

[Report 1940] / Medical Officer of Health, Middlesbrough County Borough.

Contributors

Middlesbrough (England). County Borough Council.

Publication/Creation

1940

Persistent URL

<https://wellcomecollection.org/works/yem7fkbb>

License and attribution

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

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

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



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

LIBRARY

COUNTY BOROUGH OF MIDDLESBROUGH.



ANNUAL REPORT

OF THE

Medical Officer of Health

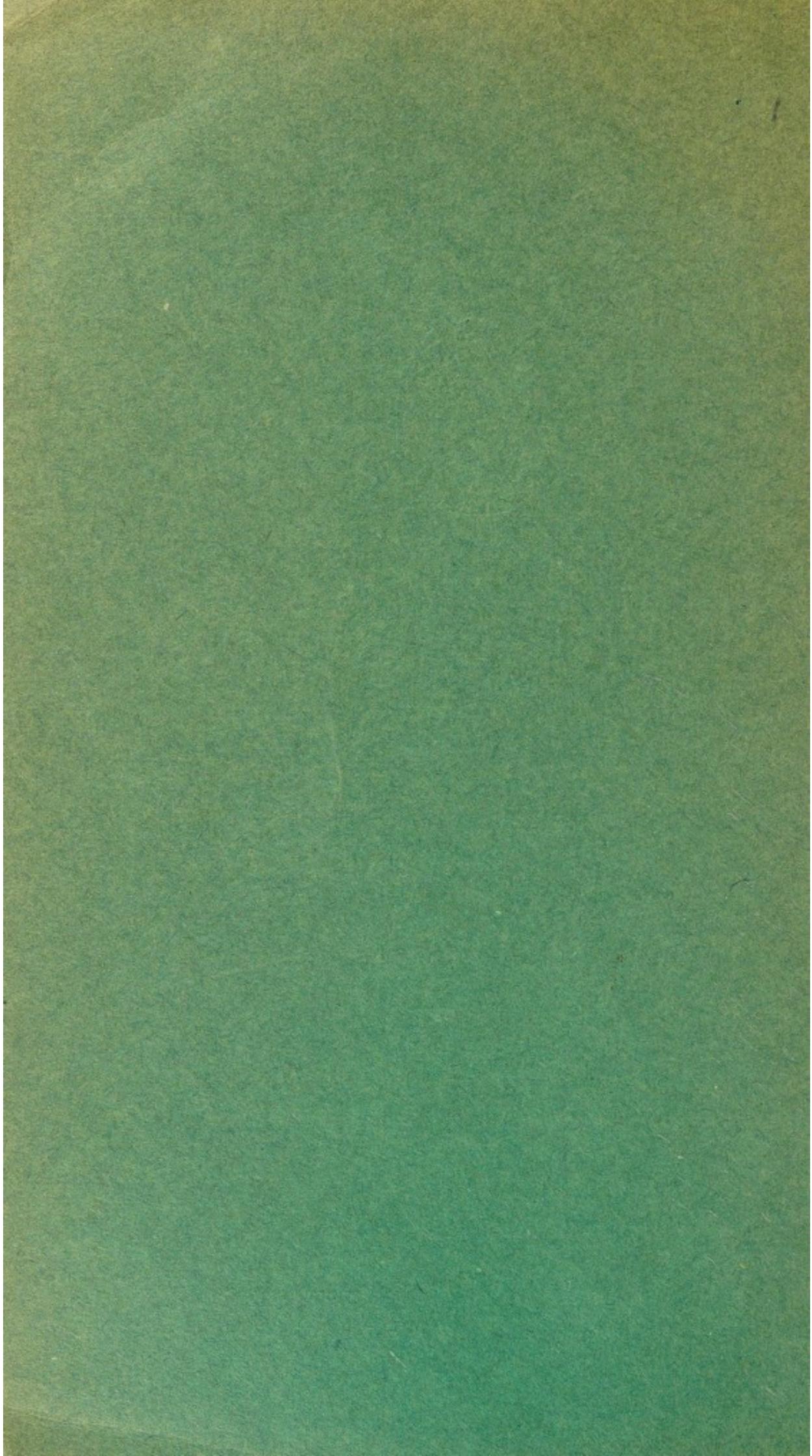
FOR THE YEAR

1940,

BY

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

JORDISON & CO., LTD., PRINTERS, MIDDLESBROUGH.



COUNTY BOROUGH OF MIDDLESBROUGH.



ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1940,

BY

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



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

MEMBERS OF THE HEALTH COMMITTEE, 1940-41.

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, 1940-41.

Chairman :—Councillor A. COOPER.

COMMITTEE—

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

Alderman Mrs. H. M. GUTHRIE, J.P.	Councillor R. V. C. GRAY, B.A.
Alderman E. SPENCE, O.B.E., J.P.	Councillor T. MEEHAN, J.P.
Councillor G. CARTER.	Councillor A. C. MITCHELL.
Councillor A. H. COCKS.	Councillor J. NUGENT.
Councillor W. ECKERT.	Councillor J. W. WELCH, J.P.

**MEMBERS OF THE MATERNITY AND CHILD WELFARE
COMMITTEE, 1940-41.**

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

COMMITTEE :—

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

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

STAFF OF THE HEALTH DEPARTMENT, 1940.

Medical Officer of Health and Chief Medical Adviser :—

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

Deputy Medical Officer of Health :—

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

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 :—

‡R. L. BURKILL.

*‡T. E. PETERSON.

*‡S. E. ELLIS.

*‡G. A. PRICE. (To July, 1940.)

†A. W. LUCAS.

†H. WATSON.

*‡W. M. MATHEWS.

*‡W. W. WHITE.

*‡H. WOODCOCK.

Shops Inspector :—

R. G. THOMPSON.

Housing Visitor :—

L. GOLDSBROUGH.

Health Visitors :—

- | | |
|---|--|
| °L. BELL (Supervisor)
(to Mar., 1940). | G. LAFFERTY, S.R.N., S.C.M.
(to Feb., 1940). |
| °R. LAMB, S.R.N., S.C.M. (Supervisor)
(from Aug., 1940). | I. MATHISON, S.R.N., S.C.M.
(from April, 1940). |
| I. BURT, S.R.N., S.C.M.
(from June, 1940). | °I. PALING, S.R.N., S.C.M. |
| °A. E. HAGAN, S.R.N., S.C.M. | °R. SPITTEL, S.R.N., S.C.M.
(to May, 1940). |
| °A. KNOX, S.R.N., S.C.M. | |

Tuberculosis Nurses :—

- D. E. HALL, S.R.N.
A. S. HAYWOOD, S.R.N. (from Dec., 1940).
M. OWEN (to Sept., 1940).
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). | E. McINTOSH, S.C.M. |
| M. ABBOTT, S.C.M. | C. MCKINLAY, S.C.M. |
| D. M. BELL, S.C.M.
(to July, 1940). | G. E. RAILSTON, S.R.N., S.C.M. |
| E. BRACE, S.R.N., S.C.M. | S. J. SCRIMGOUR, S.C.M. |
| A. GIBSON, S.C.M. | K. M. TIERNAN, S.R.N., S.C.M.
(from May, 1940). |
| B. A. HAGAN, S.R.N., S.C.M. | W. A. TORR, S.R.N., S.C.M.
(to April, 1940). |
| V. LEWIS, S.R.N., S.C.M. | S. WETHERELL, 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.
D. GARDNER, S.R.N., S.C.M., Hemlington Hospital.
H. KIRKBRIDE, S.R.N., S.C.M., Municipal Maternity Hospital.
N. PRICE, S.R.N., Poole Sanatorium, Nunthorpe (to Dec., 1940).

Vaccination Officer :

J. COSTELLO.

Veterinary Surgeon :—

*S. E. MORTON, M.R.C.V.S. (to April, 1940).

*W. G. HAGGIE, M.R.C.V.S. (from April, 1940).

Borough Analysts :—

§E. W. JACKSON, F.I.C.

§A. SCHOLES, F.I.C.

Chief Clerk :—

†J. W. RAWDON.

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 :—

J. F. CLARK, L.R.C.P., L.R.C.S., L.R.F.P.S. (to Jan., 1940).

W. E. SMITHSON, M.R.C.S., L.R.C.P. (from Feb. to Oct., 1940).

A. J. M. CATHRO, M.B., Ch.B. (from Dec., 1940).

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, 1940.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

MR. CHAIRMAN, MADAM AND GENTLEMEN,

This Report, like the previous one, is much abridged.

The Registrar-General estimates the population at 129,800 as compared with 139,900 in 1939 and 140,000 in 1936.

The figures relate to civilian population only and do not include Middlesbrough residents serving in the Forces elsewhere or Service personnel from elsewhere drafted to this area. I am sure there has been no reduction in the total population of Middlesbrough.

The birth-rate shows a sharp increase and is the highest since 1931. The birth-rate for England and Wales shows a slight decrease.

The death-rate also shows a sharp increase and is the highest since 1929. The death-rate for England and Wales shows an even sharper increase relatively and even though the Middlesbrough rate is higher than in previous years, it is now below the average rate of the principal towns of this country. The cause of these increased death-rates is not far to seek and although no precise information is available, it is a safe assumption that the other countries engaged in hostilities show an even greater increase in their death-rates.

It is satisfactory to note that the Middlesbrough infantile and maternal mortality rates have fallen, although they are still higher than the corresponding mortality rates for the country generally.

The number of notifications of infectious diseases fell to nearly half of that of 1939 ; accounted for almost entirely by the small number of cases of Measles.

Since 1929, there has been a steady decline in the percentage number of children successfully vaccinated until 1939, which shows an increase.

The Cancer death-rate is the highest recorded, but taken in conjunction with the lower death-rate in 1939, there is but a slight increase. Nevertheless, it is true to say that the statistics over a long period of years present a slow but steady increase. The figures for the country generally are higher than those of Middlesbrough and show, also, a steady increase.

A happy feature of the Chief Sanitary Inspector's Report is the greatly increased amount and value of materials recovered in the course of refuse disposal ; conclusive evidence of a salvage scheme creditably and efficiently conceived and managed.

Your Health and Hospital Services continue to function well and the quickening tempo of the war effort has necessitated ever increasing vigilance and painstaking investigations followed by the needed preventive action. More than ever is the Department required as the guardian of the Public Health.

I express my grateful thanks to the Chairman and to the Members of the Committees I serve and to my colleagues of the Municipal Medical Services for their continued guidance, loyalty and co-operation.

I am, Mr. Chairman, Madam and Gentlemen,

Your obedient Servant,

C. McKeath Brown

Medical Officer of Health.

Health Department,
Municipal Buildings,
Middlesbrough.

July, 1941.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres)	7,205
Estimated Population (Mid-1940)	129,800
Number of Inhabited Houses (end of 1940)	36,017
Rateable Value	£761,567
Product of a penny rate	£2,800
Number of Live Births :—	
(a) For Birth-Rate :—	
Male	
Female	
Total	
Legitimate	2,570
Illegitimate	109
Total	2,679
(b) For Infant and Maternal Mortality—	
Legitimate	2,540
Illegitimate	109
Total	2,649
Number of Still Births—	
Legitimate	119
Illegitimate	10
Total	129
Total No. of Births (Live and Still)—	
(a) For Birth-Rate	2,808
(b) For Infantile and Maternal Mortality	2,777
Deaths	1,956
Deaths from :—	
Puerperal Sepsis	1
Other puerperal causes	8
All puerperal causes	9
Typhoid and Paratyphoid Fevers	1
Measles	—
Scarlet Fever	1
Whooping Cough	2
Diphtheria	32
Influenza	37
Violence	136
Diarrhoea (under 2 years)	25
Cancer	203
Deaths (under 1 year) :—	
Male	
Female	
Total	
Legitimate	184
Illegitimate	8
Total	192

Birth Rates and Death Rates, 1940.

	Middlesbrough	England & Wales	126 County Boroughs & Great Towns
Rate per 1,000 Population :—			
Live Births	20.6	14.6	16.0
Still-births	0.99	0.55	0.64
Annual Death Rate per 1,000 Population :—			
All causes	15.1	14.3	15.8
Typhoid and Paratyphoid Fevers			
Typhoid	0.01	0.00	0.00
Paratyphoid	0.00	0.00	0.00
Smallpox	0.00	0.00	0.00
Measles	0.00	0.02	0.02
Scarlet Fever	0.01	0.00	0.00
Whooping Cough	0.02	0.02	0.02
Diphtheria	0.25	0.06	0.07
Influenza	0.29	0.32	0.29
Rate per 1,000 total (live and still) births :—			
Still-births	46.1	36.0	—
Rate per 1,000 Live Births :—			
Diarrhoea and Enteritis (under 2 years) ..	9.3	4.6	5.9
Maternal Mortality Rate per 1,000 Total Births :—			
Puerperal Sepsis ..	0.36	0.52	
Other puerperal causes	2.88	1.64	
All puerperal causes ..	3.24	2.16	
Death Rate of Infants under one year of age :—			
All infants per 1,000 live births			72
Legitimate infants per 1,000 legitimate live births ..			71
Illegitimate infants per 1,000 illegitimate live births ..			73

COMPARATIVE RATES.

	M'bro. 1940	M'bro. 1939	England & Wales 1940	126 County Boroughs & Great Towns
Birth Rate (live births)	20.6	18.5	14.6	16.0
Death Rate	15.1	13.3	14.3	15.8
Infant Mortality Rate	72	75	55	61
Maternal Mortality Rate	3.24	4.43	2.16	

WARD STATISTICS.

Ward	No. of cases of Infectious Diseases per 1,000 population	Death Rate	Birth Rate	Infant Mortality Rate
Ayresome ..	25.12	14.74	17.53	72
Acklam	11.91	13.10	16.32	46
Cannon	20.72	19.93	28.61	107
Cleveland ..	21.51	16.17	23.42	71
Exchange ..	11.49	15.79	18.32	42
Grove Hill ..	17.40	9.65	13.89	46
Linthorpe ..	17.95	9.57	12.92	64
Newport	22.50	17.75	25.07	123
Ormesby ..	18.50	15.87	17.91	89
St. Hilda's ..	31.98	27.59	26.31	61
Vulcan	15.39	16.00	21.91	61

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

- (1) The estimated population for 1940 is 129,800 which is 10,100 less than for 1939. These figures relate to civilian population, and do not include either men who have joined the Forces or Military men drafted into the town.
- (2) The number of live births is 2,679, an increase of 96 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 128 more than in 1939. There has been a corresponding increase throughout the country generally. The crude death rate of Middlesbrough is higher than that of England and Wales. 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 1.16 so that the standardized rates for 1940 are :—

Middlesbrough	..	..	..	17.51
England and Wales	..	..	..	14.3

- (4) The Maternal Mortality Rate is less than in 1939, but considerably higher than the corresponding rate for England and Wales.
- (5) The number of deaths from Cancer is 203, 23 more than in 1939.
- (6) The death-rate of infants under one year per thousand live births is 72 as compared with 75 for 1939 and 55 for England and Wales.
- (7) In 1940, 483 cases of Scarlet Fever were notified as compared with 149 in 1939 and 279 cases of Diphtheria were notified as compared with 266 in 1939.

There were 388 cases of Measles in 1940 as compared with 3,183 cases in 1939.

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.

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.

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 19 trained nurses, 52 probationer nurses and one X-ray assistant and masseuse.

BED ACCOMMODATION.

Table V, page 61, shows the classification of the accommodation and the number of beds occupied on the 31st December, 1940.

ADMISSIONS.

Total number of admissions (including infants born in Hospital) 2,017

MORTALITY.

Total number of deaths 296

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.
14	7	5	33	25	37	71	104

or percentages of total deaths :—

4.73	2.37	1.69	11.15	8.44	12.50	23.99	35.13
------	------	------	-------	------	-------	-------	-------

It will be noted from the above table that 59.12% of the deaths occurred in patients over 60 years of age.

DISCHARGES.

Total number of discharges 1,761

DURATION OF STAY OF PATIENTS.

DISCHARGED OR DIED.	..	..	..	..	2,057
(1) Under four weeks	..	..	..	..	1,388
(2) Four weeks and under thirteen weeks	..	..	..	..	488
(3) Thirteen weeks or more	..	..	..	..	181

OCCUPIED BEDS.

(a) Average during the year 198
 (b) Highest number, 254 on 22nd February, 1940.
 (c) Lowest number, 115 on 28th December, 1940.

THE TRAINING OF NURSES.

The Examination results are as follows :—

	Passes.
Preliminary State Examinations ..	16
Final State Examinations	7

DENTAL DEPARTMENT.

Number of individuals seen . . . . .	..	..	428
Number of attendances for treatment . . . . .	..	..	626

EAR, NOSE AND THROAT DEPARTMENT.

The number of cases dealt with during the year was 98, and the number of attendances, 114.

Total Ear, Nose and Throat operations	86
---	----	----	----

OPHTHALMIC DEPARTMENT.

Number of cases seen during the year . . . . .	..	..	107
Attendances of above patients made . . . . .	..	..	137
Number of operations performed . . . . .	..	..	8

X-RAY AND ELECTRICAL DEPARTMENTS.

Total number of patients seen . . . . .	..	..	107
Number of attendances . . . . .	..	..	6,428

X-RAY DEPARTMENT :—

Films and Screenings . . . . .	..	..	..	2,237
Treatments . . . . .	..	..	..	156

DEEP THERAPY DEPARTMENT :—

Treatments	1,072
----------------------	----	----	----	-------

ELECTRO-THERAPY DEPARTMENT :—

Diathermy Treatments . . . . .	..	..	..	51
Ionizations . . . . .	..	..	..	78
Stimulations . . . . .	..	..	..	61
Radiant Heat . . . . .	..	..	..	437
Massage . . . . .	..	..	..	262

SUNLIGHT DEPARTMENT :—

Treatments	3,587
----------------------	----	----	----	----	-------

OUT-PATIENTS DEPARTMENT.

Number of patients seen . . . . .	..	..	..	538
Number of attendances . . . . .	..	..	..	3,189

OPERATIONS.

The number of major surgical operations performed under general anaesthetics (excluding dental operations) was 360. Of these, 96 were abdominal sections.

HEMLINGTON HOSPITAL.

The extensions to this hospital were completed early in 1940 and were taken over for storage purposes on the 16th April, 1940.

The reception of patients was commenced on the 28th May, 1940.

Children were transferred to Hemlington Hospital from several of the Middlesbrough hospitals on the 18th November, 1940.

Adults :	Number admitted during the year	..	1,000
	Number discharged during the year (including deaths)	.. .	835
	Number of deaths .. .. .	..	3
	Number in hospital on 31st December, 1940	.. ..	165
Children :	Number admitted during the year	..	77
	Number discharged during the year (including deaths)	..	36
	Number of deaths .. .. .	..	3
	Number in hospital on 31st December, 1940	.. ..	41
Number of Operations	.. .. .	..	560

POOLE SANATORIUM.

This Sanatorium was closed on the 13th February, 1940 and the patients transferred to West Lane Hospital.

Poole Sanatorium ceases to be administered by the Middlesbrough Corporation and is in course of reconstruction under the control of the Poole Joint Sanatorium Board of which Middlesbrough Corporation is a constituent member.

Mental Defectives :—

The Middlesbrough Corporation is a partner in the Prudhoe Hall Colony Joint Board. On the 31st December, 1940, 104 Mental Defectives were in residence there. The Education Committee have a Special School for Mental Defectives at which 154 boys

and girls are in attendance. Other mental defectives were receiving institutional treatment on the 31st December, 1940, as follows :—

Holgate Public Assistance Institution	6
West Hartlepool Public Assistance Institution	5
Rampton State Institution	4
Whittington Hall	1
South Shields Public Assistance Institution ..	2
Monkton Hall	1
Royal Albert Institution	1
Bishop Auckland Public Assistance Institution	1
St. Joseph's Institution	1
Etloe House	1
Lisieux Hall	2
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, 1940, was 35. This number included 11 employed at the Municipal Maternity Hospital and 3 at the Municipal Hospital.

The number of births notified by midwives was 2,588 out of a total of 2,751 notified births in the area.

Medical aid was summoned by midwives under Section 14 (1) of the Midwives Act on 472 occasions.

Midwives acted as Maternity Nurses in 206 cases.

Municipal Midwifery Service.

There are 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	.. ..	1,158
Total number of Deliveries	.. ..	1,085

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 1940.

Total number of admissions	.. ..	1,037
Ante-natal cases admitted	.. ..	107
Emergencies	.. ..	157
Booked cases	.. ..	880
Total number of deliveries	.. ..	904
Number of cases delivered by doctors	..	96
Number of cases delivered by midwives	..	808
Number of cases notified as Puerperal Pyrexia		26
Number of cases transferred to West Lane Isolation Hospital	.. ..	12
Number of cases notified as Pemphigus	..	10
Number of cases notified as Ophthalmia Neonatorum	.. ..	3

Ante-natal Clinics.

Ante-natal clinics are held at the Maternity Hospital four mornings a week. Patients booked for delivery at the Hospital attend regularly throughout the pregnancy as required by the Medical Officer who takes the Clinic. Women who will be attended at home for their confinement by municipal or private midwives are also seen in conjunction with the booked hospital cases on four mornings a week at the Maternity Hospital.

In the case of the latter, should any medical treatment be necessary or any abnormality be diagnosed or suspected, a note is sent advising the patient's own midwife of the fact and if necessary, recommending the calling in of the patient's own doctor.

In addition to the Maternity Hospital clinics, two extra clinics are held each month in the out-lying districts, namely, North Ormesby Centre and American Red Cross Centre.

A post-natal clinic is held at the Maternity Hospital on one afternoon per week. Patients who have been delivered at the Maternity Hospital attend this clinic and others are referred to it by midwives and health visitors. Special cases are seen by appointment at the Maternity and Child Welfare Office, 47 Grange Road.

Total number of attendances at Maternity	
Hospital Clinic	5,194
Number of first attendances	896
Number of re-attendances	4,298
Total number of all ante-natal attendances	
for the year	5,387
Total number of other first attendances	
for the year	98
Total number of mothers who attended	
the clinics	994

Of 2,751 notified births, 994 expectant mothers or 36.1% had ante-natal care at a municipal clinic.

Post Natal Clinics.

Total number of attendances at post-natal clinics	325
---	-----

Caesarean Sections.

Number of Caesarean Sections during 1940 ..	15
Booked cases	10
Middlesbrough emergencies	1
North Riding emergencies	4

Municipal Maternity Hospital—Maternal Deaths.

Number of maternal deaths	8
-----------------------------------	---

CERTIFIED CAUSES OF DEATH :—

Acute toxaemia of pregnancy	1
Eclampsia	1
Shock. Ante-partum haemorrhage. Mitral stenosis	1
Post-partum haemorrhage	1
Acute peritonitis following Caesarean Section and delayed labour	1
Obstetrical shock due to complicated parturition.	
Pre-eclamptic toxaemia	1
Valvular disease of the heart. Pregnancy ..	1
Shock following prolonged labour. Post-partum haemorrhage	1

Municipal Maternity Hospital—Still-Births.

Number of Still-births	68
------------------------	----	----	----	----	----

CAUSES :—

Toxaemia of pregnancy	..	..	..	..	12
Dystocia	..	..	..	..	16
Ante-partum haemorrhage	..	..	..	..	14
Developmental abnormalities	..	..	..	..	7
Prolapse of cord	..	..	..	..	2
Illnesses of mother other than those above	..	..	..	..	3
Hydramnios	..	..	..	..	2
Unknown causes	..	..	..	..	8
Prematurity	..	..	..	..	4

Municipal Maternity Hospital—Neo-natal Deaths.

Number of neo-natal deaths	22
----------------------------	----	----	----	----

CAUSES :—

Prematurity	..	..	..	..	8
Intracranial haemorrhage	..	..	..	..	2
Broncho-pneumonia	..	..	..	..	4
Asphyxia neonatorum	..	..	..	..	2
Spina bifida	..	..	..	..	1
Congenital debility	..	..	..	..	5

Training of Pupil Midwives.

The Part I training of pupil midwives under Section B of the rules of the Central Midwives Board was commenced at the Municipal Maternity Hospital at the end of April, 1939. During 1940, 23 pupils successfully passed the examination. At the end of the year there were 15 midwives in training.

Home Nursing.

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	..	..	..	..	..	132
year was	..	..	..	..	..

Maternal Deaths.

Total number of maternal deaths in the area ..	17
CAUSES NOT PREVIOUSLY GIVEN	9
Cardiac failure. Pulmonary congestion	1
Eclampsia—7 months pregnancy	1
Eclampsia—Congestion of lungs	1
Congestion and cardiac failure. Protracted labour	1
Puerperal septicaemia	1
Myocardial degeneration. Anaemia. Abortion ..	1
Haemorrhagic shock. Ante and post-partum haemorrhage	1
Hyperemesis gravidarum	1
Toxaemia. Gross dental sepsis complicated by pregnancy and diabetes	1

Investigation of maternal deaths is carried out by the Assistant Medical Officer of Health, the necessary particulars being obtained from the doctor and midwife in charge of the case, and if considered necessary, the patient's relatives are interviewed by the Health Visitor for earlier history and other details.

Still-Births.

Total number of still-births in the area	136
At the Municipal Maternity Hospital	68
CAUSES NOT PREVIOUSLY GIVEN	68
Toxaemia of pregnancy	2
Dystocia	5
Ante-partum haemorrhage	9
Illness of mother other than Toxaemia	9
Congenital malformation	6
Prematurity	25
Hydramnios	1
Prolapse of cord	3
Unknown causes	8

Neo-natal Deaths.

Total number of neo-natal deaths in the area ..	95
At the Maternity Hospital	22
CAUSES NOT PREVIOUSLY GIVEN	73
Prematurity	30
Pneumonia	4
Congenital deformity	12
Cephalocele	1
Heart disease	5
Spina bifida	1
Hydrocephalus	3
Anencephaly	2
Convulsions	13
Asphyxia neonatorum	1
Defective vitality	4
Haemorrhagic disease	1
Atelectasis	3
Inanition at birth	2
Acute gastro-enteritis	1
Marasmus	2

Ophthalmia Neonatorum.

Cases of Ophthalmia Neonatorum notified in the area	7
--	---

CASES TREATED.			RESULTS.		
At Home	In Hospital	Vision Un- impaired	Vision Impaired	Total Blindness	Deaths
2	5	6	1	—	—

Puerperal Pyrexia.

Total number of cases of Puerperal Pyrexia notified	41
Of these, 20 were treated in Hospital.	

Dental Treatment.

A dental clinic is held once a week at the Municipal Hospital and cases are referred both from the Ante-natal and Infant clinics.

Sunlight Treatment.

Sessions are held four times a week for children under five years, at the Municipal Hospital.

Radiology.

Expectant mothers when required to, for diagnostic purposes, attend the Municipal Hospital for X-ray.

Unmarried Mothers.

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

Convalescent Homes.

The Sister Purvis Holiday Home at Carlton-in-Cleveland is maintained by some of the members of the Voluntary Committee at the Elizabeth Purvis Centre and a number of mothers and babies spend two weeks there in the summer months.

Health Visitors.

The municipality employs six whole time health visitors. Their duties include home visiting, attendance at Infant, Ante-natal and Sunlight Treatment Clinics.

Each health visitor visits in her own area, each notified birth, infants under one, children up to five and expectant and nursing mothers. She also visits in case of ophthalmia to assist and to ensure that the mother understands instructions. Visits are also made in the investigation of maternal deaths, puerperal pyrexia, still-births and neo-natal deaths.

The Infant cards remain in the health visitors' files until the child is five years old. If a child does not attend a centre regularly, he or she is visited at regular intervals until school age is reached.

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

To expectant mothers	..	First visits	..	199
		Total visits	..	268
To children under 1 year		First visits	..	2,599
		Total visits	..	7,939
To children between				
1 and 5 years	..	Total visits	..	4,940
Percentage of notified births				
who received a	..	First visit	..	93.0

Infant Welfare Centres.

There are seven Municipal Infant Welfare Centres.

Average attendance per session of children :—

Elizabeth Purvis Centre	..	..	..	..	177
Grove Hill Centre	..	..	..	..	87
Cannon Centre	..	..	..	..	168
American Red Cross Centre	..	..	..	..	56
Ayresome Centre.. . .	..	..	..	..	100
North Ormesby Centre	..	..	..	..	74
Whinney Banks Centre	..	..	..	..	77

Average attendance of children per session at all Centres, 105.

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

By children under 1 year	..	..	..	..	23,037
By children between 1 and 5 years	..	..	..	..	9,457

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

Children under 1 year	..	..	..	..	1,756
Children between 1 and 5 years	..	..	..	..	245

Percentage of live births who attended a Centre for the first time during the year, 67.0.

Infant Life Protection.

Number of foster parents on register at the end of the year	..	..	..	..	16
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 reports 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 have been carried out during the year :—

	Drains.		Lineal Yards.
Corporation Houses	.. .. .	..	—
Air Raid Shelters	.. .. .	..	450
Private Enterprise	.. .. .	..	1,560
	Total	.. .. .	2,010

The Chief Sanitary Inspector is responsible for the following Section :—

PUBLIC CLEANSING.

HOUSEHOLD AND TRADE REFUSE.

Collection.

A weekly collection is made from the 36,017 houses and shops within the Borough (an increase of 17 since the beginning of the year) and a daily collection from all commercial hotels.

The collection is made by 21 motor vehicles (no horse labour being used), consisting of 1 Ford (for Organic Refuse), 1 Austin (for Kitchen Waste), 2 Dennis, 3 Karriers, 5 S. D. Freighters and 9 Scammells.

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 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 shews the classification and tonnage of refuse collected during the year :—

Household Refuse	30,935 tons
Trade Refuse	988 „
Organic Refuse	274 „
Nightsoil (including Slaughterhouse Refuse)	2,719 „
Total	34,916 tons

34,916 tons represents 249.4 tons per 1,000 population per annum or 13.7 cwts. per 1,000 population per day.

Disposal.

During the year, 36,026 tons of refuse were disposed of as under :—

Method of disposal.	Tonnage.	Percentage.
Separation and Incineration ..	29,493	81.87
Barging to Sea	—	—
Controlled Tipping	1,107	3.07
Organic Plant	274	0.76
Miscellaneous	5,152	14.30
Total ..	36,026 tons	100.00%

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

	Tons.	Percentages.
Dust	8,049	27.29
Cinders	1,969	6.68
Metals	891	3.02
Bottles	253	0.86
Rags	13	0.04
Paper	284	0.96
Balance to Fires	18,034	61.15
Total ..	29,493 tons	100.00%

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

	Weight.				Value		
	Tons	Cwts.	Qrs.	Lbs.	£	s.	d.
Waste Paper (Clean) ..	682	4	—	—	2,753	4	3
Waste Paper (Other) ..	49	12	1	—	272	17	6
FERROUS METALS :							
Black Scrap ..	—	—	—	—	—	—	—
Destructor Scrap ..	728	14	—	—	1,676	14	3
Other Scrap ..	147	5	3	21	241	8	4
NON-FERROUS METALS :							
Aluminium Scrap ..	1	9	1	7	76	5	5
Copper Scrap ..	—	8	2	7	14	19	8
Brass Scrap ..	1	6	3	21	26	1	3
Zinc Scrap ..	—	6	2	—	4	9	6
Lead Scrap ..	—	9	3	—	7	11	6
Other Metals Scrap ..	10	18	—	—	33	3	10
Textiles ..	12	7	2	—	79	5	11
Bottles, Jars, etc. ..	252	10	2	—	235	8	10
Cinder Fuel ..	637	15	3	—	185	12	10
Screened Dust ..	44	15	—	—	1	17	9
Stable and other Manure	644	2	—	—	118	12	4
Kitchen Waste ..	178	14	2	18	200	7	0
Meat Meal ..	35	6	—	—	545	11	3
Dried Blood ..	—	5	—	7	4	0	0
Fertiliser ..	15	15	2	14	111	13	8
Fats ..	5	13	—	26	95	9	10
Fish Meal ..	17	9	1	14	287	4	0
Miscellaneous ..	—	—	—	—	14	3	10
	<u>3,467</u>	<u>9</u>	<u>3</u>	<u>23</u>	<u>£6,986</u>	<u>2</u>	<u>9</u>

The value of materials recovered shows an increase of £4,628 7s. 11d. over the previous year.

The costs of collection and disposal for the years 1939 and 1940 from the figures in the Estimates supplied by the Borough Treasurer are as follows :—

	1939.	1940.
Cost of Collection	£17,558	£20,649
Cost of Disposal	£7,711	£5,827

SANITARY INSPECTION OF AREA.

Description of Work carried out.	1939.	1940.
Number of Inspections made	15,265	8,903
Number of re-inspections made	19,792	13,922
Number of Food Inspections	14,481	2,798
Number of notices and letters served ..	7,092	5,062
Number of Interviews	1,207	672
Drainage.		
Smoke Test applied to new drains ..	1,018	91
Smoke Test applied to old drains ..	67	23
Re-constructed	146	42
Cleansed and repaired	378	563
Sink Waste Pipes trapped or renewed ..	156	126
Defective yard gullies	91	38
Grates provided for gully traps ..	26	15
Cleared with Cooper's Vacuum Pump (free of cost to owners)	1,960	1,559
Defective gully covers	9	12
Water-Closets.		
Provided with a sufficient water supply	350	1,262
Basins renewed	165	683
Cisterns repaired or renewed	299	354
Foul water-closet drains	155	293
Defective closet doors	114	69
Dilapidated closet seats	86	90
Defective closet roofs	145	66
Defective joint between flush pipe and water-closet basin	30	48
Houses.		
Roofs &c. repaired	349	269
Water spouts fixed or repaired	523	531
New sinks fixed	96	34
Accumulations of refuse or manure removed	9	42
Nuisances arising from the keeping of animals, poultry, etc.	—	—
Pavement of yards repaired	159	67
New floors laid or repaired	191	77
Provided with a sufficient water supply	45	31
Dilapidated dustbins	2,277	1,357
Defective chimneys	34	35
Defective ceilings	125	58
Defective sash-cords and windows ..	385	202
Defective fireplaces	89	44

	1939	1940
	<hr/>	<hr/>
Defective fire ranges	200	93
Defective walls	1,455	232
Defective ovens	1	1
Dilapidated set-pots	63	42
Dilapidated set-pot firebars	9	4
Defective handrails	28	13
Dirty premises	6	6
Defective flues	97	41
Defective yard doors	100	76
Dilapidated back passage surfaces	116	40
Defective coalhouse doors	101	52
Defective coalhouse door frames	50	21
Defective coalhouse floors	17	2
Defective coalhouse roofs	79	34
Miscellaneous works not classified	622	496

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 :—

1936	12,167
1937	8,754
1938	10,623
1939	9,376
1940	7,561

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

Apparently dangerous structures	38
Miscellaneous	10

	1939.	1940.
	<hr/>	<hr/>
Number of Housing Cards compiled	1,534	536

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. 395 visits of inspection and reports have been made during the year.

2,699 visits were paid by the Housing Visitor to houses on the Corporation Estates with good results.

Infectious Diseases.

During the year 1,165 houses have been inspected, incurring 342 re-inspections, compared with 1,098 inspections and 2,004 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 2,273 as compared with 2,155 last year.

Offensive Trades.

Number on Register	..	..	..	..	32
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	..	..	..	..	5
Number of Notices to limewash	..	..	..	..	4
Letters of warning for minor contraventions of					
Byelaws	..	..	..	..	4

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.

Fish Friers :

Number on Register	..	..	..	..	127
Number discontinued during the year	..	..	..	..	1
Number registered during the year	..	..	..	..	1
Number of inspections made	..	..	..	..	106
Number of notices to limewash	..	..	..	..	8
Number of letters sent re minor contraventions, alterations to premises, etc.	..	..	..	..	12

Rats and Mice Destruction Act, 1919.

During the year numerous complaints were received necessitating 252 visits to rat-infested premises (houses, shops or warehouses) within the Borough.

The 3 Official Rat Clubs have continued their operations against these pests with good results. 211 places have been visited and 1,769 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.

Hairdressers :

Section 286 of the Middlesbrough Corporation Act, 1933, makes it compulsory for all hairdressers and barbers to be registered with the Local Authority.

Number on Register	151
Number discontinued during the year	13
Number registered during the year	9
Number of inspections made	24
Number of letters sent re minor contraventions, alterations to premises, etc.	5

Shops and Offices.**NUMBER OF VISITS MADE :—**

Number of Visits	20
Number of Re-visits	2,204
Number of Patrol Visits	27
Number Closed down	75
Number of Interviews	71
Total	2,397

SUMMARY.

Cinemas	13
Coal Dealers	67
General Dealers	536
Drapers, Clothiers, Outfitters	241
Grocers	191
Fruiterers, Florists, Gamedealers	94
Bakers and Confectioners	110
Newsagents, Tobacconists, Confectioners, Libraries, Stationers	233
Chemists, Herbalists, Drug Stores	47
Boot and Shoe Retailers and/or Repairers	107
Ironmongers, Plumbers, Hardware, Paint	55
Hairdressers	151
Fish Friers	124
Fishmongers	42
Butchers	154
Jewellers, Opticians, Watch Repairers	34
Dairies and Farm Produce	22
Radio, Cycle and Electrical Dealers, Motor Cycles	118
Wholesale Dealers	90
Furniture Dealers and Brokers	50
Cafes, Snack Bars, Ice Cream Saloons, Hotels	65
Miscellaneous Trades	52
Total	2,596

Sanitary and washing accommodation has been provided in 1 case :—

Office	..	..	1
Shops	..	..	—

Camping Sites.

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

Eradication of Bed Bugs.

Number of inspections	..	..	..	846
Number of Houses Infested	..	..	..	101
Number disinfested by Corporation—				
(i) Corporation Houses	..	..	..	49
(ii) Private Houses	..	..	..	52

Factories Act, 1937.

There are 544 Factories on the Register, as follows :—

			With Mechanical Power	Without Mechanical Power
Bakehouses	..	..	46	39
Boot and Shoe Repairs	..	..	43	18
Dressmaking	..	..	11	25
Millinery	..	..	2	3
Tailoring	..	..	13	13
Joinery	..	..	32	18
Plumbing	..	..	1	10
Saddlery	..	..	—	3
Tinsmiths	..	..	—	2
Watch Repairs	..	..	4	4
Cabinet Makers	..	..	14	10
Laundries	..	..	7	1
Motor and Cycle Repairs			42	18
Workplaces	..	..	—	39
Blacksmiths	..	..	4	2
Miscellaneous	..	..	79	41
Totals	..	..	298	246

Number of Inspections (including works of Building and Engineering Construction) .. 1,789

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	19
Unsuitable sanitary accommodation ..	7
Dirty premises	—
Fire certificates	—
Provision of thermometers	—

NOTICES SERVED UNDER THE ACT :—

To cleanse and limewash	5
To provide means of ventilation	1
Wet floors	—
Sanitary defects	11
To provide refuse receptacles	1
Overcrowding	—
To provide thermometers	—
Number of Fire Certificates issued	3

SANITARY CONVENIENCES IN WORKSHOPS :—

Closets, insufficient, unsuitable or defective	20
--	----

HOME WORK (SECTIONS 110 & 111) :—

23 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 ..	44
Number of Employers	23
Number of Out-workers premises inspected	60
Number of Out-workers—1st half of year	57
Number of Out-workers—2nd half of year	50

WORKPLACES (RESTAURANTS, KITCHENS), ETC. :—

Number on Register	39
Number Inspected	39
Number of Inspections	50

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.**

35 premises with the persons nominated to sell poisons under the above rules are registered and 40 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, 75 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	272	335
Diphtheria	161	237
Measles	193	94
Chickenpox	435	226
Whooping Cough ..	14	8
	1,075	900

Code Grant Regulations No. 8.

In order to prevent the spread of infectious disease, 900 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	93
(i) By the Local Authority	—
(ii) By other bodies or persons	93

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)	6,775
(b) Number of inspections made for the purpose ..	13,922
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	536
(b) Number of inspections made for the purpose ..	2,684
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	4,809
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	5,364
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	46
(2) Number of dwelling houses which were rendered fit after service of formal notices :—	
(a) By owners	3
(b) By Local Authority in default of owners	17

(b)	Proceedings under Public Health Acts :—	
(1)	Number of dwelling houses in respect of which notices were served requiring defects to be remedied	158
(2)	Number of dwelling houses in which defects were remedied after service of formal notices :—	
(a)	By owners	158
(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 ..	—
(2)	Number of dwelling houses demolished in pursuance of Demolition Orders ..	2
(d)	Proceedings under Section 12 of the Housing Act, 1936 :—	
(1)	Number of separate tenements or under-ground rooms in respect of which Closing Orders were made	—
(2)	Number of separate tenements or under-ground 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	512
	(ii) Number of families dwelling therein ..	512
	(iii) Number of persons dwelling therein ..	3,593½
(b)	Number of new cases of overcrowding reported during the year	—
(c)	(i) Number of cases of overcrowding relieved during the year	150
	(ii) Number of persons concerned in such cases	853
(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 1940 :—

BY PRIVATE ENTERPRISE :

Linthorpe Ward	..	..	..	..	28
Acklam Ward	..	..	..	..	21
Ormesby Ward	..	..	..	..	9
Grove Hill Ward	..	..	..	..	21
Newport Ward	..	..	..	..	14
					93
			Total	..	93

Overcrowding.

During the year, 765 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	..	..	..	..	224
Number of applications to register				..	17
Number of Notices and Letters re repairs, cleanliness, etc.	..	..	..	..	57

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	..	..	..	..	192
Number of Lodgers accommodated nightly					477½
Number registered during the year				..	1
Number closed or discontinued	..	..	..	..	1
Number of Notices and Letters re repairs, cleanliness, etc.	..	..	..	..	3

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

The Chief Sanitary Inspector is mainly responsible for this Section.

Bacteriological Examination of Milk.

272 samples were procured during the year and submitted for examination. 147 or 54.04% were found to be clean and 125 or 45.96% dirty.

Total number of samples taken during the year	272
Ordinary Milks	234
Graded Milks	38

SUMMARY :

		Clean.	Dirty.	Total.
Ordinary Milks	..	113	121	234
Graded Milks	..	34	4	38
Totals	..	147	125	272

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	On 8th Test
101	17	8	8	6	5	1	1

Graded Milks.

		Clean	Dirty.	Total
SUMMARY :				
Accredited	..	10	2	12
Tuberculin Tested (Certified)	..	24	2	26
Tuberculin Tested	..	—	—	—
Totals	..	34	4	38

Pasteurised Milks.

		Number submitted	Number satisfactory	Number un-satisfactory
Phosphates Test	..	4	2	2
Bacteriological Test	..	12	8	4
Coliform Test	..	3	2	1

Biological Examination of Milk.

Number of samples submitted.	Number free from Tubercle Bacilli.	Number containing Tubercle Bacilli.
151	143	8

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:—

1936	..	..	..	..	8
1937	..	..	..	..	11
1938	..	..	..	..	10
1939	..	..	..	..	17
1940	..	..	..	..	8

Milk (Special Designations) Order, 1936-1938.

	1939	1940
Number of Producer's Licences granted for Accredited Milk	5	4
Number of Dealer's Licences granted for Accredited Milk	2	2
Number of Supplementary Licences granted for Accredited Milk	3	2
Number of Pasteuriser's Licences granted	3	3
Number of Producer's Licences granted for Tuberculin Tested (Certified) Milk ..	1	2
Number of Dealer's Licences granted for Tuberculin Tested (Certified) Milk ..	2	2
Number of Producer's Licences granted for Tuberculin Tested Milk	1	—
Number of Dealer's Licences granted for Tuberculin Tested Milk	5	4
	22	19

Purveyors of Milk.

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

	1939	1940
(1) Where Dairy Produce only is sold ..	7	7
(2) Confectionery and milk	33	25
(3) General shops	32	17
(4) Dwelling houses without rounds ..	—	—
(5) Dwelling houses with rounds ..	16	10
(6) Sale of milk on rounds only ..	9	9
	97	68

(b) BOTTLED MILK :

	1939	1940
(1) Accredited Milk	10	8
(2) Pasteurised Milk	25	25
(3) Tuberculin Tested (Certified) Milk	3	4
(4) Tuberculin Tested Milk	6	4
(5) Sterilised Milk	549	393
(6) Loose or Bulk Milk	97	68
	<hr/> 690	<hr/> 502

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.
1936	139	3.46%
1937	100	3.37%
1938	100	3.12%
1939	118	3.56%
1940	119	3.64%

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	41
Number selling Ice Cream	142
Number discontinued during the year	9
Number registered during the year	—
Number of Licences transferred	7
Number of inspections made	13
Number of letters sent re minor contraventions, alterations to premises, etc.	2

Cowsheds.

Number of Cowsheds	16
Number of Registered Cowkeepers	13
Number of Cows kept	322
Number of inspections made	1
Number of Notices to Limewash	—

Dairies and Milkshops.	Inside the Borough.	Outside the Borough.
Number on Register	68	11
Number discontinued since January, 1940	34	—
Number registered since January, 1940	1	—
Number of Licences transferred	7	—
Number of Inspections	28	—
Number of Notices requesting purveyors to register ..	4	—

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 111 persons on the Register of Licensed Slaughtermen.

Slaughterhouses.

	Registered.	Licensed.
December, 1920	39	3
January, 1940	24	2
December, 1940	24	2
Public Slaughterhouses	1	—
Number of Inspections	1,515	
Number of Notices to Limewash ..	—	
Number of Notices to provide refuse receptacles	—	
Number of notifications of change of occupier	—	
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.

The total number of such premises on the register is 124.

Public Health (Meat) Regulations, 1924.

The Ministry of Food took over the slaughtering and allocation of all animals slaughtered, on the 15th January, 1940.

The Public Abattoir and the Co-operative Society's Abattoir in Saltwells Road are used, a qualified Inspector being wholly employed upon inspection at each of these premises.

The following have been slaughtered and inspected before removal from the Slaughterhouse :—

	Species	Public Abattoir	Saltwells Road Abattoir
Bulls	149	69
Bullocks	2,616	1,857
Cows	971	840
Heifers	3,014	1,993
Calves	1,372	143
Sheep	33,430	27,368
Pigs	6,070	5,456
		47,622	37,726

Carcases Inspected and Condemned.

	Cattle excluding			Sheep and	
	Cows	Cows	Calves	Lambs	Pigs
Number killed ..	9,698	1,811	1,515	60,798	11,526
Number inspected ..	9,698	1,811	1,515	60,798	11,526
ALL DISEASES EXCEPT TUBERCULOSIS :					
Whole carcasses condemned ..	—	3	5	47	10
Carcases of which some part or organ was condemned ..	1,836	504	20	2,369	107
Percentage of the number inspected affected with disease other than tuberculosis ..	18.93	27.99	1.65	3.97	1.02
TUBERCULOSIS ONLY :					
Whole carcasses condemned ..	41	88	1	—	34
Carcases of which some part or organ was condemned ..	424	361	1	—	572
Percentage of the number inspected affected with tuberculosis ..	4.79	24.79	0.13	—	5.26

Of the 85,348 animals slaughtered, 78,925 or 92.48% were found to be sound and unaffected by disease of any nature ; 1,522 or 1.78% were found to be affected with tuberculosis and 4,901 or 5.74% were found to be affected with other diseases or conditions.

**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
1940	1,522	4,901	—	—	6,423

Year	Whole carcasses affected	Part carcasses affected	Organs only affected
1938	132	66	198
1939	103	69	161
1940	229	565	5,629

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

	Number	Stones	Lbs.
Beasts	132	7,800	8
Pigs	44	888	12
Sheep	47	808	11
Calves	6	29	2
Beef		194	11
Pork		14	6
Mutton		7	13
Offal		533	2
Chicken and Ham Roll ..		2	8
Jellied Veal		1	7
Boiled Meat			3
Corned Beef			12
Chitterlings		56	
Ham and Bacon		21	4
Meat (pieces)		24	12
Fish		167	11
Rabbits	291	52	
Potatoes		8	
Eggs	768	109	10
Tongue			12
Pigs Maws		32	
Sausage		8	2
Plums		11	1
Tinned Meat		6	2
Boiled Beef			12
Dripping		2	9
Ham and Tongue			6
Fowls	20	6	7
Polony		1	
Miscellaneous		20	7
		<u>10,812</u>	<u>8</u>

The total weight of butchers' meat and other foodstuffs surrendered during the year amounted to 10,812 stones 8 lbs. as compared with 3,058 stones 5 lbs. in 1939 and 3,968 stones 2 lbs. in 1938.

Of the 10,302 stones 7 lbs. of butchers' meat condemned, 6,565 stones 6 lbs. were affected with tuberculosis.

During the past three 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
1940	85,348	1,522	17.83

Adulteration.

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

During the year, 295 samples were analysed for the presence of preservatives, all being declared Genuine.

Informal or Test Samples.

386 informal and 124 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	..	..	23
Number of Premises Registered	..	..	23

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 2,674 compared with 4,713 in the previous year.

Diphtheria.

The cases notified numbered 279 against 266 in the previous year. There were 32 deaths, the mortality rate being 0.25 per 1,000 population.

Scarlet Fever.

There was an increase of this disease during the year, 483 cases being notified against 149 in the previous year. There was 1 death. The cases have been, on the whole, of a mild type.

Enteric Fever.

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

Cerebrospinal Fever.

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

Encephalitis Lethargica.

Two cases were notified. There was one death from this disease.

Erysipelas.

There were 41 notified cases.

Puerperal Pyrexia.

41 cases were notified.

Measles.

During the year, 388 notifications were received as compared with 3,183 in 1939.

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

There were no deaths.

Chickenpox.

719 notifications were received and all cases were visited. No cases were fatal. 435 occurred amongst School children and were visited by the Nurses of the Health Department.

Whooping Cough.

68 notifications were received and all cases were visited. There were 2 deaths, as compared with 17 in 1939.

Ophthalmia Neonatorum.

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

Influenza.

There were 37 deaths from this disease as compared with 21 in the previous year.

Pneumonia.

There were 230 cases notified, of which 122 died.

Smallpox.

No case occurred in 1940.

Vaccination Returns.

	1938.	1939.
Number of Births Notified	2,825	2,678
Successfully Vaccinated	584	630
Died Unvaccinated	174	134
Insusceptible to Vaccination	6	5
Declaration of Conscientious Objection	1,777	1,616
Postponed, whereabouts unknown, or removed	167	149
Percentage Successfully Vaccinated ..	20.67	23.53
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), 1940.

NOTIFIABLE DISEASE	TOTAL CASES NOTIFIED										CASES ADMITTED TO HOSPITAL	TOTAL DEATHS							
	At all ages	AT AGES								Over 65 years		0 to 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	Over 65 years	Total
		0 to 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	Over 65 years											
Diphtheria	290	2	90	152	28	16	2	..	313	..	16	15	1	..	..	..	32
Erysipelas	41	..	..	2	1	10	20	8	8	..	..	..	..	..	..	..	..
Scarlatina	486	1	116	271	75	20	3	..	465	..	..	1	..	..	..	..	1
Influenzal Pneumonia	44	2	17	6	3	3	8	5	..	..	2	..	5	..	15	15	37
Acute Prim. Pneumonia	196	6	17	27	33	55	44	14	8	..	39	13	12	..	34	23	122		
Chickenpox	719	27	245	434	9	4	..	..	..	..	..	..	..	..	..	..	..
Measles	412	32	178	197	4	1	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	63	11	37	14	..	..	1	..	..	..	2	..	..	..	..	..	2
Enteric Fever	5	..	..	2	2	..	1	..	12	..	..	..	..	..	1	..	1
Puerperal Pyrexia	43	..	..	..	19	24	..	..	20	..	..	..	1	..	..	..	1
Ophthalmia Neonatorum	7	7	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Encephalitis Lethargica	2	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1
Cerebrospinal Fever	32	2	2	7	10	7	2	2	26	..	2	1	1	..	1	1	6		
Polio-encephalitis	1	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	1
Total	2,341	91	702	1,113	184	140	82	29	856	43	32	18	20	—	52	39	204		
1939	4,418	250	2,094	1,759	96	118	71	30	470	64	68	27	3	18	24	40	244		

WEST LANE HOSPITAL.**Admissions and Discharges.**

Admissions for 1940	1,117
Discharges for 1940	988
Deaths during 1940	73

Patients in hospital on

January 1st, 1940 ..	72
----------------------	----

Patients in hospital on

December 31st, 1940 ..	128
------------------------	-----

Scarlet Fever.

523 cases were admitted during the year.

The admissions during the year showed an increase of 365 cases as compared with the figures for 1939.

Diphtheria.

337 cases were admitted during 1940 and 32 deaths occurred giving a case mortality of 9.5%.

Puerperal Pyrexia.

21 cases were admitted, 8 from the Municipal Maternity Hospital and 13 from the district. Two deaths occurred during the year giving a case mortality of 9.5%.

OUTSIDE CASES ADMITTED TO WEST LANE INFECTIOUS DISEASES HOSPITAL.

District	Diphtheria	Scarlet Fever	Erysipelas	Rubella	Food Poisoning	Cerebro- Spinal Meningitis	Para-Typhoid Fever	Measles	Tubercular Meningitis	Puerperal Pyrexia	Strepto- coccal Laryngitis	Total
AYTON	1	3	..	1	..	..	..	..	..	..	..	5
GREAT BROUGHTON .. ..	..	2	..	..	..	..	..	..	..	..	..	2
HUTTON RUDBY .. ..	..	..	..	..	2	..	..	..	..	..	..	2
MARTON .. ..	..	1	..	..	..	..	..	..	..	..	..	1
NORTHALLERTON	1	..	..	..	..	..	..	..	..	..	..	1
ORMESBY .. ..	..	2	..	..	..	..	..	..	..	..	..	2
STOKESLEY	4	6	..	..	..	1	..	..	..	..	..	11
SEAMER .. ..	..	1	..	..	..	..	..	..	..	1	..	2
SWAINBY	2	..	..	..	..	..	..	..	..	..	..	2
STANTON .. ..	..	..	..	..	..	..	..	..	..	..	1	1
THORNABY	2	36	1	..	..	2	1	1	1	..	..	44
YARM	4	..	..	..	..	..	..	..	..	..	..	4
TOTAL	14	51	1	1	2	3	1	1	1	1	1	77

Anterior Poliomyelitis.

No cases were notified during 1940.

**Admissions, Deaths and Case Mortality
at West Lane Hospital, 1940.**

Disease.	Cases.	Deaths	Mortality per cent.
Diphtheria	335	32	9.5
Diphtheria and Abdominal Tuberculosis	1		
„ Carrier	1		
Scarlet Fever	523	1	
„ „ and Impetigo ..	1		
Tonsillitis	30		
Puerperal Pyrexia	21	2	9.5
Scabies	12	..	..
Tuberculous Meningitis	19	15	78.9
Meningococcal Meningitis	32	6	18.7
Erysipelas	10	..	..
Babies admitted with mothers	15	..	..
Summer Diarrhoea	10	..	..
Food Poisoning	2	..	..
Dysentery	12	..	..
Pneumonia	6	5	83.3
Impetigo	1	..	..
Malaria	3	..	..
Measles	1	..	..
Simple Croup	1	..	..
Congenital Heart Disease	1	1	100.0
Prematurity	2	2	100.0
Colitis	1	..	..
Ophthalmia Neonatorum	3	1	33.3
Polio-Encephalitis	1	1	100.0
Abdominal Tuberculosis	1	1	100.0
Chickenpox and Mastoid	1	..	..
Observation (Tuberculosis)	2	..	..
Teething	1	..	..
Rubella	18	..	..
Pemphigus	7	2	28.5
Encephalitis	2	1	50.0
Influenza	4	..	..
Streptococcal Laryngitis	5	..	..
Influenzal Post Encephalitis	1	1	100.0
Enteric Fever	13	..	..
Drug Rash	1	..	..
Retro-Pharyngeal Abscess	1	..	..
No Disease	10	..	..

Disease	Cases.	Deaths.	Mortality per cent.
Toxic Hepatitis	1	1	100.0
Vincent's Angina	1	..	..
Gingivitis	1	..	..
Cerebral Haemorrhage	1	1	100.0
Concussion	1	..	..
Septicaemia	1	1	100.0
Total	1,117	73	..

West Lane Hospital Laboratory.

Total number of Swabs	1,621
Percentage Positive Swabs	20.1

Immunization.

61 children were immunized with T.A.F. in 1940.

CANCER.

There were 203 deaths from Cancer in Middlesbrough residents during 1940, the corresponding number for 1939 being 177.

TUBERCULOSIS.

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

Incidence.

The year 1940 showed that 334 persons were notified during the twelve months as having acquired Tuberculosis in one form or another. This is an increase of 39 on the previous year.

241 were cases of Pulmonary Tuberculosis, and 93 had developed Tuberculosis of parts of the body other than the lungs.

189 were males and 145 females.

Number notified after death	49
" " within 3 months of death	43
" " 3-6 " "	14
" " 6-9 " "	11
" " 9-12 " "	8
" " more than 12 months of death	76

Deaths.

198 persons died from Tuberculosis during the year; representing an increase of 27 as compared with 1939. Of those who died from Tuberculosis 120 were males and 78 were females; 159 from Pulmonary Tuberculosis and 39 from Non-pulmonary disease.

New Cases and Mortality during 1940.

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0— ..	..	2	4	3	..	..	3	1
1— ..	3	1	12	16	1	1	7	7
5— ..	8	7	23	12	1	1	7	..
15— ..	89	73	4	14	54	46	4	5
45— ..	39	11	3	2	40	10	1	4
65 and upwards	4	4	..	..	2	3	..	..
Totals ..	143	98	46	47	98	61	22	17

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
1940 ..	0.70		334	198	1.52

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

Dispensary Treatment.

During the year 1940 there were 6,483 attendances at the Dispensary; 501 new patients were seen. Of the total new patients

92.6% 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.

5,309 visits were paid by the health visitors to the homes of the patients while 82 consultations between the private practitioner and the Tuberculosis Officer were also held in the patients' homes.

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

Tuberculosis Housing Scheme.

Under this scheme 104 families have been dealt with.

Institutional Treatment.

The treatment of patients under this heading has been greatly interfered with by two factors, viz., the war and the closing of the Poole Sanatorium for rebuilding. The Poole Sanatorium was evacuated on the 13th February, 1940. The patients were accommodated for 5 months 25 days in West Lane Sanatorium and latterly in the Sanatorium Block in the Municipal Hospital. The children were transferred to the Municipal Hospital and towards the end of the year from the Municipal Hospital to Hemlington. The results of treatment are therefore presented as below in massed figures :—

Male Adults :

188 male adult patients were treated. 27 were discharged as quiescent, 87 were improved and 15 unchanged.

Female Adults :

110 female adult patients were treated. Of those discharged, 24 were quiescent, 63 improved and 1 unchanged. 8 patients were admitted for observation and 5 were found to be definitely tuberculous.

80 children received treatment.

Venereal Diseases.

Number of Cases under Observation and Treatment on December 31st, 1940.

Syphilis		Soft Chancre		Gonorrhoea		Other Cases		Total		Total Cases
M	F.	M.	F.	M.	F.	M.	F.	M.	F.	
120	48	..	..	158	13	9	4	287	65	352

**Number of Cases and the Diseases they were suffering from, dealt with
for the first time during the years 1935 to 1940.**

Year	Syphilis		Soft Chancre		Gono- rrhoea		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
1940	42	14	3	..	135	18	92	29	272	61	333

Middlesbrough Cases ..	..	..	175
Seamen ..	..	..	78
Other Cases ..	..	..	80
Total ..	..	..	333

Congenital Syphilis.

Cases Classified in Age Groups.

Sex	Under One Year	1 to 5	5 to 15	Over 15 Years	Total
MALE	..	..	1	2	3
FEMALE	1	1	..	2	4
Total	1	1	1	4	7

Total attendances in 1940 of all persons suffering from :—

Syphilis		Soft Chancre		Gonorrhoea		Other Cases		Total		Grand Total
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1,043	333	4	..	4,982	99	345	66	6,374	498	6,872

Middlesbrough ..	..	..	4,667
North Riding of Yorkshire ..	..	..	1,391
County of Durham ..	..	..	350
Other Areas ..	..	..	464
Total ..	..	..	6,872

Sessions and Attendances during 1940.

MONTH	MALES			FEMALES		
	No. Sessions	Attendances	Average	No. Sessions	Attendances	Average
January ..	16	100	6.2	10	25	2.5
February ..	16	111	6.9	8	25	3.1
March ..	16	143	8.9	8	41	5.1
April ..	18	161	8.9	8	48	6.0
May ..	16	136	8.5	10	61	6.1
June ..	16	117	7.3	8	62	7.7
July ..	18	96	5.3	10	51	5.1
August ..	18	104	5.7	8	28	3.5
September ..	18	101	5.6	8	35	4.3
October ..	16	102	6.3	5	41	8.2
November ..	18	130	7.2	8	39	4.8
December ..	18	107	5.9	6	31	5.1
Total ..	204	1,408	7.0	97	487	5.0

STATISTICAL
TABLES.

TABLE II.
Notification of Infectious Diseases in 1940, 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	18	27	18												8	25	53	18	46	42	17
Diphtheria	290	2	90	152	28	16	2	..	..	..	..	24	12	27	18	8	25	53	18	46	42	17
Erysipelas	41	..	..	2	1	10	20	8	..	..	..	3	3	5	..	3	2	12	3	4	4	2
Scarlatina	486	1	116	271	75	20	3	..	..	..	..	53	31	23	44	19	82	100	34	60	18	22
Pneumonia, Influenzal	44	2	17	6	3	3	8	5	..	..	..	2	1	15	7	2	2	7	3	1	..	4
Pneumonia, Acute Primary	196	6	17	27	33	55	44	14	..	..	..	28	15	17	18	10	27	32	16	10	16	7
Chickenpox	719	27	245	434	9	4	..	..	..	..	..	116	5	30	13	2	165	196	46	87	25	34
Measles	412	32	178	197	4	1	..	..	..	..	..	116	27	29	42	7	19	60	56	29	17	10
Pul. Tuberculosis—Male	143	2	4	17	52	50	11	7	..	..	..	15	2	14	7	8	16	15	12	12	13	19
Pul. Tuberculosis—Female	98	2	1	7	39	34	11	4	..	..	..	16	5	9	9	1	6	9	12	12	10	9
Other Tuberculosis—Male	46	4	11	24	2	2	3	..	..	..	..	7	2	3	6	1	3	6	4	5	4	5
Other Tuberculosis—Female	46	2	13	15	7	7	2	..	..	..	..	6	1	6	4	7	4	6	6	3	1	2
Whooping Cough	63	11	37	14	..	..	1	..	..	..	..	3	5	9	4	3	16	10	4	2	4	3
Enteric Fever	5	..	..	2	2	..	1	..	..	..	..	..	2	..	..	..	1	1	..	..	1	..
Puerperal Pyrexia	43	..	..	..	19	24	..	..	..	..	..	2	..	4	2	1	4	24	3	..	1	2
Ophthalmia Neonatorum	7	7	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	1	..	2	..	1
Encephalitis Lethargica	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Cerebro-spinal Fever	32	2	2	7	10	7	2	2	..	..	..	5	..	1	4	2	4	8	1	5	2	..
Polio-Encephalitis	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Totals	2674	101	731	1176	284	233	109	40	..	..	..	397	111	193	180	74	376	542	218	288	158	137
1939	4713	255	2133	1807	169	191	124	34	..	..	..	467	220	464	352	210	681	707	419	596	276	321

TABLE III.

Registrar-General's Statistics, 1940.

AREA—MIDDLESBROUGH COUNTY BOROUGH.

(1) Estimated Mid-Year Resident Population—129,800.

(2)		Live Births allocated to the Borough	Still Births allocated to the Borough
Total (Legitimate and Illegitimate)	Males	1390	62
	Females	1289	67
Illegitimate	Males	52	4
	Females	57	6

(3) Notifiable Infectious Diseases.

(Number of cases notified during the 52 weeks ended 28th December, 1940)

Enteric fever	Cerebro- Spinal Fever	Scarlet fever	Whooping Cough	Diphtheria	Erysipelas	Small- pox	Measles	Pneu- monia	Puerperal pyrexia
7	32	483	68	279	41	—	388	230	41

(4) Areal Comparability Factor, applicable to the

" All Causes " crude death rate only—1.16.

TABLE IV.

Birth-rates, Death-rates, Analysis of Mortality, Maternal Death-rates, and Case-rates for certain Infectious Diseases in the year 1940.

(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	14.6	16.0	15.7	13.7	20.6
Still	0.55	0.64	0.55	0.44	0.99
DEATHS :—					
All Causes	14.3	15.8	12.8	17.8	15.1
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	0.02	0.02	0.02	0.01	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.01
Whooping Cough	0.02	0.02	0.02	0.00	0.02
Diphtheria	0.06	0.07	0.05	0.01	0.25
Influenza	0.32	0.29	0.30	0.18	0.29
NOTIFICATIONS :—					
Measles	10.24	9.23	9.99	1.78	3.17
Cerebro-Spinal Fever	0.32	0.33	0.29	0.28	0.24
Smallpox	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	1.63	1.53	1.57	0.82	3.74
Diphtheria	1.16	1.29	1.21	0.61	2.23
Enteric Fever	0.07	0.06	0.10	0.06	0.04
Erysipelas	0.33	0.36	0.30	0.35	0.31
Pneumonia	1.20	1.37	1.00	0.87	1.84
Whooping Cough	1.34	1.29	1.35	0.22	0.48
RATES PER 1,000 LIVE BIRTHS					
Deaths under 1 year of age ..	55	61	54	50	72
Deaths from Diarrhoea and Enteritis under 2 years ..	4.6	5.9	4.4	5.8	9.3
RATES PER 1,000 TOTAL BIRTHS (i.e., Live & Still)					
MATERNAL MORTALITY:					
Puerperal Sepsis	0.52	not available			0.36
Others	1.64				2.88
Total	2.16				3.24
NOTIFICATIONS :					
Puerperal Fever	11.96	13.90	9.73	3.34	15.31
Puerperal Pyrexia				13.30	

TABLE V.
Municipal Hospital.
CLASSIFICATION OF THE ACCOMMODATION AND THE NUMBER OF BEDS OCCUPIED ON
31ST DECEMBER, 1940.

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	5	36	5	..	..	69	10
2. Surgical	8	36	18	40	12	..	..	76	30
3. Chronic sick	8	60	17	24	21	..	..	84	38
4. Children	10	..	..	..	..	82	2	82	2
5. Tuberculosis	4	46	36	..	..	..	..	46	36
Totals	35	175	76	100	38	82	2	357	116

TABLE VI.

Deaths in 1940 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 .. ..	..	..	1949	183	30	18	9	11	29	25	34	33	102
	Uncertified .. ..	..	..	14	7	..	..	..	..	1	..	..	..	..
	M.	F.												
Enteric Fever	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Smallpox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	2	..	2	2	..	..	..	..	..	..	..	..	..	..
Diphtheria	13	19	32	..	3	5	5	3	12	3	1	..	..	..
Influenza	21	17	38	1	..	..	1	..	..	..	..	..	..	1
Encephalitis Lethargica .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningococcal Meningitis	4	3	7	2	..	1	..	..	..	1	..	1	..	..
Tuberculosis of Respiratory System	102	62	164	..	1	..	..	..	..	3	16	15	42	..
Other Tuberculous Diseases	19	17	36	4	6	7	..	2	4	2	2	2	..	..
Cancer, Malignant Disease	116	92	208	..	..	..	..	1	..	..	..	1	4	..
Rheumatic Fever	5	12	17	..	..	..	..	1	1	2	..	..	3	..
Diabetes	5	23	28	..	..	..	..	..	..	2	..	1	1	..
Cerebral Haemorrhage, etc.	47	51	98	..	..	..	..	..	..	..	..	..	..	..
Heart Disease	275	239	514	..	..	..	..	..	1	2	2	1	14	..
Arterio-Sclerosis	54	49	103	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	45	24	69	10	1	..	..	..	..	..	..	..	..	..
Pneumonia	26	28	54	10	1	1	1	..	1	..	..	1	1	..
" Broncho	52	27	79	30	11	1	1	..	..	..	..	1	4	..
Other Respiratory Diseases	10	16	26	2	1	..	..	1	..	..	..	..	1	..
Ulcer of Stomach or Duodenum	10	4	14	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea, etc.	16	7	23	18	2	..	..	..	..	..	..	..	1	..
Appendicitis and Typhlitis	2	1	3	..	..	..	..	..	1	..	1	..	1	..
Cirrhosis of Liver	3	1	4	..	..	..	..	1	..	..	..	..	..	..
Acute and Chronic Nephritis	16	17	33	..	..	..	..	..	..	..	2	1	1	..
Puerperal Sepsis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Accidents and Diseases of Pregnancy & Parturition	11	..	11	..	..	..	..	..	..	..	..	1	2	..
Congenital Debility and Malformation, Premature Birth	39	36	75	75	..	..	..	..	..	..	..	..	..	..
Suicide	1	1	2	..	..	..	..	..	..	..	..	..	..	..
Other Deaths from Violence	85	27	112	3	2	..	1	2	7	6	7	5	18	..
Other defined diseases	100	96	196	30	2	3	..	..	2	2	3	3	8	..
Causes ill-defined or unknown	5	5	10	1	..	..	..	..	..	2	..	..	..	..
Syphilis	1	1	2	2	..	..	..	..	..	..	..	..	..	..
Murder .. ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Polio-Encephalitis	1	..	1	..	..	..	..	..	1	..	..	..	..	..
Total	1087	876	1963	190	30	18	9	11	30	25	34	33	102	..

according to age and Wards.

				Deaths in Public Institutions	Number of Deaths in each Ward in the Borough										Totals	
35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 yrs. and over		Ayresome	Acklam	Cannon	Cleveland	Exchange	Grove Hill	Linthorpe	Newport	Ormesby	St. Hilda's		Vulcan
134	198	367	776													
1	..	..	5													
..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	1
..
..
..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2
..	..	..	..	31	..	2	6	2	..	3	5	3	6	4	1	32
4	6	11	14	3	4	4	6	2	1	6	5	..	6	1	3	38
..
..	..	1	1	7	2	..	..	1	..	..	2	1	..	..	1	7
29	30	22	6	63	17	6	18	9	2	17	23	15	29	12	16	164
2	3	2	..	29	6	1	3	2	3	..	6	3	4	3	5	36
12	30	65	95	75	32	18	8	15	15	25	36	15	21	16	7	208
3	3	2	2	5	1	1	2	3	1	..	2	4	2	..	1	17
..	1	10	13	14	3	3	..	2	..	2	5	1	3	1	2	28
2	13	25	58	30	10	8	5	8	5	16	17	6	10	4	9	98
16	42	105	331	74	61	38	34	27	41	55	72	45	63	37	41	514
..	5	14	84	44	9	7	9	9	6	11	21	10	12	6	3	103
2	8	19	29	15	5	1	5	7	3	7	7	10	13	9	2	69
8	11	8	11	17	5	5	8	4	4	4	9	3	2	5	5	54
3	5	10	13	28	10	3	9	9	2	6	8	11	9	7	5	79
3	1	5	12	12	2	4	1	2	..	3	4	1	2	5	2	26
2	3	5	4	11	2	..	..	2	1	4	2	..	2	..	1	14
1	..	1	..	12	2	1	2	2	1	2	1	4	4	2	2	23
..	..	..	..	3	..	..	..	..	..	1	..	..	2	..	..	3
..	..	2	1	3	1	..	..	1	..	..	..	1	1	..	..	4
5	3	8	13	10	2	3	4	2	3	3	4	1	6	2	3	33
..
8	..	..	..	8	2	..	..	..	..	1	2	2	..	1	3	11
..	..	..	..	25	6	4	16	3	1	6	11	9	12	1	6	75
1	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2
15	12	20	14	54	13	5	27	13	6	17	4	4	3	5	9	112
17	20	28	78	93	27	7	16	10	7	21	40	17	25	13	13	196
1	1	3	2	5	1	..	1	1	1	1	1	2	1	1	..	10
..	..	..	..	2	..	..	1	1	..	..	..	..	..	..	..	2
1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1
135	198	367	781	674	231	121	181	139	103	212	288	163	244	135	140	1963

TABLE
INFANT

Nett Deaths from stated Causes

CAUSE OF DEATH	Under				Total	4 weeks and	3 months	
	1 week	1-2 weeks	2-3 weeks	3-4 weeks	under 4 weeks	under 3 months	3 months and under 6 months	
All causes	Certified	65	7	12	5	89	41	31
	Uncertified	1	1	..	1
Small-pox
Chicken-pox
Measles
Scarlet Fever
Whooping-Cough	1
Diphtheria and Croup
Erysipelas
Tuberculous Meningitis
Abdominal Tuberculosis
Other Tuberculous Diseases	1
Meningitis (not Tuberculous)	1
Convulsions	4	..	2	..	6	2	2	
Laryngitis .. ..	..	..	..	..	..	..	..
Bronchitis .. ..	..	..	..	1	1	3	2
Pneumonia (all forms)	3	1	2	..	6	14	9	
Diarrhoea .. ..	..	..	..	..	..	3	1
Enteritis .. ..	..	..	1	..	1	4	5
Gastritis .. ..	..	..	..	..	..	..	..
Syphilis .. ..	..	..	..	..	..	1	1
Rickets .. ..	..	..	..	..	..	..	..
Suffocation, overlying	1	..	..	..	1	..	..
Injury at Birth	1	1	..	..	2	..	..
Atelectasis	6	1	..	..	7	..	..
Congenital Malformations	11	..	3	..	14	5	2	
Premature Birth	34	3	2	..	39	3	3	
Atrophy, Debility and Marasmus	5	..	2	3	10	..	2	
Other Causes	1	1	..	1	3	3	5	
Total	66	7	12	5	90	41	32	

VII.

MORTALITY, 1940.

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	Cannon	Cleveland	Exchange	Grove Hill	Linthorpe	Newport	Ormesby	St. Hildas	Vulcan	TOTAL
16	11	188												
..	..	2												
..
..
..
1	..	2	..	..	..	..	..	1	..	1	..	..	..	2
..
..	2	2	2	..	..	..	..	..	..	..	..	..	..	2
..
1	..	2	..	..	..	..	..	..	..	..	..	..	2	2
1	..	2	1	..	..	..	..	..	..	1	..	..	..	2
..	..	10	1	..	..	..	2	..	3	2	..	1	1	10
..
3	1	10	2	1	..	2	..	..	1	2	1	1	..	10
4	7	40	5	1	7	5	2	1	4	6	5	2	2	40
3	..	7	1	..	1	..	..	1	..	2	2	..	..	7
1	..	11	..	..	1	2	..	1	1	2	1	2	1	11
..
..	..	2	..	..	1	1	..	..	..	..	..	..	..	2
..
..	..	1	..	1	..	..	..	..	..	..	..	..	..	1
..	..	2	..	..	..	..	..	1	1	..	..	..	..	2
..	..	7	..	..	..	..	..	2	2	..	2	1	..	7
..	..	21	1	2	5	2	..	2	1	1	4	..	3	21
..	..	45	5	2	9	..	1	4	7	8	6	1	2	45
1	..	13	1	..	2	1	..	..	4	1	3	..	1	13
1	1	13	1	..	3	1	..	1	1	4	1	1	..	13
16	11	190	20	7	29	14	5	14	25	30	25	9	12	190

TABLE IX.

Public Health (Tuberculosis) Regulations, 1930.

PART I.—Summary of Notifications during the period from the 1st January, 1940, to the 31st December, 1940, 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 .. ..	..	3	1	7	11	11	34	30	21	15	3	136	143
Females	2	1	4	3	22	16	21	10	6	5	4	94	98
Non-Pulmonary—													
Males	3	11	16	7	1	..	2	1	1	1	..	43	46
Females	3	15	9	3	3	4	1	4	..	1	..	43	47

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	2	1	7
Females .. ..	..	..	..	..	2	..	..	2	..	..	..	4
Non-Pulmonary—												
Males	1	1	..	..	..	..	..	..	1	..	..	3
Females .. ..	..	1	..	..	1	1	..	..	1	..	..	4

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns { From local Registrars	6	6
{ Transferable deaths from Registrar General	1	..
Posthumous notifications .. ..	..	..
"Transfers" from other areas (other than transferable deaths)	4	1
Other sources if any (specify) .. ..	..	..

	Pulmonary			Non-Pulmonary			Total cases
	M.	F.	Total	M.	F.	Total	
Number of cases of Tuberculosis remaining at the 31st December, 1940, on the Register of Notifications kept by the Medical Officer of Health for the County Borough	717	541	1258	371	324	694	1952
Number of cases removed from the Register during the year by reason <i>inter alia</i> of:—							
1. Withdrawal of notification .. ..	..	..	..	..	..	..	..
2. Recovery from the disease .. ..	..	..	..	..	..	..	..
3. Death	95	57	152	22	19	41	193
4. Otherwise	3	2	5	1	2	3	8

TABLE X.

Factories Act, 1937.

1.—INSPECTIONS

Premises	Inspections	Written Notices	Prosecutions
Factories with mechanical power	1181	14	..
Factories without mechanical power	388	4	..
Other premises under the Act (including works of building and engineering construction but not including outworkers' premises).	220	..	..
Total	1789	18	..

2.—DEFECTS FOUND

Particulars	Found	Remedied	Referred to H.M.I.	Prosecutions
Want of cleanliness S1	5	5	..	..
Overcrowding S2 .. .. ..	..	..	..	..
Unreasonable temperature S3 .. ..	..	..	..	..
Inadequate ventilation S4	1	1	..	..
Ineffective drainage of floors S6 .. ..	..	..	..	..
Sanitary Conveniences S7:—				
Insufficient	4	4	..	..
Unsuitable or defective	15	15	..	..
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	26	26	..	..

TABLE XI.

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
1940	..	..	..	1.56	1.72

TABLE XII.

Deaths from Cancer.

AGE DISTRIBUTION.

At ages		Male	Female	Total
0 to 1 years		—	—	—
1 to 5 years	..	1	—	1
5 to 15 years	..	—	—	—
15 to 45 years	..	10	8	18
45 to 65 years	..	44	50	94
65 and over	..	58	32	90
Total ..	..	113	90	203

