Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Remaining under treatment at end of 1939.		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths			
<b>PULMONARY TUBERCULOSIS :</b>																															
Males ..	34	9	1	3	3	1	6	3	3	1	6	1	7	4	4	19	19	4	19	19	3	3	3	1	1	56	2	24			
Females ..	3	..	..	3	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	3	..	..	..	7	..	3				
Total ..	37	9	1	6	6	3	6	3	3	1	6	8	8	4	4	19	19	4	19	19	6	6	6	1	63	2	27		27		
<b>NON-PULMONARY TUBERCULOSIS :</b>																															
Males ..	6	..	1	..	..	1	..	1	1	..	1	1	..	..	..	..	..	..	..	..	2	2	2	..	8	..	4		4		
Females ..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	..	2	..	1		1		
Total ..	6	..	1	..	..	1	..	1	1	..	1	2	2	..	..	..	..	..	..	..	3	3	3	..	10	..	5		5		
<b>OBSERVATION :</b>																															
Males ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..
Females ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..
<b>ALL FORMS :</b>																															
Males ..	40	9	2	3	3	4	4	7	4	1	7	1	7	4	4	19	19	4	19	19	5	5	5	3	3	64	2	28		28	
Females ..	3	..	..	3	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	4	4	4	..	9	..	4		4		
Total ..	43	9	2	6	6	4	6	7	4	1	7	3	6	4	4	19	19	4	19	19	9	9	9	3	73	2	32		32		

**WEST LANE TUBERCULOSIS HOSPITAL.**  
Cases admitted and Treated during 1939.

	Remaining under treat- ment at end of 1938	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Remaining under treat- ment at end of 1939
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
<b>Pulmonary Tuberculosis :</b>																												
Male	1	7	2	3	1	9	2	10	2	8	..	9	4	10	..	5	2	1	1	5	1	9	..	5	1	81	16	15
Female	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	18	7	2	3	1	9	2	10	2	8	..	9	4	10	..	5	2	1	1	5	1	9	..	5	1	81	16	15
<b>Other Tuberculosis :</b>																												
Male	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Female	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
<b>Observation :</b>																												
Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	2
Female	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	6	..	..
Total	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	6	..	2	..
<b>All Forms :</b>																												
Male	1	7	2	4	1	10	2	12	2	9	..	9	4	10	..	5	2	1	1	6	1	10	..	6	1	89	16	17
Female	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	20	7	2	4	1	10	2	12	2	9	..	9	4	10	..	5	2	1	1	6	1	10	..	6	1	89	16	17

### Venereal Diseases.

Dr. D. R. Rigg, the Venereal Diseases Medical Officer is responsible for this section.

#### Number of Cases under Observation and Treatment on December 31st, 1939.

Syphilis		Soft Chancre		Gonorrhoea		Other Cases		Total		Total Cases
M	F.	M.	F.	M.	F.	M.	F.	M.	F.	
91	62	1	..	98	15	8	..	198	77	275

#### Number of Cases and the Diseases they were suffering from, dealt with for the first time during the years 1935 to 1939.

Year	Syphilis		Soft Chancre		Gonorrhoea		Other Cases		Total		Grand Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1935	67	30	9	..	184	20	142	14	402	64	466
1936	85	36	6	..	235	27	116	17	442	80	522
1937	113	37	8	..	254	23	148	18	523	78	601
1938	92	41	16	..	230	34	159	33	497	108	605
1939	63	12	10	..	156	33	118	28	347	73	420

Middlesbrough Cases .. .. .	232
Seamen .. .. .	101
Other Cases .. .. .	87
Total .. .. .	420

#### Cases Classified in Age Groups.

Sex	Disease	Under One Year	1 to 5	5 to 14	14 to 16	16 to 17	17 to 18	18 to 19	Over 19 Years	Total
			5	14	16	17	18	19		
MALE	Gonorrhoea	..	..	..	..	..	1	2	153	156
	Syphilis	..	..	..	..	..	..	..	63	63
	Soft Sore	..	..	..	..	..	..	..	10	10
	Other Conditions	..	..	..	1	..	2	1	114	118
	Total	..	..	..	..	1	..	3	3	340
FEMALE	Gonorrhoea	..	1	2	..	..	1	3	26	33
	Syphilis	..	..	1	..	..	..	..	11	12
	Other Conditions	1	..	..	..	..	1	3	23	28
	Total	..	1	1	3	..	..	2	6	60
Total Male and Female		1	1	3	1	..	5	9	400	420

**Nationality of Seamen treated at the Special Treatment  
Centre during the year, 1939.**

British .. ..	50	Finnish .. ..	1
British Indian .. ..	13	Norwegian .. ..	8
Swedish .. ..	5	Greek .. ..	8
Dutch .. ..	2	Danish .. ..	2
Australian .. ..	1	Italian .. ..	2
Hungarian .. ..	1	Chinese .. ..	2
Maltese .. ..	2	Jugo-Slavian .. ..	1
Esthonian .. ..	1	French .. ..	2
Total .. ..			101

**Total attendances in 1939 of all persons suffering from :—**

Syphilis		Soft Chancre		Gonorrhoea		Other Cases		Total		Grand Total
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1,381	451	26	..	7,111	172	576	78	9,094	701	9,795

Middlesbrough .. ..	8,004
North Riding of Yorkshire .. ..	1,295
County of Durham .. ..	215
Other Areas .. ..	281
Total .. ..	9,795

**Sessions and Attendances during 1939.**

MONTH	MALES			FEMALES		
	No. Sessions	Attend- ances	Average	No. Sessions	Attend- ances	Average
January ..	18	290	16.1	4	70	17.5
February ..	16	259	16.1	4	94	23.5
March ..	18	292	16.2	5	104	20.8
April ..	12	171	14.2	8	110	13.7
May ..	16	229	14.3	10	82	8.2
June ..	18	239	13.2	8	49	6.1
July ..	18	315	17.5	4	82	20.5
August ..	16	230	14.3	5	86	17.2
September ..	18	133	7.3	8	54	6.7
October ..	18	130	7.2	8	54	6.7
November ..	16	126	7.8	10	65	6.5
December ..	18	106	5.8	8	27	3.3
Total ..	202	2,520	12.4	82	877	10.7

Total Number of Injections administered .. .. .	2,639
Total Number of Irrigations administered .. .. .	6,463
Total Number of Slides examined by Medical Officer	557
Total Number of Wasserman Reactions .. .. .	238
Total Number of Specimens of Cerebro-spinal fluid examined	8
Total Number of Gonococcal Complement Fixation Tests	72

	Total Number of Patients	Males	Females	Total
1. Uncompleted treatment ..		50	23	73
2. Transferred to another Centre		84	16	100
3. Discharged .. .. .		168	47	215
4. Under Observation at December 31st, 1939		239	49	288

## Special Treatment Centre—Results of Treatment.

STAGE	Year	Syphilis		Soft Chancre		Gono- rrhoea		Other cases		Total		
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
Ceased to attend before completion of Treatment	1935	21	9	..	..	56	16	..	..	77	25	102
	1936	26	22	..	..	99	10	..	..	125	32	157
	1937	36	34	1	..	100	11	..	..	137	45	182
	1938	22	36	1	..	59	14	..	..	82	50	132
	1939	6	5	..	..	44	18	..	..	50	23	73

## Special Treatment Centre—Results of Treatment—continued.

STAGE	Year	Syphilis		Soft Chancre		Gono- rrhoea		Other cases		Total		
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
Transfers	1935	45	5	5	..	66	1	..	..	116	6	122
	1936	63	2	3	..	89	6	7	..	162	8	170
	1937	61	6	6	..	98	4	..	..	165	10	175
	1938	68	12	8	..	81	9	1	..	158	21	179
	1939	40	10	8	..	35	6	1	..	84	16	100
Discharged Cured	1935	16	1	3	..	38	4	137	17	194	22	216
	1936	29	4	2	..	39	6	110	11	180	21	201
	1937	24	7	1	..	90	13	142	23	257	43	300
	1938	17	8	10	..	100	9	162	34	289	51	340
	1939	3	6	1	..	49	13	115	28	168	47	215

STATISTICAL  
TABLES.











TABLE II.  
Notification of Infectious Diseases in 1939, arranged according to Age Groups and Wards.

NOTIFIABLE DISEASE	At all ages	NUMBER OF CASES NOTIFIED										Number in Each Ward										
		At Ages										Ayresome	Acklam	Cannon	Cleveland	Exchange	Grove Hill	Linthorpe	Newport	Ormesby	S. Hildas	Vulcan
		0 to 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and over														
Diphtheria .. .. .	280	1	50	178	33	17	1	..	..	..	..	23	10	14	35	18	59	70	20	13	6	12
Erysipelas .. .. .	63	1	2	4	4	15	26	11	..	..	..	3	..	8	4	1	13	16	8	2	3	5
Scarlatina .. .. .	153	2	41	89	12	8	1	..	..	..	..	13	9	5	14	6	29	39	12	15	2	9
Pneumonia, Influenzal .. .. .	46	8	14	3	1	7	8	5	..	..	..	7	5	9	6	1	2	7	5	2	2	..
Pneumonia, Acute Primary.. .. .	224	14	58	35	24	44	35	14	..	..	..	23	19	29	9	8	35	30	32	20	13	6
Chickenpox .. .. .	389	17	133	234	4	1	..	..	..	..	..	57	36	29	21	35	39	88	19	36	18	11
Measles .. .. .	3183	194	1780	1202	4	3	..	..	..	..	..	309	127	343	229	116	456	403	286	463	203	248
Pul. Tuberculosis—Male .. .. .	107	..	3	5	17	38	41	3	..	..	..	8	3	11	4	10	15	9	11	13	16	107
Pul. Tuberculosis—Female .. .. .	86	..	3	8	35	31	9	..	..	..	..	6	5	7	11	3	12	7	9	12	6	8
Other Tuberculosis—Male .. .. .	51	2	16	21	8	2	2	..	..	..	..	5	3	5	5	8	1	3	7	3	2	9
Other Tuberculosis—Female .. .. .	51	3	17	14	13	2	1	1	..	..	..	5	2	2	3	1	10	12	5	6	3	2
Whooping Cough .. .. .	17	3	12	2	..	..	..	..	..	..	..	1	1	1	4	1	1	7	1	..	..	..
Para-Typhoid "B" .. .. .	2	..	..	1	1	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Puerperal Pyrexia .. .. .	31	..	..	..	12	19	..	..	..	..	..	4	..	..	5	2	6	7	1	1	2	3
Ophthalmia Neonatorum .. .. .	6	6	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1	1	..	1
Encephalitis Lethargica .. .. .	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Cerebro-spinal Fever .. .. .	11	3	1	4	1	2	..	..	..	..	..	1	..	..	1	..	1	2	1	5	..	..
Dysentery .. .. .	12	1	3	6	..	2	..	..	..	..	..	..	..	..	..	..	1	7	..	4	..	..
Totals .. .. .	4713	255	2133	1807	169	191	124	34	..	..	..	467	220	464	352	210	681	707	419	596	276	321
1938 .. .. .	3391	166	1066	1563	178	253	124	41	..	..	..	367	281	295	301	213	351	630	379	317	127	230

TABLE III.

## Registrar-General's Statistics, 1939.

## AREA—MIDDLESBROUGH COUNTY BOROUGH.

(1) Estimated Mid-Year Resident Population—139,900.

For Birth Rate	..	139,900
For Death Rate	..	137,500

(2)		Live Births allocated to the Borough	Still Births allocated to the Borough
Total (Legitimate and Illegitimate)	Males	1297	67
	Females	1286	67
Illegitimate	Males	61	3
	Females	58	3

(3) Notifiable Infectious Diseases.

(Number of cases notified during the 52 weeks ended 31st December, 1939)

Small-pox	Scarlet fever	Diphtheria	Enteric fever	Pneumonia	Puerperal pyrexia	Erysipelas
..	149	226	4	274	32	62

(4) Areal Comparability Factor, applicable to the

"All Causes" crude death rate only—1.18.

TABLE IV.

Birth-rates, Death-rates, Analysis of Mortality, Maternal Death-rates, and Case-rates for certain Infectious Diseases in the year 1939.

(England and Wales, London, 126 Great Towns, 148 Smaller Towns and Middlesbrough).

(Provisional Figures based on Weekly and Quarterly Returns.)

	England and Wales	126 County Boro's and Great Towns including London	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Administrative County	Middlesbrough
RATES PER 1,000 POPULATION					
BIRTHS :—					
Live .. ..	15.0	14.8	15.6	12.3	18.5
Still .. ..	0.59	0.59	0.57	0.44	0.96
DEATHS :—					
All Causes .. ..	12.1	12.0	11.2	11.9	13.3
Typhoid and Paratyphoid Fevers ..	0.00	0.00	0.00	0.00	0.01
Smallpox .. ..	0.00	0.00	0.00	0.00	0.00
Measles .. ..	0.01	0.01	0.01	0.00	0.07
Scarlet Fever .. ..	0.01	0.00	0.00	0.00	0.01
Whooping Cough .. ..	0.03	0.03	0.02	0.03	0.12
Diphtheria .. ..	0.05	0.05	0.04	0.02	0.22
Influenza .. ..	0.21	0.19	0.20	0.16	0.15
NOTIFICATIONS :—					
Smallpox .. ..	0.00	0.00	0.00	0.00	0.00
Scarlet Fever .. ..	1.89	1.96	1.78	1.53	1.09
Diphtheria .. ..	1.14	1.21	1.16	0.98	2.00
Enteric Fever .. ..	0.04	0.03	0.04	0.03	0.01
Erysipelas .. ..	0.34	0.40	0.31	0.37	0.45
Pneumonia .. ..	1.02	1.21	0.89	0.99	1.93
RATES PER 1,000 LIVE BIRTHS					
Deaths under 1 year of age ..	50	53	40	48	72
Deaths from Diarrhoea and Enteritis under 2 years ..	4.6	6.3	3.0	8.2	8.5
MATERNAL MORTALITY:					
Puerperal Sepsis .. ..	0.77				1.55
Others .. ..	2.16	not available			3.11
Total .. ..	2.93				4.27
RATES PER 1,000 TOTAL BIRTHS (i.e., Live & Still)					
MATERNAL MORTALITY:					
Puerperal Sepsis .. ..	0.74				1.48
Others .. ..	2.08	not available			2.95
Total .. ..	2.82				4.43
NOTIFICATIONS :					
Puerperal Fever .. ..	} 14.35	17.26	12.99	3.31	12.00
Puerperal Pyrexia .. ..				14.22	

TABLE V.

## Total Deaths by Cause and Age in the County Borough of Middlesbrough.

CAUSES OF DEATH	Sex	All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75-
ALL CAUSES .. ..	M	1023	119	26	25	25	36	42	65	116	178	239	152
	F	805	75	21	29	33	34	40	55	64	112	176	166
1 Typhoid and paratyphoid fevers	M	1	..	..	..	..	..	..	..	1	..	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..
2 Measles .. ..	M	6	2	3	..	1	..	..	..	..	..	..	..
	F	4	2	..	2	..	..	..	..	..	..	..	..
3 Scarlet Fever.. ..	M	..	..	..	..	..	..	..	..	..	..	..	..
	F	1	..	1	..	..	..	..	..	..	..	..	..
4 Whooping Cough ..	M	8	4	2	2	..	..	..	..	..	..	..	..
	F	9	2	6	1	..	..	..	..	..	..	..	..
5 Diphtheria .. ..	M	12	..	..	4	8	..	..	..	..	..	..	..
	F	19	..	..	6	13	..	..	..	..	..	..	..
6 Influenza .. ..	M	10	..	1	..	..	..	..	4	..	..	3	2
	F	11	1	..	2	..	..	1	..	1	1	3	2
7 Encephalitis lethargica	M	1	..	..	..	..	..	1	..	..	..	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..
8 Cerebro-spinal Fever	M	3	2	1	..	..	..	..	..	..	..	..	..
	F	3	1	..	..	2	..	..	..	..	..	..	..
9 Tuberculosis of respiratory system	M	78	..	..	2	..	13	17	15	15	14	2	..
	F	55	..	1	..	2	20	18	11	1	1	1	..
10 Other tuberculous diseases .. ..	M	18	3	2	1	6	4	1	..	..	1	..	..
	F	17	3	1	5	5	3	..	..	..	..	..	..
11 Syphilis .. ..	M	..	..	..	..	..	..	..	..	..	..	..	..
	F	2	1	..	..	..	..	..	..	1	..	..	..
12 General paralysis of the insane, tabes dorsalis	M	7	..	..	..	..	..	..	1	2	2	2	..
	F	1	..	..	..	..	..	..	1	..	..	..	..
13 Cancer, malignant disease .. ..	M	96	..	..	..	..	..	2	18	28	28	34	12
	F	84	..	..	..	2	1	3	7	20	18	25	8
14 Diabetes .. ..	M	4	..	..	..	..	..	..	..	1	..	3	..
	F	18	..	..	..	1	..	..	..	3	7	5	2
15 Cerebral haemorrhage, etc.	M	28	..	..	..	..	..	..	..	3	9	10	6
	F	41	..	..	..	..	..	..	2	6	6	22	9
16 Heart Disease .. ..	M	286	..	..	..	1	2	5	9	28	58	107	76
	F	223	..	..	..	..	2	1	10	15	34	70	91
17 Aneurysm .. ..	M	6	..	..	..	..	1	..	1	1	2	1	..
	F	1	..	..	..	..	..	..	..	..	..	..	1
18 Other circulatory diseases .. ..	M	83	..	..	..	..	..	..	1	4	10	45	23
	F	53	..	..	..	..	..	..	..	2	15	17	19
19 Bronchitis .. ..	M	30	8	..	1	..	..	..	1	5	5	2	8
	F	21	7	..	..	..	..	..	..	1	5	2	6
20 Pneumonia (all forms)	M	83	30	11	5	1	3	1	7	5	6	7	7
	F	69	22	12	6	3	..	2	5	2	4	6	7
21 Other respiratory diseases	M	9	3	1	..	1	..	1	..	1	1	..	1
	F	9	..	..	1	..	..	1	..	3	2	2	..
22 Peptic ulcer	M	11	..	..	..	..	..	2	1	5	3	..	..
	F	1	..	..	..	..	..	..	..	..	1	..	..
23 Diarrhoea, etc. ..	M	13	12	1	..	..	..	..	..	..	..	..	..
	F	8	8	..	..	..	..	..	..	..	..	..	..
24 Appendicitis .. ..	M	3	..	..	..	..	..	1	..	1	1	..	..
	F	4	..	..	1	..	2	..	1	..	..	..	..
25 Cirrhosis of liver ..	M	4	..	..	..	..	1	..	..	2	1	..	..
	F	1	..	..	..	..	..	..	..	..	..	..	1
26 Other diseases of liver, etc.	M	2	..	..	..	..	..	..	..	..	2	..	..
	F	7	..	..	..	..	..	2	..	1	1	2	1
27 Other digestive diseases	M	14	3	..	..	..	2	..	1	2	4	1	1
	F	13	1	..	1	..	2	..	2	3	1	2	1
28 Acute and chronic nephritis	M	17	..	..	1	..	..	1	2	3	5	3	2
	F	14	..	..	..	1	..	1	1	1	5	3	2
29 Puerperal sepsis ..	F	4	..	..	..	..	1	3	..	..	..	..	..
30 Other Puerperal causes	F	8	..	..	..	..	..	4	4	..	..	..	..
31 Congenital debility, premature birth, malformation, etc.	M	47	47	..	..	..	..	..	..	..	..	..	..
	F	20	20	..	..	..	..	..	..	..	..	..	..
32 Senility	M	8	..	..	..	..	..	..	..	..	..	2	6
	F	11	..	..	..	..	..	..	..	..	..	2	9
33 Suicide .. ..	M	9	..	..	..	..	..	..	3	3	2	..	1
	F	4	..	..	..	..	..	..	2	2	..	..	..
34 Other violence .. ..	M	63	..	2	5	2	7	7	10	9	11	7	3
	F	23	3	..	3	3	..	..	1	1	3	5	4
35 Other defined diseases	M	62	5	2	4	5	3	3	7	7	13	10	3
	F	45	4	..	1	1	3	4	8	7	6	8	3
36 Causes ill-defined, or unknown	M	1	..	..	..	..	..	..	..	..	..	..	1
	F	1	..	..	..	..	..	..	..	..	1	..	..

TABLE VI.

Deaths in 1939 classified

CAUSE OF DEATH				AGES AT DEATH										
				At all ages	under one year	1 and under 2 yrs.	2 and under 3 yrs.	3 and under 4 yrs.	4 and under 5 yrs.	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.
All Causes	Certified .. ..	..	..	1821	187	48	22	13	13	36	21	36	36	80
	Uncertified .. ..	..	..	11	6	..	..	..	..	..	..	..	..	..
	M.	F.												
Enteric Fever .. ..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Smallpox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .. ..	6	4	10	4	3	2	..	..	1	..	..	..	..	..
Scarlet Fever .. ..	1	..	1	..	1	..	..	..	..	..	..	..	..	..
Whooping Cough .. ..	8	9	17	6	8	2	1	..	..	..	..	..	..	..
Diphtheria .. ..	12	19	31	..	..	2	5	3	19	2	..	..	..	..
Influenza .. ..	10	11	21	1	1	1	..	1	..	..	..	..	..	1
Encephalitis Lethargica .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningococcal Meningitis .. ..	3	2	5	3	1	..	..	..	..	1	..	..	..	..
Tuberculosis of Respiratory System .. ..	78	57	135	..	1	..	1	2	..	2	15	19	35	..
Other Tuberculous Diseases .. ..	18	14	32	6	3	2	2	..	6	5	5	1	1	..
Cancer, Malignant Disease .. ..	94	83	177	..	..	..	..	..	1	..	..	1	5	..
Rheumatic Fever .. ..	14	6	20	..	..	..	..	..	2	1	2	..	2	..
Diabetes .. ..	4	18	22	..	..	..	..	..	..	1	..	..	..	..
Cerebral Haemorrhage, etc. .. ..	38	41	79	..	..	..	..	..	1	..	1	..	..	..
Heart Disease .. ..	286	225	511	..	..	..	..	..	..	1	1	2	7	..
Arterio-Sclerosis .. ..	82	57	139	..	..	..	..	..	..	..	..	..	..	..
Bronchitis .. ..	32	22	54	16	1	1	..	..	..	..	..	..	1	..
Pneumonia .. ..	44	18	62	12	4	1	1	..	..	1	1	1	2	..
"    Broncho .. ..	45	48	93	38	19	5	2	3	2	1	1	..	..	..
Other Respiratory Diseases .. ..	7	8	15	1	1	..	..	..	..	1	..	..	..	..
Ulcer of Stomach or Duodenum .. ..	9	1	10	..	..	..	..	..	..	..	..	..	2	..
Diarrhoea, etc. .. ..	14	11	25	22	1	..	1	..	..	..	..	1	..	..
Appendicitis and Typhlitis .. ..	4	5	9	..	..	..	..	1	..	..	2	..	1	..
Cirrhosis of Liver .. ..	4	..	4	..	..	..	..	..	..	..	1	..	..	..
Acute and Chronic Nephritis .. ..	11	10	21	..	..	..	..	1	1	..	..	..	2	..
Puerperal Sepsis .. ..	..	1	1	..	..	..	..	..	..	..	..	..	1	..
Other Accidents and Diseases of Pregnancy & Parturition .. ..	..	12	12	..	..	..	..	..	..	..	..	..	7	..
Congenital Debility and Malformation, Premature Birth .. ..	34	16	50	50	..	..	..	..	..	..	..	..	..	..
Suicide .. ..	9	4	13	..	..	..	..	..	..	..	..	..	..	..
Other Deaths from Violence .. ..	57	16	73	2	2	2	5	1	3	1	2	7	6	..
Other defined diseases .. ..	95	83	178	31	1	4	..	1	..	3	5	4	7	..
Causes ill-defined or unknown .. ..	3	1	4	..	..	..	..	..	..	..	..	..	..	..
Syphilis .. ..	1	2	3	1	..	..	..	..	..	..	..	..	..	..
Dysentery .. ..	2	..	2	..	1	..	1	..	..	..	..	..	..	..
Murder, &c. .. ..	1	1	2	..	..	..	..	..	..	1	..	..	..	..
Total .. ..	1027	805	1832	193	48	22	19	13	36	21	36	36	80	..

according to age and Wards.

35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 yrs. and over	Deaths in Public Institutions	Number of Deaths in each Ward in the Borough											Totals	
					Ayresome	Acklam	Cannon	Cleveland	Exchange	Grove Hill	Linthorpe	Newport	Ormesby	St. Hilda's	Vulcan		
118	179	296	730														
..	1	1	3														
..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	4	1	..	1	2	..	..	2	1	1	2	..	..	10
..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1
..	..	..	..	..	2	1	2	1	1	1	3	1	3	1	1	1	17
..	..	..	..	31	4	..	1	3	2	13	5	1	..	..	..	2	31
4	1	1	10	..	1	2	3	3	..	5	5	2	..	..	..	..	21
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	5	1	..	..	..	..	1	1	..	1	1	..	..	5
26	16	15	3	55	19	3	10	13	13	17	14	11	14	9	12	135	
..	..	1	..	31	4	1	1	3	2	2	2	6	7	1	3	32	
9	36	47	78	103	20	10	12	11	10	19	31	24	16	13	11	177	
4	7	2	..	7	2	..	3	1	1	5	4	3	1	..	..	20	
..	4	7	10	13	2	3	..	..	2	2	5	1	3	3	1	22	
2	6	17	52	29	12	7	4	3	1	10	14	7	11	3	7	79	
19	37	92	352	142	36	35	33	31	38	52	80	69	55	39	43	511	
..	3	28	108	56	19	18	10	12	4	8	25	11	10	11	11	139	
1	7	9	18	14	3	8	9	5	3	3	2	7	6	6	2	54	
9	6	7	17	26	8	1	3	3	4	8	10	8	9	3	5	62	
1	3	5	13	22	4	2	14	11	8	7	6	15	13	5	8	93	
..	4	3	5	6	2	2	..	3	1	1	1	1	3	..	1	16	
1	3	4	..	12	1	..	2	..	1	2	..	..	2	1	1	10	
..	..	..	..	13	..	..	6	3	1	3	..	4	4	2	2	25	
2	1	2	..	13	2	1	..	1	..	..	3	2	..	..	..	9	
..	2	1	..	3	1	..	1	1	..	..	1	..	..	..	..	4	
1	5	5	6	10	2	2	1	1	2	3	3	1	4	1	1	21	
..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	
5	..	..	..	11	..	..	1	1	1	3	1	3	1	1	..	12	
..	..	..	..	13	4	..	5	2	3	5	8	6	4	8	5	50	
4	3	5	1	3	3	1	1	..	3	1	2	1	..	..	1	13	
9	10	13	10	52	10	5	14	3	1	5	12	5	12	4	2	73	
20	23	29	50	139	24	12	11	15	15	27	27	10	16	12	9	178	
1	1	2	..	1	..	..	1	..	..	..	2	1	..	..	..	4	
..	1	1	..	3	..	..	..	..	1	..	..	1	..	1	..	3	
..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	..	2	
..	..	1	..	1	..	..	1	..	..	1	..	..	..	..	..	2	
118	180	297	733	822	188	115	151	133	118	205	269	202	196	127	128	1832	



TABLE VII.  
**Municipal Hospital.**  
 CLASSIFICATION OF THE ACCOMMODATION AND THE NUMBER OF BEDS OCCUPIED ON  
 31ST DECEMBER, 1939.

Classification of Wards (1)	Number of Wards (2)	BEDS									
		MEN		WOMEN		CHILDREN (under 16 years of age)		Total			
		Provided (3)	Occupied (4)	Provided (5)	Occupied (6)	Provided (7)	Occupied (8)	Provided (9)	Occupied (10)		
1. Medical ..	5	33	4	36	15	..	..	69	19		
2. Surgical ..	8	36	23	40	10	..	..	76	33		
3. Chronic sick ..	8	56	20	24	21	..	..	80	41		
4. Children ..	10	..	..	..	..	82	56	82	56		
5. Tuberculosis ..	4	46	15	..	..	..	..	46	15		
Totals ..	35	171	62	100	46	82	56	353	164		

PUBLIC HEALTH ACT, 1936.  
**TABLE X.—Summary of Births notified to the Medical Officer of Health during the year 1939.**

WARDS	Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total including Still-births		Total No. of Births notified excluding Stillbirths			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
Ayresome	11	16	16	9	14	11	11	13	22	7	8	11	9	16	18	9	4	13	6	17	14	8	14	11	147	141	288	9	6	273
Acklam	8	6	4	2	8	4	3	4	8	11	3	9	8	10	10	4	7	8	7	8	5	5	15	3	86	72	158	3	1	154
Cannon	11	12	11	9	8	13	11	8	13	18	13	18	12	12	11	8	14	10	6	6	16	6	5	6	131	129	260	5	13	242
Cleveland	17	10	7	11	8	14	9	10	10	11	7	3	11	8	11	9	5	8	7	8	2	10	10	10	104	113	217	4	5	208
Exchange	2	7	5	1	5	6	8	6	4	7	7	3	5	3	6	2	5	4	2	3	4	6	7	2	60	50	110	6	1	103
Grove Hill	10	15	7	8	6	12	11	19	14	15	12	8	13	10	8	9	14	12	11	22	11	11	15	15	132	156	288	5	7	276
Linthorpe	13	18	13	17	25	18	21	15	18	11	11	18	19	10	20	21	14	13	17	11	17	17	20	17	208	186	394	7	12	375
Newport	9	12	21	13	12	11	5	14	15	11	5	12	6	13	6	9	8	7	14	5	9	9	9	10	119	126	245	6	6	233
Ormesby	20	14	15	8	11	9	17	17	11	10	16	17	19	8	10	17	15	21	9	7	12	10	11	16	166	154	320	14	6	300
St. Hildas	8	6	3	7	6	7	6	8	8	8	3	7	11	4	6	6	6	6	4	6	4	6	7	8	76	78	154	5	2	147
Vulcan	10	9	11	9	12	8	7	6	8	11	12	10	5	7	9	5	11	8	13	4	6	16	8	6	112	99	211	5	6	200
Non-Residents	5	4	2	3	3	9	4	2	7	5	6	4	8	6	7	4	6	3	2	3	4	2	8	3	62	47	109	12	7	90
<b>TOTALS</b>	124	129	115	97	118	122	113	123	138	125	103	120	126	105	122	103	109	113	100	101	106	107	129	107	1403	1351	2754	81	72	2601
Births notified by:																														
Doctors	26	22	22	18	18	22	22	20	20	20	20	20	13	20	20	20	16	16	14	14	18	17	17	17	226	226				
Reg. Midwives	227	190	190	222	222	214	214	243	243	203	203	218	205	205	205	206	206	187	187	195	219	219	219	219	2,528	2,528				
Other Women, etc.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>TOTALS</b>	253	212	212	240	240	236	236	263	263	223	223	231	225	225	222	222	201	201	213	213	236	236	236	236	2,754	2,754				

TABLE  
INFANT

Nett Deaths from stated Causes

CAUSE OF DEATH		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 months and under 6 months
All causes	Certified	47	6	6	6	65	34	37
	Uncertified	6	..	..	1	6	..	..
Small-pox	.. ..	..	..	..	..	..	..	..
Chicken-pox	.. ..	..	..	..	..	..	..	..
Measles	.. ..	..	..	..	..	..	..	..
Scarlet Fever	.. ..	..	..	..	..	..	..	..
Whooping-Cough	.. ..	..	..	..	1	1	..	3
Diphtheria and Croup	.. ..	..	..	..	..	..	..	..
Erysipelas	.. ..	..	..	..	..	..	..	..
Tuberculous Meningitis	.. ..	..	..	..	..	..	..	1
Abdominal Tuberculosis	.. ..	..	..	..	..	..	..	..
Other Tuberculous Diseases	.. ..	..	..	..	..	..	..	..
Meningitis (not Tuberculous)	.. ..	..	..	..	..	..	1	1
Convulsions	.. ..	1	..	1	..	2	..	1
Laryngitis	.. ..	..	..	..	..	..	..	..
Bronchitis	.. ..	..	..	..	1	1	5	5
Pneumonia (all forms)	.. ..	1	..	2	3	6	14	10
Diarrhoea	.. ..	..	..	..	..	..	3	8
Enteritis	.. ..	..	1	1	..	2	2	2
Gastritis	.. ..	..	..	..	..	..	..	..
Syphilis	.. ..	..	..	..	..	..	1	..
Rickets	.. ..	..	..	..	..	..	1	..
Suffocation, overlying	.. ..	..	..	..	..	..	..	..
Injury at Birth	.. ..	5	1	..	..	6	..	..
Atelectasis	.. ..	5	..	..	..	5	..	..
Congenital Malformations	.. ..	4	1	1	..	6	4	1
Premature Birth	.. ..	25	2	..	1	28	..	1
Atrophy, Debility and Marasmus	.. ..	5	..	1	..	6	1	1
Other Causes	.. ..	7	1	..	..	8	2	3
<b>Total</b>	.. ..	53	6	6	6	71	34	37

## XI.

## MORTALITY, 1939.

at various Ages under One Year.

6 months and under 9 months	9 months and under 12 months	Total Deaths under 1 year	Ayresome	Acklam	Cannou	Cleveland	Exchange	Grove Hill	Linthorpe	Newport	Ormesby	St. Hildas	Vulcan	TOTAL
26	25	187												
..	..	6												
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	3	4	..	..	1	1	..	..	1	..	1	..	..	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	1	6	..	1	1	..	..	..	2	..	2	..	..	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	1	5	1	..	..	1	..	..	..	2	1	..	..	5
..	1	1	..	..	..	..	..	..	..	..	1	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	1	3	1	..	..	..	..	1	..	..	..	1	..	3
1	1	5	..	..	1	..	1	1	2	..	..	..	..	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	1	16	..	2	5	2	..	..	..	4	1	1	1	16
8	10	48	..	..	7	7	3	5	4	7	6	4	5	48
4	1	16	..	..	5	3	1	2	..	3	1	..	1	16
1	..	7	..	..	..	1	..	1	..	1	2	2	..	7
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	1	..	..	..	..	1	..	..	..	..	..	..	1
..	..	1	..	..	1	..	..	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	6	1	..	..	1	..	2	..	..	2	..	..	6
..	..	5	..	..	1	..	1	2	1	..	..	..	..	5
1	..	12	..	..	..	..	..	2	..	1	3	5	1	12
..	..	29	4	..	3	2	1	1	6	5	2	2	3	29
..	2	10	..	..	3	..	2	1	2	1	..	..	1	10
2	3	18	4	..	2	3	..	3	2	1	2	..	1	18
26	25	193	11	3	30	21	10	21	20	25	24	15	13	193

TABLE XII.

## Treatment of Tuberculosis.

## (A) RETURN SHOWING THE WORK OF THE DISPENSARY.

Diagnosis	Pulmonary				Non-Pulmonary				Total				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A.—New Cases examined during the year (excluding contacts)													
(a) Definitely tuberculous ..	57	53	4	9	8	10	25	16	65	63	29	25	182
(b) Diagnosis not completed ..	..	..	..	..	..	..	..	..	15	13	15	10	53
(c) Non-tuberculous .. ..	..	..	..	..	..	..	..	..	60	52	46	25	183
													418
B.—Contacts examined during the year :—													
(a) Definitely tuberculous ..	9	4	1	1	..	..	6	3	9	4	7	4	24
(b) Diagnosis not completed ..	..	..	..	..	..	..	..	..	..	3	5	2	10
(c) Non-tuberculous .. ..	..	..	..	..	..	..	..	..	13	53	124	152	322
													356
C.—Cases written off the Dispensary Register as :—													
(a) Recovered .. ..	2	3	5	10	..	3	3	14	2	6	8	24	40
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous) .. ..	..	..	..	..	..	..	..	..	87	130	186	173	576
													616
D.—Number of Cases on Dispensary Register on December 31st :—													
(a) Definitely tuberculous ..	249	175	77	73	36	45	141	96	285	220	218	169	892
(b) Diagnosis not completed ..	..	..	..	..	..	..	..	..	15	16	20	12	63
													955

1. Number of cases on Dispensary Register on January 1st .. 1010
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years .. .. 44
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme and cases "lost sight of" .. 138
4. Cases written off during the year as Dead (all causes) .. .. 119
5. Number of attendances at the Dispensary (including Contacts) .. 7704
6. Number of Insured Persons under Domiciliary Treatment on the 31st December .. .. .. 50
7. Number of consultations with medical practitioners :—
  - (a) Personal .. .. .. 60
  - (b) Other .. .. .. 429

8. Number of visits by Tuberculosis Officers to homes (including personal consultations) .. .. . 204
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes .. .. . 6926
10. Number of :—
- (a) Specimens of sputum, etc., examined .. .. . 463
- (b) X-ray examinations made in connection with Dispensary work .. .. . 548
11. Number of "Recovered" cases restored to Dispensary Register, and included in A(a) and A(b) above .. .. . 4
12. Number of "T.B. plus" cases on Dispensary Register on December 31st. .. .. . 190
- (B) NUMBER OF DISPENSARIES FOR THE TREATMENT OF TUBERCULOSIS (excluding centres used only for special forms of treatment).
- Provided by the Council .. .. . 1
- Provided by Voluntary Bodies .. .. . ..
- (C) NUMBER OF BEDS AVAILABLE FOR THE TREATMENT OF TUBERCULOSIS ON THE 31ST DECEMBER, IN INSTITUTIONS BELONGING TO THE COUNCIL.

Name of Institution	For Pulmonary Cases		For Non-Pulmonary Cases		Total
	Adults	Children under 15	Adults	Children under 15	
West Lane Sanatorium	36	..	..	..	36
Poole Sanatorium	30	15	..	..	45
Holgate Municipal Hospital .. ..	46	..	..	..	46

TABLE XIV.

## Public Health (Tuberculosis) Regulations, 1930.

PART I.—Summary of Notifications during the period from the 1st January, 1939, to the 31st December, 1939, in the area of the County Borough.

Age Periods	Formal Notifications												Total Notifications	
	Number of Primary Notifications of new cases of tuberculosis													
	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	Total (all ages)		
Pulmonary—														
Males .. ..	..	2	1	4	7	10	14	22	17	17	3	97	99	
Females .. ..	..	2	3	5	19	15	18	13	7	1	..	83	84	
Non-Pulmonary—														
Males .. ..	2	15	10	9	6	1	2	..	1	..	..	46	47	
Females .. ..	3	14	8	6	9	4	2	..	1	..	1	48	48	

## SUPPLEMENTAL RETURN.

PART II.—New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification.

Age Periods	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	Total
Pulmonary—												
Males .. ..	..	1	..	..	..	..	2	..	1	6	..	10
Females .. ..	..	1	..	..	..	1	..	..	..	1	..	3
Non-Pulmonary—												
Males .. ..	..	1	1	1	1	..	..	..	..	1	..	5
Females .. ..	..	3	..	..	..	..	..	..	..	..	..	3

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns { From local Registrars transferable deaths from Registrar General .. ..	6	5
Posthumous notifications .. ..	2	..
"Transfers" from other areas (other than transferable deaths) .. ..	3	2
Other sources if any (specify) .. ..	2	1
	..	..

## PART III.

## NOTIFICATION REGISTER.

	Pulmonary			Non-Pulmonary			Total cases
	M.	F.	Total	M.	F.	Total	
Number of cases of Tuberculosis remaining at the 31st December, 1939, on the Register of Notifications kept by the Medical Officer of Health for the County Borough .. ..	679	506	1185	351	302	652	1837
Number of cases removed from the Register during the year by reason <i>inter alia</i> of:—							
1. Withdrawal of notification .. ..	..	1	1	..	..	..	1
2. Recovery from the disease .. ..	7	11	18	2	15	17	35
3. Death .. .. ..	76	48	124	18	19	37	161
4. Otherwise .. .. ..	3	4	7	2	3	5	12

TABLE XV.

## Factories Act, 1937.

## 1.—INSPECTIONS

Premises	Inspections	Written Notices	Prosecutions
Factories with mechanical power .. ..	1156	22	..
Factories without mechanical power .. ..	523	8	..
Other premises .. .. ..	293	..	..
under the Act (including works of building and engineering construction but not including outworkers' premises).			
Total .. .. ..	1972	30	..

## 2.—DEFECTS FOUND

Particulars	Found	Remedied	Referred to H.M.I.	Prosecutions
Want of cleanliness S1 .. ..	6	6	..	..
Overcrowding S2 .. .. ..	..	..	..	..
Unreasonable temperature S3 .. ..	..	..	..	..
Inadequate ventilation S4 .. .. ..	..	..	..	..
Ineffective drainage of floors S6 .. ..	1	1	..	..
Sanitary Conveniences S7 :—				
Insufficient .. .. ..	4	3	..	..
Unsuitable or defective .. .. ..	18	16	..	..
Not separate for sexes .. .. ..	1	1	..	..
Other offences .. .. ..	..	..	..	..
(Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.)				
Total .. .. ..	30	27	..	..



TABLE XVI.

## Cancer.

DEATH RATES PER 1,000

Year				Middlesbrough	England and Wales
1935	..	..	..	1.42	1.59
1936	..	..	..	1.44	1.62
1937	..	..	..	1.44	1.63
1938	..	..	..	1.53	1.66
1939	..	..	..	1.33	1.66

TABLE XVII.

## Deaths from Cancer.

AGE DISTRIBUTION.

At ages		Male	Female	Total
0 to 1 years		1	1	2
1 to 5 years	..	—	—	—
5 to 15 years	..	—	—	—
15 to 25 years	..	—	1	1
25 to 35 years	..	4	3	7
35 to 45 years	..	2	11	13
45 to 55 years	..	20	22	42
55 to 65 years	..	31	21	52
65 to 75 years	..	35	30	65
75 and over	..	13	12	25
Total ..	..	106	101	207











