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COUNTY BOROUGH OF WEST HARTLEPOOL



ANNUAL REPORT

UPON THE HEALTH OF
WEST HARTLEPOOL
FOR THE YEAR 1964

H. C. MILLIGAN

M.B., Ch.B., D.P.H.

MEDICAL OFFICER OF HEALTH
PRINCIPAL SCHOOL MEDICAL OFFICER
AND CHIEF WELFARE OFFICER



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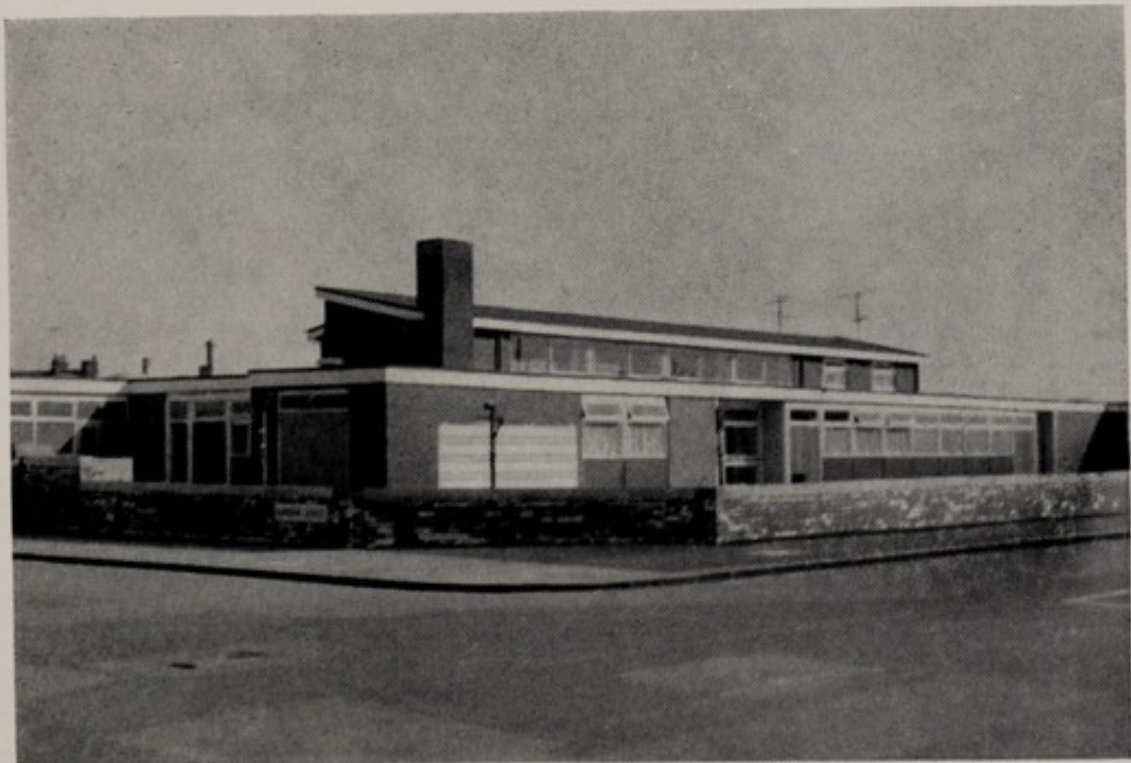
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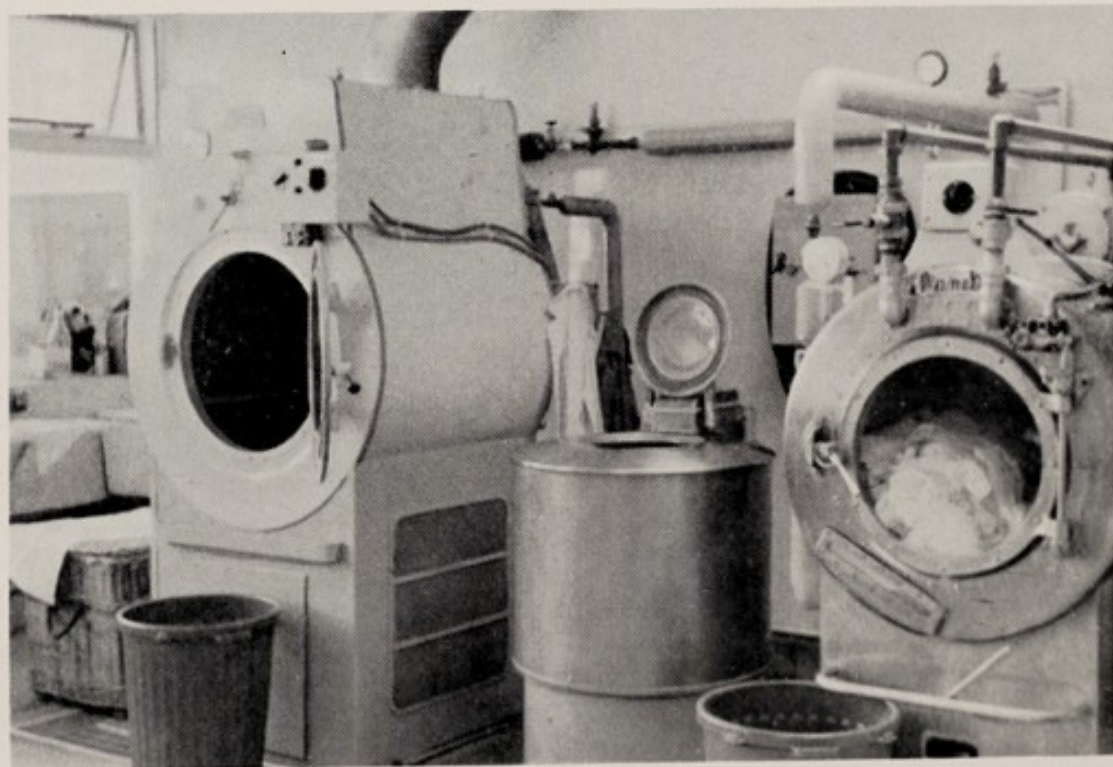
Adult Training Centre



Hall—Adult Training Centre



Laundry—Adult Training Centre



REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1964

HEALTH AND WELFARE DEPARTMENT

Victoria Road,

West Hartlepool.

May, 1965.

*To the Mayor, Aldermen and Councillors of the
County Borough of West Hartlepool.*

I have the honour to submit my seventh Annual Report on the health of West Hartlepool for the year 1964.

VITAL STATISTICS

For the first time for many years the Registrar General's estimate of mid-year population for West Hartlepool shows a decline compared with the previous year. The estimated population figure for mid-1964 was 78,360 as compared with 78,600 in 1963. Taken in conjunction with the excess of births over deaths during the year, which was 780, it will be seen that there has been a substantial outward migration of population from the town, a fact which was appreciated locally some two years ago but which would now appear to have halted, and we may expect a reversal of the trend in 1965. Indeed, in 1964 there was already a strong movement towards improvement in the economic situation of the town. An increased number in employment and a considerable reduction in the unemployment rate, together with the establishment of new industries in the town have all helped to foster a feeling of optimism for the future. Whilst, however, the short-term position has substantially improved, I would, nevertheless, remind you that the long-term situation must take into account the high birth rates of the late 50s, which should make an impact on the employment situation in the early 70s. It is only through greater buoyancy in the economic situation that we can hope to absorb school leavers in the early 70s into productive employment.

The vital statistics for 1964 show very little difference from those of 1963. There has been a slight fall in the birth rate from 20.75 to 20.50 but the infant mortality rate at 24.60 and the perinatal mortality rate at 29.34 are closely approximate to the 1963 figures.

Over the past seven years the trend had been towards a steady reduction in the number of premature births and this continued in 1964, there being 103 compared with 107 in 1963 and 132 in 1962.

The crude death rate at 10.55 is also slightly down on 1963 and is substantially the same as the 1962 figure.

The overall trend at present shows that as far as infant mortality is concerned, the West Hartlepool figures are following the national trend downwards, although at a somewhat slower rate, and at present these compare not unfavourably with other industrial towns in the North of England.

INFECTIOUS DISEASE

1964 was a year of light incidence of infectious disease, the only troublesome feature being one or two small outbreaks of dysentery. One of these affected Grantully General Practitioner Maternity Unit, where several members of the staff were involved. It did not, however, prove necessary to close the Unit, although it was necessary to suspend some of the staff from duty.

Dr. Campbell, the Consultant Venereologist, reports an increase in the number of patients attending the Special Treatment Centre for the treatment of gonorrhoea but observes that the majority of male patients appear to be over 25 years of age. There has been, however, some increase in the number of young men attending the clinic. He comments on the good response from contacts where they have been traced or visited in coming forward for treatment and the impression is gained that the pattern of increase of venereal disease amongst teenagers is not so evident in this area as perhaps in other parts of the country.

LOCAL HEALTH SERVICES

During 1964 the local health services provided by the Authority under the National Health Service Act, 1946, continued to expand. Although there was again a drop in the number of domiciliary deliveries undertaken by the municipal midwives, there was a substantial increase in the number of nursings of cases discharged from hospital before the tenth day—368 in 1964 as compared with 248 in 1963. There was also a welcome increase in the number of 'high risk' cases delivered in hospital.

The opening of the Maternity and Child Welfare Clinic at Seaton Carew provided a much needed improvement in the facilities for ante-natal care and child welfare in that area. The new premises have been much appreciated and now house an active and enthusiastic mothers' club.

During the year the health visiting staff was increased by the addition of three student health visitors, who completed their training. There was also a considerable increase in the volume of visits and the number of cases treated by district nurses. Indeed, this steady increase has been the subject of comment for a number of years past. There is considerable evidence that the service is being better used and that it is making a genuine contribution to the care of the elderly sick outside the hospital. In particular, the demand for sick appliances has continued at a high level.

The ambulance service also shows an increase in the number of patients carried and mileage covered and in consequence, an additional vehicle has become necessary and will be brought into service during 1965.

MENTAL HEALTH

The opening of the Adult Training Centre in November, 1964, by Alderman Mrs. Breward, Chairman of the Health Committee, was an important milestone in the development of the Authority's mental health services. The decision to embark on the construction of a purpose built adult training centre based on sheltered workshop lines was taken in 1960 and building work commenced in the Spring of 1963. In building a centre of 70 places the Corporation has built in advance of its requirements but the places will eventually be taken up by those at present in the junior training centre, who can look forward to the great advantages which this new centre offers. A prominent feature of the centre is the provision of a commercial type laundry, which provides laundry training under appropriate industrial conditions. Work is provided by the Health Department and the Welfare Department's hostels and some of the Homes maintained by the Children's Department. In addition there is a woodwork room and metalwork room, where a variety of jobs are undertaken, including the repair of furniture, the making of commodes and other articles for use in the Health Service. In addition a considerable amount of car washing has been undertaken and this has proved both remunerative and popular. The building, with its attractive design and colourful layout, can serve as a focal point for social activities, and indeed, at the time of writing, an evening social club for the mentally subnormal has begun to flourish.

1964 was also marked by a great stimulation of voluntary activity in the mental health field with the setting up of a local Association for Mental Health at a public meeting at which the Chair was taken by the Mayor, Councillor Mrs. B. E. Mann, J.P.

The opening of the new Adult Training Centre has allowed the pavilion occupied by the adult females to be taken over by the Junior Training Centre, which has benefitted the 5 year old entrants by the increased amount of space available for activity work.

ENVIRONMENTAL HEALTH SERVICES

During the year further progress was made in slum clearance and a public inquiry into the Council's proposals for a second smoke control area was held. Towards the end of the year there was some running down of services due to shortage of staff, which developed through the resignations of the Deputy Chief Public Health Inspector and three experienced district inspectors. For some years the Chief Public Health Inspector's Department has enjoyed freedom from staff changes and it seemed at one time that this happy state of affairs might disappear altogether. However, it proved possible to remedy the staffing situation in the early part of 1965, and further progress in the fields of housing and clean air may be expected.

On the 9th July, 1964, a Sessional Meeting of the Royal Society of Health was held in the Town Hall, West Hartlepool, at which papers on Housing were presented by your Medical Officer of Health and Chief Public Health Inspector. The papers attracted a considerable amount of interest and comment and the meeting proved a highly successful one.

WELFARE

A further 22 old people's flatlets were brought into use in Motherwell Road in the Spring of 1964. These flatlets were a welcome addition to the Corporation's supply of specialised housing for the elderly, for which the demand continues to be heavy. It is unfortunate I have to report that owing to administrative difficulties it has not been possible to proceed more rapidly with the construction of the 25 bed hostel linked with 24 flatlets which was conceived as a special project and which it was hoped to commence building early in 1965. It is hoped, however, that a start will be made on this project soon since during the year the demand for hostel accommodation, particularly as far as elderly women were concerned, was particularly heavy.

STAFF

Dr. A. Wilkinson was appointed Assistant Medical Officer of Health in July, 1964, filling the vacancy occasioned by the retirement of Dr. J. F. Farquhar.

Mrs. Atkinson, the Principal School Dental Officer, appointed in 1963 took up duty at the beginning of the year and reference to her work is made in the report of the Principal School Medical Officer.

Mr. Beaumont, the Deputy Chief Public Health Inspector, was appointed Chief Public Health Inspector at King's Lynn and the departure of three other experienced district inspectors, Mr. Barker, Mr. Burn and Mr. Gray, was a serious setback to the Department. Mr. H. Bowes, a District Public Health Inspector was promoted Deputy Chief Public Health Inspector.

The year 1964 saw the bringing to fruition of many schemes which had been planned and worked for in previous years and it can therefore be said that 1964 was a year on which the Department can look back with satisfaction.

I am indebted to the Chairman and Members of the Health Committee for their support during the year, and to the other Chief Officers of the Corporation for their help and guidance at all times. To the staff of the Department I would extend my thanks for a year of hard work well done.

I have the honour to be,

Madam Mayor, Aldermen and Councillors,

Your obedient Servant,

H. C. MILLIGAN,

Medical Officer of Health.

HEALTH COMMITTEE AND WELFARE COMMITTEE
1964-65

THE MAYOR (COUNCILLOR MRS. B. E. MANN)
 ALDERMAN CRISP COUNCILLOR SHAW
 ALDERMAN MRS. BREWARD (*Chairman*) (*Vice-Chairman, Welfare Com.*)
 COUNCILLOR T. BREWARD COUNCILLOR MRS. SPRINTALL
 COUNCILLOR GARDNER COUNCILLOR THOMPSON
 COUNCILLOR KENT COUNCILLOR MRS. TUSON
 COUNCILLOR MANN
 (*Vice-Chairman, Health Comm.*)
 DRs. CRABB AND WELCH (*Co-opted Members, Health Comm.*)
 MESDAMES HOPKINS, SHAW, AND WILLIAMS
 (*Co-opted Members, Welfare Committee*)

STAFF

(AS AT 31ST DECEMBER, 1964)

MEDICAL AND PROFESSIONAL STAFF :

Medical Officer of Health and Principal School Medical Officer—
H. C. MILLIGAN, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health and Deputy Principal School Medical
Officer—
H. GORDON, M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health—
D. F. HENLEY, M.B., B.S. D.P.H.
A. WILKINSON, L.R.C.P., L.R.C.S., L.M.
E. O. STRAIN, M.B., B.Ch., B.A.O. (Employed on a sessional basis)
K. M. KIRBY, M.B., Ch.B., D.C.H. " " " "

Chest Physician—
J. B. ROBINSON, M.D., M.R.C.P.

Consultant Obstetrician—
L. A. CRUTTENDEN, F.R.C.O.G.

Ophthalmic Surgeon—
C. J. SHARP, M.B., Ch.B., D.O.

Aural Surgeon—
L. V. ARUNDEL, L.R.C.P., L.R.C.S. (Edin.), L.R.F.P.S. (Glasgow)

Principal School Dental Officer—
MRS. K. M. ATKINSON, L.D.S.

School Dental Officer—
A. G. WILDGOOSE, L.D.S.

PUBLIC HEALTH STAFF :

Chief Public Health Inspector—

R. EMERSON (1, 2, 3, 4)

Deputy Chief Public Health Inspector—

H. H. BOWES (1, 2, 3)

Public Health Inspectors—

D. H. GILBERTSON (1, 2, 3)

A. THOMPSON (1, 2)

Vacancy

"

"

Pupil Public Health Inspectors—

A. S. KIRKWOOD

P. NUTT

Abattoir Superintendent—

W. GRAZIER

Smoke Control Assistant—

F. W. CLARKE

Rodent Officer—

H. WATSON

Assistant Rodent Officer—

R. W. GILLEN

Public Analyst (Part-time)—

W. GORDON CAREY, F.R.I.C.

Deputy Public Analyst (Part-time)—

A. HUTCHINSON, F.R.I.C.

Key to Professional Qualifications.

1. Statutory Certificate.
2. Meat and Other Foods Inspector's Certificate of Royal Society of Health.
3. Smoke Inspector's Certificate of Royal Society of Health.
4. Sanitary Science Certificate of Royal Society of Health.

LAY ADMINISTRATIVE OFFICER—

J. S. HOLLAND

HEALTH VISITING, MIDWIFERY AND HOME NURSING STAFF :

Superintendent Health Visitor—

Miss M. A. FIELDS (1, 2, 3)

Non-medical Supervisor of Midwives and Home Nurses—

MRS. E. GALLOWAY (1, 2, 4)

Health Visitors/School Nurses —

- Mrs. A. I. BARKER (1, 2, 3)
 Miss. A. M. BENDELOW (1, 2, 3)
 Mrs. M. A. BODDY (1, 2, 3, 4)
 Mrs. M. CROSS (1, 2, 3)
 Mrs. M. DOUGLAS (1, 2, 3)
 Miss J. GALVIN (1, 2, 3)
 Miss R. J. HUBBARD (1, 2, 3)
 Miss M. LANCASTER (1, 2, 3)
 Mrs. P. MARTIN (1, 2, 3)
 Miss O. MAVIN (1, 2, 3, 4)
 Mrs. D. USHER (1, 2, 3) (Part-time)

Student Health Visitors—

- Mrs. M. GOULDING (1, 2)
 Miss E. E. HARRIS (1, 2)

Municipal Midwives—

- Mrs. E. ATKINSON (2, 5)
 Mrs. I. L. BARNETT (1, 2)
 Mrs. M. BRAND (1, 2, 4)
 Miss P. D. CLARK (1, 2)
 Mrs. K. F. GALLIMORE (1, 2)
 Mrs. V. HAWLEY (1, 2)
 Mrs. M. LITHGO (1, 2)
 Miss M. S. PORTER (1, 2)
 Mrs. L. R. WALKER (1, 2)

Home Nurses—

- Mrs. W. M. ALLEN (1)
 Mrs. M. O. ATKINSON (1)
 Miss J. HILL (1)
 Mrs. M. LEE (1)
 Mrs. I. RICHARDSON (1)
 Miss J. SPOORS (1)
 Mrs. M. TAYLERSON (1)
 Mrs. L. WHITTINGHAM (1)
 Mrs. A. W. WITHERS (1)
 Mrs. J. WRIGLEY (1)

School Nurses—

- Mrs. C. CORNER (1, 2)
 Miss M. P. LOWRY (1, 2)
 Mrs. D. L. HARBRON (1, 2) (part-time)

Geriatric Visitors (Part-time)—

- Mrs. D. E. CRUTTENDEN (1)
 Mrs. E. LAURIE (1)
 Mrs. M. E. METCALFE (1)
 Mrs. N. POTTS (1, 2, 3)

Clinic Nurses (Part-time)—

Mrs. H. JEFFERSON (1. 2)

Mrs. V. KIER (5)

Key to Professional Qualifications.

1. State Registered Nurse.
2. State Certified Midwife.
3. Health Visitor's Certificate.
4. Registered Fever Nurse.
5. State Enrolled Assistant Nurse.

DOMESTIC HELP SERVICE :

Organiser—

Mrs. E. McCABE

AMBULANCE SERVICE :

Ambulance Officer—

J. ATKINSON

DAY NURSERY :

Matron—

Mrs. E. HUTCHINSON, S.R.N.

MENTAL HEALTH SERVICE :

Deputy Lay Administrative Officer and Mental Welfare Officer—

C. W. SMITH

Mental Welfare Officers—

J. CHRISTIE

F. PEACOCK

Mental Welfare Social Worker (part-time)—

J. JORDAN

Mental Health Hostel—

Superintendent—W. WOODS, R.M.N.

ADULT TRAINING CENTRE :

Supervisor—Mrs. N. SMITH

JUNIOR TRAINING CENTRE :

Supervisor—Mrs. L. M. DUNNING

WELFARE SERVICES :

Senior Social Welfare Officer—

D. J. HEYWOOD

Social Welfare Officers—

I. MITCHELL
Miss S. FRAZER (Trainee)

Aged Persons' Hostels—

Briarfields	—Superintendent,	J. SHAW
Dinsdale Lodge	— „	G. S. WIDDOWFIELD
Fairlawn	—Warden,	Mrs. V. BIRD
Hazelhurst	— „	Miss L. FULLER
Wynyard House	—Superintendent,	J. H. JENKINS

Aged Persons' Flatlets—

Glamis Walk —Warden, Mrs. J. REED
Motherwell Road—Warden, Mrs. A. MONTGOMERY

Temporary Accommodation—No. 118 Burbank Street

Warden, Mrs. E. M. ROBINSON

Chiropidist, (Part-Time) Mrs. J. M. FAIL

ADMINISTRATIVE AND CLERICAL STAFF :

Senior Clerk, E. C. CARROLL

Clerks, J. THOMPSON	— Finance Section
Miss K. EVANS	— -do.-
I. BURGON	— -do.-
Miss M. GIBSON	— -do.-
Miss J. RYAN	— Welfare Foods
Mrs. J. MORRIS	— -do.-
Mrs. M. ANDERSON	— Home Help Section
Miss M. STALLARD	— Records and Filing
Miss P. BODDY	— Vaccination/Immunisation
Mrs. E. DAVIES	— -do.-
Miss M. GRATTON	— Telephonist
Miss L. JARROLD	— Public Health Section

Shorthand/Typists—

Miss J. KINGSTON
Miss M. MIDGLEY
Miss J. DAWSON

STATISTICS & SOCIAL CONDITIONS OF THE AREA

SUMMARY

Area (Acres)	4,976
Population (Registrar-General's Estimate, 1964)	78,360
No. of Inhabited Houses on 31st December, 1964 according to the Rate Books	23,932
Rateable Value (1st April, 1964)	£2,299,529
Sum represented by a Penny Rate (31st March, 1964)	£9,230

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	<i>Male</i>	<i>Female</i>	<i>Total</i>
Live Births — Legitimate	790	77	1,517
Illegitimate	50	40	90
TOTAL	<hr style="width: 50%; margin: 0 auto;"/> 840	<hr style="width: 50%; margin: 0 auto;"/> 767	<hr style="width: 50%; margin: 0 auto;"/> 1,607
Rate per 1,000 Estimated Resident Population..Crude.....			20.50
Adjusted			19.06
Illegitimate Live Births per cent of total live births.....			5.6
	<i>Male</i>	<i>Female</i>	<i>Total</i>
Stillbirths — Legitimate	13	10	23
Illegitimate	2	4	6
TOTAL	<hr style="width: 50%; margin: 0 auto;"/> 15	<hr style="width: 50%; margin: 0 auto;"/> 14	<hr style="width: 50%; margin: 0 auto;"/> 29
Rate per 1,000 Live and Stillbirths			17.70
Total Live and Stillbirths			1,636
	<i>Male</i>	<i>Female</i>	<i>Total</i>
Infant Deaths			
under one year of age — Legitimate	20	15	35
Illegitimate	3	1	4
TOTAL	<hr style="width: 50%; margin: 0 auto;"/> 23	<hr style="width: 50%; margin: 0 auto;"/> 16	<hr style="width: 50%; margin: 0 auto;"/> 39
Infant Mortality Rates			
Total Infant Deaths per 1,000 total live births.....			24.26
Legitimate Infant Deaths per 1,000 legitimate live births ..			23.06
Illegitimate Infant Deaths per 1,000 illegitimate live births			44.44
	<i>Male</i>	<i>Female</i>	<i>Total</i>
Neo-Natal Deaths			
under 4 weeks of age — Legitimate	8	11	19
Illegitimate	2	1	3
TOTAL	<hr style="width: 50%; margin: 0 auto;"/> 10	<hr style="width: 50%; margin: 0 auto;"/> 12	<hr style="width: 50%; margin: 0 auto;"/> 22

Neo-natal Mortality Rate			
Total Infant Deaths under four weeks per 1,000 total livebirths			13.69
Early Neo-natal Deaths	<i>Male</i>	<i>Female</i>	<i>Total</i>
under the age of one week — Legitimate	5	11	16
Illegitimate	2	1	3
	<hr/>	<hr/>	<hr/>
TOTAL	7	12	19
Early Neo-Natal Mortality Rate			
Total Infant Deaths under one week per 1,000 total live births			11.82
Perinatal Mortality Rate (stillbirths and deaths under one week combined per 1,000 total live and stillbirths)			
			29.34
Maternal Mortality (including abortion)			
Number of Deaths			2
Rate per 1,000 Live and Stillbirths			1.22
	<i>Male</i>	<i>Female</i>	<i>Total</i>
TOTAL DEATHS (All Ages)	454	373	827
Death Rate per 1,000 Estimated Resident Population			
	Crude		10.55
	Adjusted		13.29
Area Comparability Factors			
	Births		0.93
	Deaths		1.26

POPULATION

The mid-year population of the County Borough, in accordance with the Registrar-General's estimate was 78,360. The corresponding figure for 1963 was 78,600, which shows a population decrease of 240.

The natural increase of population represented by the excess of births over deaths was 780.

BIRTHS

LIVE BIRTHS.

The number of live births registered during the year was 1,607 equal to a crude birth rate of 20.50 per 1,000 population. This figure is 24 lower than last year when the rate was 20.75.

The rate for England and Wales was 18.4 which can be compared with an adjusted rate for West Hartlepool of 19.06.

The table which follows gives birth rates for a period of ten years for comparison purposes :—

BIRTH RATES — 1955-64

YEARS	WEST HARTLEPOOL		ENGLAND & WALES BIRTH RATE
	No. of Births	Birth Rate per 1000 Pop.	
1955	1,459	20.03	15.0
1956	1,496	20.43	15.6
1957	1,596	21.59	16.1
1958	1,610	21.63	16.4
1959	1,609	21.34	16.5
1960	1,626	21.36	17.1
1961	1,655	21.35	17.4
1962	1,682	21.50	18.0
1963	1,631	20.75	18.2
1964	1,607	20.50	18.4

The ward distribution of the births during 1964 was as follows :—

Ward	No. of Births	Percentage of Total Births
North	185	11.51
West	162	10.08
Park	123	7.66
South-West	125	7.78
Central	150	9.33
North-East	140	8.71
Seaton	222	13.82
South	195	12.13
Owton	305	18.98

There were 90 illegitimate live births representing 5.6% of the total live births, slightly higher than the percentage in 1963 which was 4.68%.

PREMATURE BIRTHS.

Premature births notified during 1964 were 103 compared with 107 in 1963. The survival rate of these infants in the year under review showed 87.38% surviving the first 28 days compared with 87.85% in 1963.

Details of the notifications of premature live and stillbirths over the past five years are shown in the following table.

YEAR	PREMATURE LIVE BIRTHS												PREMATURE STILLBIRTHS		
	Born in hospital			Born at home and nursed entirely at home			Born at home and transferred to hospital on or before 28th day			Totals			Born in hospital	Born at home	Totals
	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days			
													Died within 24 hrs. of birth	Survived 28 days	Total
1960	88	7	77	31	3	28	1	—	—	120	10	105	10	3	13
1961	107	22	82	22	1	20	2	2	—	131	25	102	11	2	13
1962	120	18	99	9	—	9	3	1	2	132	19	110	17	—	17
1963	91	8	79	15	—	15	1	1	—	107	9	94	6	3	9
1964	86	6	77	14	—	13	3	3	—	103	9	90	14	1	15

STILLBIRTHS AND PERINATAL MORTALITY.

During the year there were 29 stillbirths, 5 more than in 1963. The rate per 1,000 stillbirths for West Hartlepool (17.70) is above that for England and Wales (16.3).

The perinatal mortality rate remained almost the same as in 1963 as the decrease in early neo-natal deaths was offset by the increased number of stillbirths. The perinatal mortality for 1964 being 29.34 as against the figure of 29.43 for 1963.

The tables set out below give a clearer indication of the position regarding stillbirths and perinatal mortality over the past 10 years.

Year	Total number of stillbirths	Deaths in the first week	Total perinatal deaths
1955	36	35	71
1956	21	36	57
1957	44	39	83
1958	40	20	60
1959	37	16	53
1960	30	25	55
1961	34	39	73
1962	38	24	62
1963	24	24	48
1964	29	19	48

Year	No. of stillbirths registered during the year per 1,000 live and stillbirths.		No. of stillbirths along with the No. of deaths of children under the age of one week per 1,000 live and stillbirths registered during the same year.	
	Stillbirth Rate		Perinatal Mortality Rate	
	West Hartlepool	England & Wales	West Hartlepool	England & Wales
1955	24.08	23.2	47.49	37.6
1956	13.84	22.9	37.50	36.8
1957	26.83	22.5	50.61	36.2
1958	24.24	21.6	36.36	35.1
1959	22.48	21.0	32.20	34.2
1960	18.12	19.8	33.21	32.9
1961	20.15	19.1	43.27	32.2
1962	22.09	18.1	36.04	30.8
1963	14.50	17.2	29.43	29.3
1964	17.70	—	29.34	—

INFANT MORTALITY

A total of 39 infants whose parents were normally resident in the County Borough died during the year. This gives an infant mortality rate per 1,000 live births of 24.26 as compared with 23.91 for 1963. The equivalent rate for England and Wales is 20.0.

The figures relating to infant mortality for a ten-year period are given in the table below :—

INFANTILE MORTALITY RATES, 1955-64.

YEAR	WEST HARTLEPOOL			ENGLAND & WALES RATE
	Births	Deaths of Infants under one year	Infant Mortality Rate per 1,000 live births	
1955	1,459	64	44	24.9
1956	1,496	61	41	23.7
1957	1,596	70	44	23.1
1958	1,610	41	25	22.6
1959	1,609	33	21	22.2
1960	1,626	44	27	21.9
1961	1,655	59	36	21.6
1962	1,682	48	28	21.6
1963	1,631	39	24	21.1
1964	1,607	39	24	20.0

NEO-NATAL AND POST-NEONATAL MORTALITY.

There were 22 deaths of infants under 4 weeks giving a neo-natal mortality rate of 13.69 compared with the rate of 15.32 for 1963.

Seventeen children died between the ages of one month and twelve months giving a post-neonatal mortality rate of 10.58 per 1,000 live births compared with 8.59 in 1963.

Further details concerning infant mortality are given in the tables which follow :

Year	NUMBER OF INFANT DEATHS			
	Total Infant Deaths	Deaths in the early neo-natal period	Deaths in the neo-natal period	Deaths in the post-neonatal period
1955	64	35	45	19
1956	61	36	44	17
1957	70	39	46	24
1958	41	20	26	15
1959	33	16	22	11
1960	44	25	29	15
1961	59	39	42	17
1962	48	24	30	18
1963	39	24	25	14
1964	39	19	22	17

Year	MORTALITY RATES PER 1,000 LIVE BIRTHS IN WEST HARTLEPOOL AND ENGLAND & WALES			
	Neo-natal Mortality		Post-neonatal Mortality	
	West Hartlepool	England & Wales	West Hartlepool	England & Wales
1955	31.52	17.3	12.34	7.6
1956	29.41	16.8	11.36	6.9
1957	28.82	16.5	15.04	6.6
1958	16.15	16.2	9.32	6.4
1959	13.67	15.8	6.84	6.4
1960	17.83	15.6	9.23	6.3
1961	25.40	15.5	10.28	6.1
1962	17.83	15.1	10.70	6.5
1963	15.32	14.2	8.59	6.9
1964	13.69	—	10.58	—

CAUSES OF DEATH.

The principal causes to which the deaths of children under one year of age were attributed are shown below, the figures in parenthesis being the percentages for 1963 :—

	No.	Percentage of Total Deaths
Prematurity.....	9	23 (20.5)
Pneumonia.....	6	15.4 (17.9)
Bronchitis.....	1	2.6 (2.6)
Gastro Enteritis.....	2	5.1 —
Congenital Malformations	10	25.6 (12.8)

TABLE I
NUMBER OF DEATHS

Year	Deaths in the post-natal period	Deaths in the pre-natal period	Deaths in the perinatal period
1952	17	22	19
1953	19	22	24
1954	18	20	24
1955	19	21	20
1956	18	20	19
1957	17	19	18
1958	16	18	17
1959	15	17	16
1960	14	16	15
1961	13	15	14
1962	12	14	13
1963	11	13	12
1964	10	12	11
1965	9	11	10
1966	8	10	9
1967	7	9	8
1968	6	8	7
1969	5	7	6
1970	4	6	5
1971	3	5	4
1972	2	4	3
1973	1	3	2
1974	0	2	1
1975	0	1	0
1976	0	0	0
1977	0	0	0
1978	0	0	0
1979	0	0	0
1980	0	0	0
1981	0	0	0
1982	0	0	0
1983	0	0	0
1984	0	0	0
1985	0	0	0
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0

TABLE I (continued)

Year	Deaths in the perinatal period		
	West Midlands (England & Wales)	West Midlands (England & Wales)	West Midlands (England & Wales)
1952	17	19	17
1953	18	20	18
1954	17	19	17
1955	18	20	18
1956	17	19	17
1957	16	18	16
1958	15	17	15
1959	14	16	14
1960	13	15	13
1961	12	14	12
1962	11	13	11
1963	10	12	10
1964	9	11	9
1965	8	10	8
1966	7	9	7
1967	6	8	6
1968	5	7	5
1969	4	6	4
1970	3	5	3
1971	2	4	2
1972	1	3	1
1973	0	2	0
1974	0	1	0
1975	0	0	0
1976	0	0	0
1977	0	0	0
1978	0	0	0
1979	0	0	0
1980	0	0	0
1981	0	0	0
1982	0	0	0
1983	0	0	0
1984	0	0	0
1985	0	0	0
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0

CAUSES OF DEATH

The principal causes to which the deaths of children under one year of age were attributed are shown below. The figures in parentheses being the percentages for 1992.

Prematurity	9 (20.2)
Respiratory	1 (2.5)
Cardiovascular	1 (2.5)
Accidents	1 (2.5)
Other	1 (2.5)
Total	13 (32.7)

INFANT MORTALITY DURING THE YEAR.

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

Cause of Death	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1 mth & under 3 mths	3-6 months	6-9 months	9-12 months	Total deaths under 1 year	Deaths in institutions
Prematurity	9	—	—	—	9	—	—	—	—	9	9
Pneumonia	—	—	—	—	—	3	2	1	—	6	1
Bronchitis	—	—	—	—	—	1	—	—	—	1	1
Gastro Enteritis	—	—	—	—	—	1	—	—	1	2	2
Accidents	1	—	—	—	1	1	—	—	—	2	—
Congenital Malformation ..	7	—	—	—	7	1	1	—	1	10	10
Intra-Uterine Asphyxia ..	1	—	—	—	1	—	—	—	—	1	1
Cerebral Hæmorrhage	1	—	—	—	1	—	—	—	—	1	—
Acute Congestion Lungs ..	—	—	—	—	—	1	—	—	—	1	—
Other Causes	1	—	—	2	3	2	1	—	—	6	4
TOTAL ALL CAUSES	20	—	—	2	22	10	4	1	2	39	28
CERTIFIED	20	—	—	1	21	10	4	1	2	38	27

INFANT MORTALITY IN THE WARDS.

	North	West	Park	South-West	Central	North-East	Seaton	South	Owton	Total
Prematurity	1	—	—	2	—	1	3	—	2	9
Pneumonia	—	1	—	1	—	1	1	1	1	6
Bronchitis	—	1	—	—	—	—	—	—	—	1
Gastro Enteritis	—	—	—	1	—	—	—	—	1	2
Accidents	—	1	—	—	—	—	1	—	—	2
Congenital Malformation	2	2	—	1	—	2	1	—	2	10
Intra-Uterine Asphyxia	—	1	—	—	—	—	—	—	—	1
Cerebral Hæmorrhage	—	—	—	—	—	—	1	—	—	1
Acute Congestion Lungs	—	—	—	—	—	—	1	—	—	1
Other Causes	1	—	—	—	—	—	2	1	2	6
TOTAL	4	6	—	5	—	4	10	2	8	39

EARLY INFANT MORTALITY

TABLE 1. DEATHS FROM SEVERE CASES

Age Group	Deaths	Rate per 1,000 Live Births	Rate per 1,000 Live Births (Estimated)
0-1	1	1.0	1.0
1-2	1	1.0	1.0
2-3	1	1.0	1.0
3-4	1	1.0	1.0
4-5	1	1.0	1.0
5-6	1	1.0	1.0
6-7	1	1.0	1.0
7-8	1	1.0	1.0
8-9	1	1.0	1.0
9-10	1	1.0	1.0
10-11	1	1.0	1.0
11-12	1	1.0	1.0
12-13	1	1.0	1.0
13-14	1	1.0	1.0
14-15	1	1.0	1.0
15-16	1	1.0	1.0
16-17	1	1.0	1.0
17-18	1	1.0	1.0
18-19	1	1.0	1.0
19-20	1	1.0	1.0
20-21	1	1.0	1.0
21-22	1	1.0	1.0
22-23	1	1.0	1.0
23-24	1	1.0	1.0
24-25	1	1.0	1.0
25-26	1	1.0	1.0
26-27	1	1.0	1.0
27-28	1	1.0	1.0
28-29	1	1.0	1.0
29-30	1	1.0	1.0
30-31	1	1.0	1.0
31-32	1	1.0	1.0
32-33	1	1.0	1.0
33-34	1	1.0	1.0
34-35	1	1.0	1.0
35-36	1	1.0	1.0
36-37	1	1.0	1.0
37-38	1	1.0	1.0
38-39	1	1.0	1.0
39-40	1	1.0	1.0
40-41	1	1.0	1.0
41-42	1	1.0	1.0
42-43	1	1.0	1.0
43-44	1	1.0	1.0
44-45	1	1.0	1.0
45-46	1	1.0	1.0
46-47	1	1.0	1.0
47-48	1	1.0	1.0
48-49	1	1.0	1.0
49-50	1	1.0	1.0
50-51	1	1.0	1.0
51-52	1	1.0	1.0
52-53	1	1.0	1.0
53-54	1	1.0	1.0
54-55	1	1.0	1.0
55-56	1	1.0	1.0
56-57	1	1.0	1.0
57-58	1	1.0	1.0
58-59	1	1.0	1.0
59-60	1	1.0	1.0
60-61	1	1.0	1.0
61-62	1	1.0	1.0
62-63	1	1.0	1.0
63-64	1	1.0	1.0
64-65	1	1.0	1.0
65-66	1	1.0	1.0
66-67	1	1.0	1.0
67-68	1	1.0	1.0
68-69	1	1.0	1.0
69-70	1	1.0	1.0
70-71	1	1.0	1.0
71-72	1	1.0	1.0
72-73	1	1.0	1.0
73-74	1	1.0	1.0
74-75	1	1.0	1.0
75-76	1	1.0	1.0
76-77	1	1.0	1.0
77-78	1	1.0	1.0
78-79	1	1.0	1.0
79-80	1	1.0	1.0
80-81	1	1.0	1.0
81-82	1	1.0	1.0
82-83	1	1.0	1.0
83-84	1	1.0	1.0
84-85	1	1.0	1.0
85-86	1	1.0	1.0
86-87	1	1.0	1.0
87-88	1	1.0	1.0
88-89	1	1.0	1.0
89-90	1	1.0	1.0
90-91	1	1.0	1.0
91-92	1	1.0	1.0
92-93	1	1.0	1.0
93-94	1	1.0	1.0
94-95	1	1.0	1.0
95-96	1	1.0	1.0
96-97	1	1.0	1.0
97-98	1	1.0	1.0
98-99	1	1.0	1.0
99-100	1	1.0	1.0
TOTAL ALL CASES	100	1.0	1.0
Estimated	100	1.0	1.0

SEPARATE MORTALITY

Age Group	Deaths	Rate per 1,000 Live Births	Rate per 1,000 Live Births (Estimated)
0-1	1	1.0	1.0
1-2	1	1.0	1.0
2-3	1	1.0	1.0
3-4	1	1.0	1.0
4-5	1	1.0	1.0
5-6	1	1.0	1.0
6-7	1	1.0	1.0
7-8	1	1.0	1.0
8-9	1	1.0	1.0
9-10	1	1.0	1.0
10-11	1	1.0	1.0
11-12	1	1.0	1.0
12-13	1	1.0	1.0
13-14	1	1.0	1.0
14-15	1	1.0	1.0
15-16	1	1.0	1.0
16-17	1	1.0	1.0
17-18	1	1.0	1.0
18-19	1	1.0	1.0
19-20	1	1.0	1.0
20-21	1	1.0	1.0
21-22	1	1.0	1.0
22-23	1	1.0	1.0
23-24	1	1.0	1.0
24-25	1	1.0	1.0
25-26	1	1.0	1.0
26-27	1	1.0	1.0
27-28	1	1.0	1.0
28-29	1	1.0	1.0
29-30	1	1.0	1.0
30-31	1	1.0	1.0
31-32	1	1.0	1.0
32-33	1	1.0	1.0
33-34	1	1.0	1.0
34-35	1	1.0	1.0
35-36	1	1.0	1.0
36-37	1	1.0	1.0
37-38	1	1.0	1.0
38-39	1	1.0	1.0
39-40	1	1.0	1.0
40-41	1	1.0	1.0
41-42	1	1.0	1.0
42-43	1	1.0	1.0
43-44	1	1.0	1.0
44-45	1	1.0	1.0
45-46	1	1.0	1.0
46-47	1	1.0	1.0
47-48	1	1.0	1.0
48-49	1	1.0	1.0
49-50	1	1.0	1.0
50-51	1	1.0	1.0
51-52	1	1.0	1.0
52-53	1	1.0	1.0
53-54	1	1.0	1.0
54-55	1	1.0	1.0
55-56	1	1.0	1.0
56-57	1	1.0	1.0
57-58	1	1.0	1.0
58-59	1	1.0	1.0
59-60	1	1.0	1.0
60-61	1	1.0	1.0
61-62	1	1.0	1.0
62-63	1	1.0	1.0
63-64	1	1.0	1.0
64-65	1	1.0	1.0
65-66	1	1.0	1.0
66-67	1	1.0	1.0
67-68	1	1.0	1.0
68-69	1	1.0	1.0
69-70	1	1.0	1.0
70-71	1	1.0	1.0
71-72	1	1.0	1.0
72-73	1	1.0	1.0
73-74	1	1.0	1.0
74-75	1	1.0	1.0
75-76	1	1.0	1.0
76-77	1	1.0	1.0
77-78	1	1.0	1.0
78-79	1	1.0	1.0
79-80	1	1.0	1.0
80-81	1	1.0	1.0
81-82	1	1.0	1.0
82-83	1	1.0	1.0
83-84	1	1.0	1.0
84-85	1	1.0	1.0
85-86	1	1.0	1.0
86-87	1	1.0	1.0
87-88	1	1.0	1.0
88-89	1	1.0	1.0
89-90	1	1.0	1.0
90-91	1	1.0	1.0
91-92	1	1.0	1.0
92-93	1	1.0	1.0
93-94	1	1.0	1.0
94-95	1	1.0	1.0
95-96	1	1.0	1.0
96-97	1	1.0	1.0
97-98	1	1.0	1.0
98-99	1	1.0	1.0
99-100	1	1.0	1.0
TOTAL	100	1.0	1.0
Estimated	100	1.0	1.0

DEATHS

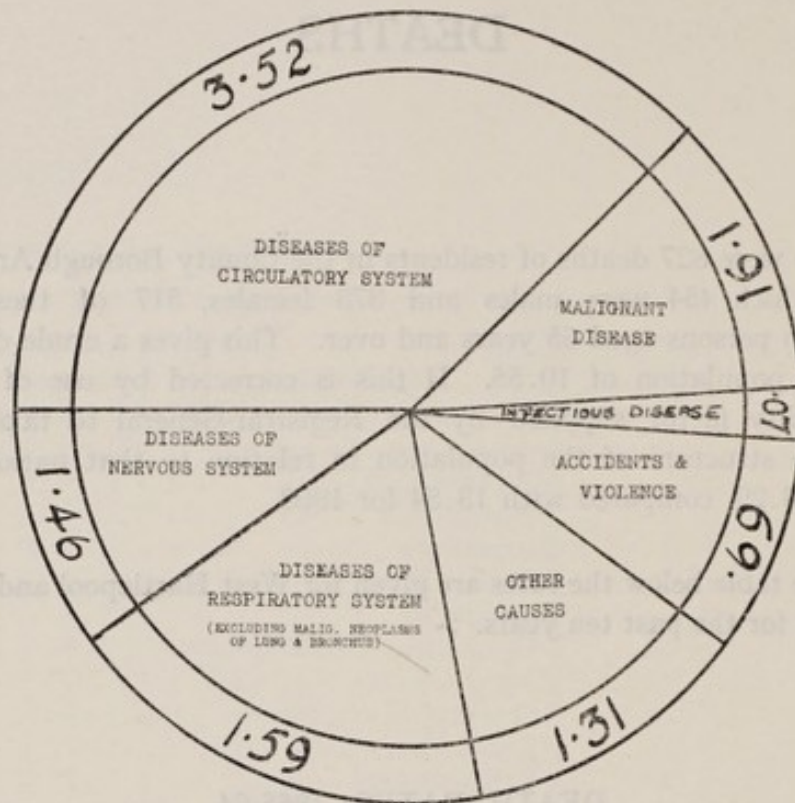
There were 827 deaths of residents in the County Borough Area during 1964 of which 454 were males and 373 females, 517 of these deaths occurred in persons aged 65 years and over. This gives a crude death rate per 1,000 population of 10.55. If this is corrected by use of the area comparability factor supplied by the Registrar-General to take account of the age structure of the population in relation to that nationally the figure is 13.29, compared with 13.54 for 1963.

In the table below the rates are given for West Hartlepool and England and Wales for the past ten years. :-

DEATH RATES, 1955-64.

YEAR	WEST HARTLEPOOL		ENGLAND AND WALES
	No. of Deaths	Death Rate per. 1000 Pop.	
1955	854	11.72	11.7
1956	875	11.95	11.7
1957	824	11.14	11.5
1958	849	11.41	11.7
1959	853	11.31	11.6
1960	837	11.00	11.5
1961	902	11.65	11.9
1962	826	10.56	11.9
1963	845	10.75	12.2
1964	827	10.55	11.3

The following diagram gives a clearer indication of the principal causes of death during the year, together with the death rates per 1,000 estimated resident population.



TOTAL DEATH RATE 10.55 PER 1,000 POPULATION.

DEATHS FROM CANCER.

During 1964 there were 147 deaths attributable to malignant neoplasms, the same number as in 1963. The rate per 1,000 estimated resident population was 1.87 as compared with 1.88 in 1963.

Cancer deaths comprised 17.77% of the total deaths during the year slightly higher than the figure for 1963 which was 17.5%.

Statistics relating to cancer deaths over the past ten years are set out below :

CANCER DEATHS 1955-64.

Year	No. of Cancer Deaths	Males	Females	Death Rate per 1000 population	Deaths from all causes	Percentage of total deaths
1955	122	66	56	1.67	854	14.28
1956	144	87	57	1.97	875	16.45
1957	141	74	67	1.91	824	17.11
1958	149	83	66	2.00	849	17.55
1959	141	81	60	1.87	853	16.53
1960	132	74	58	1.73	837	15.77
1961	135	78	57	1.74	902	14.96
1962	158	95	63	2.02	826	19.10
1963	147	84	63	1.88	845	17.51
1964	147	88	59	1.87	827	17.77

CANCER OF THE LUNG AND BRONCHUS.

Deaths from cancer of the lung again showed a slight fall during the year under review. The following table shows the death per 1,000 population from this cause for the last five years.

<i>Year</i>	<i>Death Rate per 1,000 population</i>
1960	0.36
1961	0.36
1962	0.66
1963	0.59
1964	0.51

In the following table deaths from cancer are analysed by location, sex and age.

CANCER DEATHS — PARTS OF BODY AFFECTED.

PARTS AFFECTED	Age		Under 35		35-45		45-55		55-65		65-75		Over 75		Total —1964		Total —1963	
	Sex		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	Stomach.....	—	—	1	—	2	1	4	1	4	1	1	5	12	8	12	11	
Other Digestive Organs and Peritoneum	—	—	—	1	1	1	5	3	7	3	6	5	19	13	10	15		
Genito-Urinary Organs...	—	—	1	1	—	—	3	3	1	1	1	3	6	8	12	16		
Breast.....	—	—	—	1	—	2	1	1	—	5	—	1	1	10	—	7		
Other Glands.....	—	—	—	—	—	—	1	—	1	—	3	—	5	—	—	—		
Lung and Bronchus.....	—	1	2	—	5	—	15	2	9	2	4	—	35	5	42	4		
Buccal Cavity & Pharynx	—	—	—	—	—	—	—	2	—	2	—	—	—	4	2	1		
Bone	—	—	—	1	—	1	—	—	—	—	—	—	—	2	—	—		
Other Parts	—	—	—	1	3	2	3	—	2	1	2	5	10	9	4	8		
TOTALS.....	—	1	4	5	11	7	32	12	24	15	17	19	88	59	84	63		

RESPIRATORY DISEASES.

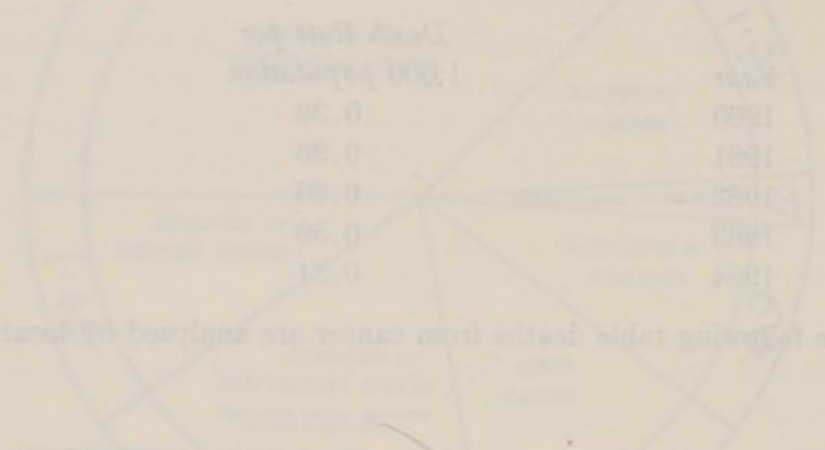
During 1964 there were 130 deaths from respiratory diseases (excluding tuberculosis) as against 125 in 1963.

MATERNAL MORTALITY.

There was 2 deaths from maternal causes during the year under review giving a maternal mortality rate of 1.22 as compared with 0.60 in 1963.

CANCER OF THE LUNG AND BRONCHUS

Deaths from cancer of the lung again showed a slight fall during the year under review. The following table shows the death rate per 1,000 population from this cause for the last five years.



In the following table deaths from cancer are analyzed by location, sex and age.

CANCER DEATHS - PARTS OF BODY AFFECTED

PARTS AFFECTED	Age 75 and over		Age 65-74		Age 55-64		Age 45-54		Age 35-44		Age 25-34		Age 15-24		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Stomach	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Digestive Organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Genito-Urinary Organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Parts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

RESPIRATORY DISEASES OTHER THAN CANCER

Under 1951 there were 130 deaths from respiratory diseases (excluding cancer) as against 125 in 1950.

RESPIRATORY DISEASES OTHER THAN CANCER	1951		1950	
	Number	Rate per 1,000 Population	Number	Rate per 1,000 Population
Total	130	0.52	125	0.50
Male	70	0.50	65	0.48
Female	60	0.54	60	0.52
Under 15	10	0.40	10	0.40
15-24	15	0.55	15	0.55
25-34	20	0.60	20	0.60
35-44	25	0.65	25	0.65
45-54	30	0.70	30	0.70
55-64	35	0.75	35	0.75
65-74	40	0.80	40	0.80
75 and over	45	0.85	45	0.85

TABLE SHOWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Total Deaths	AGE GROUPS								Deaths in Institutions	
		Under 1	1-2	2-5	5-15	15-25	25-45	45-65	65-75		75 up
Tuberculosis (respiratory)	5	—	—	—	—	—	—	2	2	1	3
„ Other	—	—	—	—	—	—	—	—	—	—	—
Syphilitic Disease	1	—	—	—	—	—	—	1	—	—	1
Diphtheria	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	1	—	—	1	—	—	—	—	—	—	1
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—
Other Infective and Parasitic	—	—	—	—	—	—	—	—	—	—	—
Diseases	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm—Stomach	20	—	—	—	—	—	1	8	5	6	7
„ „ Lung & Bronchus	40	—	—	—	—	—	3	22	11	4	24
„ „ —Breast	10	—	—	—	—	—	1	4	4	1	6
„ „ —Uterus	5	—	—	—	—	—	1	3	1	—	2
„ „ —Others	72	—	—	—	—	—	4	25	18	25	39
Leukæmia and Aleukæmia	3	—	—	—	1	—	—	1	—	1	2
Diabetes	5	—	—	—	—	—	1	1	2	1	3
Vascular Lesions of C.N.S.	114	—	—	—	—	—	3	26	30	55	70
Coronary Disease, Angina	170	—	—	—	—	—	7	47	52	64	57
Hypertension with Heart Disease	10	—	—	—	—	—	—	1	3	6	1
Other Heart Disease	67	—	—	—	—	—	—	5	8	14	26
Other Circulatory Disease	29	—	—	1	—	—	1	7	7	13	16
Influenza	1	—	—	—	—	—	—	1	—	—	1
Pneumonia	63	6	1	—	—	—	1	6	15	34	42
Bronchitis	49	1	—	—	1	—	—	14	16	17	35
Other Diseases of Respiratory System	12	—	—	—	—	—	3	1	3	5	7
Ulcer of Stomach and Duodenum	6	—	—	—	—	—	—	1	3	2	4
Gastritis, Enteritis and Diarrhœa	4	2	—	1	—	—	—	—	—	1	4
Nephritis and Nephrosis	10	—	—	—	—	1	1	3	2	3	9
Hyperplasia of Prostate	2	—	—	—	—	—	—	—	1	1	—
Pregnancy, Childbirth & Abortion	2	—	—	—	—	1	1	—	—	—	2
Congenital Malformations	10	10	—	—	—	—	—	—	—	—	10
Other defined and ill-defined diseases	62	18	—	1	2	—	2	9	9	21	45
Motor Vehicle Accidents	18	—	—	—	1	4	7	3	3	—	11
All other accidents	30	2	—	—	2	4	2	7	3	10	15
Suicide	6	—	—	—	—	—	2	2	1	1	2
Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—	—
TOTAL DEATHS	827	39	1	4	7	10	46	203	205	312	445

THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	Total Deaths	WARDS								
		North	West	Park	S.-West	Central	N.-East	Seaton	Soutl.	Owton
Tuberculosis (respiratory)	5	—	—	—	—	1	—	2	—	2
Tuberculosis Other	—	—	—	—	—	—	—	—	—	—
Syphilitic Disease	1	1	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	1	—	1	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—
Other Infective and Parasitic Diseases	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm - Stomach	20	—	3	3	6	1	2	1	3	1
" " - Lung & Bronchus	40	5	3	7	4	3	2	8	7	1
" " - Breast	10	1	1	2	3	—	—	—	2	1
" " - Uterus	5	1	—	1	1	—	1	—	—	1
" " - Others	72	6	11	8	8	8	9	9	9	4
Leukæmia and Aleukæmia	3	1	—	—	—	—	—	1	—	1
Diabetes	5	—	1	—	1	1	—	—	1	1
Vascular Lesions of C.N.S.	114	15	13	14	14	7	14	9	16	12
Coronary Disease, Angina	170	19	15	16	29	13	21	13	20	24
Hypertension with Heart Disease	10	1	3	—	3	—	—	2	1	—
Other Heart Disease	67	9	5	11	5	4	12	8	8	5
Other Circulatory Disease	29	3	2	3	1	1	6	4	3	6
Influenza	1	—	—	—	1	—	—	—	—	—
Pneumonia	63	5	6	5	7	5	10	8	9	8
Bronchitis	49	7	6	4	4	3	5	6	6	8
Other Diseases of Respiratory System	12	—	—	1	3	1	6	—	1	—
Ulcer of Stomach and Duodenum	6	2	1	1	—	—	1	—	1	—
Gastritis, Enteritis & Diarrhœa	4	—	—	1	1	1	—	—	—	1
Nephritis and Nephrosis	10	1	1	1	2	1	1	1	—	2
Hyperplasia of Prostate	2	—	—	—	—	—	1	1	—	—
Pregnancy, Childbirth and Abortion	2	—	1	—	—	—	1	—	—	—
Congenital Malformations	10	2	2	1	—	—	2	1	—	2
Other defined and ill-defined diseases	62	8	6	6	6	2	3	13	9	9
Motor Vehicle Accidents	18	3	—	3	2	1	2	2	3	2
All other accidents	30	3	4	5	3	1	5	3	1	5
Suicide	6	—	—	—	—	1	1	2	2	—
Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—
TOTAL DEATHS	827	93	85	93	104	55	105	94	102	96

TABLE THE DEATHS AS DISEASE

Year	Deaths	Percentage	Rank
Total Deaths	207	100	1
Heart Disease	100	48.3	2
Stroke	45	21.7	3
Other Diseases	62	29.9	4
Diabetes	10	4.8	5
Other Diseases	52	25.1	6
Other Diseases	10	4.8	7
Other Diseases	10	4.8	8
Other Diseases	10	4.8	9
Other Diseases	10	4.8	10
Other Diseases	10	4.8	11
Other Diseases	10	4.8	12
Other Diseases	10	4.8	13
Other Diseases	10	4.8	14
Other Diseases	10	4.8	15
Other Diseases	10	4.8	16
Other Diseases	10	4.8	17
Other Diseases	10	4.8	18
Other Diseases	10	4.8	19
Other Diseases	10	4.8	20
Other Diseases	10	4.8	21
Other Diseases	10	4.8	22
Other Diseases	10	4.8	23
Other Diseases	10	4.8	24
Other Diseases	10	4.8	25
Other Diseases	10	4.8	26
Other Diseases	10	4.8	27
Other Diseases	10	4.8	28
Other Diseases	10	4.8	29
Other Diseases	10	4.8	30

THE DEATHS CLASSIFIED BY SOCIAL CLASS
UNDER CAUSES AND AGES

CAUSE OF DEATH	Social Class 1			Social Class 2			Social Class 3			Social Class 4			Social Class 5			Un- classified
	Age Groups	0-15	15-65	65+	0-15	15-65	65+	0-15	15-65	65+	0-15	15-65	65+	0-15	15-65	
Tuberculosis (respiratory)	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1	1
" Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilitic Disease	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Infective and Parasitic Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm—Stomach	—	—	—	—	—	—	—	6	2	—	—	6	—	3	2	1
" " —Lung & " " —Bronchus	—	—	—	—	3	5	—	9	5	—	5	2	—	6	4	1
" " —Breast	—	—	—	—	1	1	—	1	2	—	1	—	—	1	1	2
" " —Uterus	—	—	—	—	—	—	—	2	1	—	1	—	—	1	—	—
" " —Others	—	—	—	—	2	6	—	14	20	—	6	9	—	7	8	—
Leukæmia and Aleukæmia	—	—	—	—	—	—	—	—	1	—	1	—	1	—	—	—
Diabetes	—	—	—	—	—	—	—	2	2	—	—	—	—	—	1	—
Vascular Lesions of C.N.S.	—	—	2	—	3	19	—	16	38	—	6	12	—	3	14	1
Coronary Disease, Angina	—	—	—	—	4	11	—	30	55	—	12	31	—	7	17	3
Hypertension with Heart Disease	—	—	—	—	1	3	—	—	3	—	—	1	—	—	2	—
Other Heart Disease	—	1	—	—	—	7	—	9	30	—	1	6	—	2	9	2
Other Circulatory Disease	—	—	1	—	2	3	—	—	10	—	3	1	1	3	3	2
Influenza	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Pneumonia	—	—	1	1	1	4	4	2	17	1	3	12	1	1	12	3
Bronchitis	—	—	—	—	—	5	1	6	8	1	3	7	—	6	12	—
Other Diseases of Respiratory System	—	—	—	—	—	—	—	1	6	—	1	—	—	1	2	1
Ulcer of Stomach and Duodenum	—	—	—	—	1	1	—	—	2	—	—	2	—	—	—	—
Gastritis, Enteritis and Diarrhœa	—	—	—	1	—	—	—	2	1	—	—	—	—	—	—	—
Nephritis and Nephrosis	—	1	—	—	—	—	—	—	2	3	—	3	1	—	—	—
Hyperplasia of Prostate	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—
Pregnancy, Childbirth & Abortion	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—
Congenital Malformations	—	—	—	—	—	—	6	—	—	2	—	—	2	—	—	—
Other defined and ill-defined diseases	—	—	—	3	3	6	6	6	10	4	2	6	5	1	7	3
Motor Vehicle Accidents	—	—	—	—	—	1	1	6	1	—	1	3	—	4	—	1
All other accidents	—	1	—	—	—	1	—	5	7	1	1	2	3	3	1	2
Suicide	—	—	—	—	—	—	—	—	—	—	1	—	—	6	1	1
Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL DEATHS	—	3	4	5	21	73	21	119	223	9	53	103	13	58	98	24

STATISTICAL BUREAU
 THE HEALTH OF THE
 UNITED STATES

Cause of Death	Sex					Total
	Male	Female	Both	Rate	Ratio	
Heart Disease	120	110	230	115	115	230
Stroke	90	80	170	85	85	170
Diabetes	40	30	70	35	35	70
Other Diseases	10	10	20	10	10	20
Tuberculosis (respiratory)	10	10	20	10	10	20
Other	10	10	20	10	10	20
Syphilitic Infection	10	10	20	10	10	20
Diphtheria	10	10	20	10	10	20
Whooping Cough	10	10	20	10	10	20
Meningococcal Infection	10	10	20	10	10	20
Acute Poliomyelitis	10	10	20	10	10	20
Measles	10	10	20	10	10	20
Other Infective and Parasitic	10	10	20	10	10	20
Dysentery	10	10	20	10	10	20
Malignant Neoplasm-Stomach	10	10	20	10	10	20
Other	10	10	20	10	10	20
Leukemia and Aplastic Anemia	10	10	20	10	10	20
Diabetes	10	10	20	10	10	20
Vascular Lesions of C.V.S.	10	10	20	10	10	20
Genitourinary Infection	10	10	20	10	10	20
Heart Disease with Heart Failure	10	10	20	10	10	20
Other Heart Disease	10	10	20	10	10	20
Other Circulatory Diseases	10	10	20	10	10	20
Infarction	10	10	20	10	10	20
Emphysema	10	10	20	10	10	20
Pneumonia	10	10	20	10	10	20
Other Diseases of Respiratory System	10	10	20	10	10	20
Other Diseases of Respiratory System	10	10	20	10	10	20
Ear of Stomach and Intestines	10	10	20	10	10	20
Gastric, Duodenal and Duodenal	10	10	20	10	10	20
Nephritis and Nephrosis	10	10	20	10	10	20
Hypertension of Nerves	10	10	20	10	10	20
Organic, Alcoholic & Abused	10	10	20	10	10	20
Organic Malnutrition	10	10	20	10	10	20
Other defined and ill-defined	10	10	20	10	10	20
Other	10	10	20	10	10	20
Motor Vehicle Accidents	10	10	20	10	10	20
All other accidents	10	10	20	10	10	20
Suicide	10	10	20	10	10	20
Homicide and Operations of War	10	10	20	10	10	20
Total Deaths	1000	1000	2000	1000	1000	2000

INFECTIOUS DISEASES AND VENEREAL DISEASE

(EXCLUDING TUBERCULOSIS)

Notification of infectious disease (excluding tuberculosis) numbered 401 and of these 11 cases received hospital treatment. Measles notifications totalled 347 leaving 54 notifications of other forms of infections compared with 74 in 1963. The tables below give further details of notifications during 1964.

DISEASE	Total Cases Notified	No. of such cases treated in hospital
Scarlet Fever	12	—
Whooping Cough	9	—
Measles	347	1
Meningococcal Infection	3	3
Dysentery	21	4
Food Poisoning	4	1
Puerperal Pyrexia	1	1
Pneumonia	2	—
Acute Encephalitis	1	1
Erysipelas	1	—

Disease	Hospital						Total
	Gr'ntully Mat.Hme	Brierton Hospital	General Hospital	Cameron Hospital	H'pools. Hospital	Other Hospitals	
Dysentery	—	2	2	—	—	—	4
Food Poisoning	—	1	—	—	—	—	1
Puerperal Pyrexia	—	—	1	—	—	—	1
Meningococcal infection	—	1	2	—	—	—	3
Acute Encephalitis	—	1	—	—	—	—	1
Measles	—	—	1	—	—	—	1

SCARLET FEVER

The incidence of scarlet fever showed a slight drop from the 15 cases notified in 1963. Of the 12 notified cases 8 were for children in the 5 to 10 years age range.

WHOOPIING COUGH

Only 9 cases of whooping cough were reported during 1964 as against 28 in the previous year. Six of these cases referred to children in the 0 to 5 years age range.

MEASLES

As was expected there was a sharp decline during 1964 in the number of notified cases of measles, 347 as against 1,216 in 1963, but 144 of the total cases were notified in December which indicated a possible high cyclic incidence of this disease during 1965. 224 notifications referred to children in the 0 to 5 years age range and there were 121 notifications for children in the 5 to 10 years age group.

DYSENTERY

There were 21 notifications of dysentery during 1964 of which 4 required hospital treatment. 15 were children in the 0 to 5 years age group and only 2 were aged over 20.

VENEREAL DISEASE

I am grateful to Dr. E. Campbell, Consultant Venereologist, for the following report on venereal disease and the work of the Treatment Centre at the General Hospital, West Hartlepool, during 1964 :

"During the year 1964 the number of patients attending the Tees-side Special Treatment Clinics showed a rise of 18% over the previous year. The number of new patients attending the West Hartlepool Clinic, however, approximated closely to the 1963 return but as patients very often prefer to attend a clinic outside their own area, the figures appertaining to particular clinics are not a true reflection of the incidence of disease in that town. With this in mind the actual increase in West Hartlepool cases was 26, that is an increase of just over 47%.

The incidence of Gonorrhœa in the area has followed a pattern of rising figures for two years and then a fall; this pattern continues, a slight rise during 1963 has again been followed by a sharp rise during 1964 (30% increase).

A study of the age groups of patients suffering from Gonorrhœa still shows the majority of male patients to be over 25 years of age (64% of the total) but it is noted that males aged 18-19 rose from 11 cases in 1963 to 24 in 1964. The number of female patients 17 years of age and under remains at a low level. During the year 12 attended as against 8 in the previous year and males of that age group decreased from 4 to 2.

During 1964 there was a good response from contacts who had been given a contact note or had been visited by a Social Worker. Of the 431 cases of Gonorrhœa treated during the year, 295 had contracted their infection within the area and a high proportion of these contacts—35%—were found and persuaded to attend for examination. Of the 117 cases of female patients treated for Gonorrhœa 92 were known contacts of male patients under treatment."

NOTIFICATIONS OF INFECTIOUS DISEASES—AGE GROUPS AND WARD DISTRIBUTION.

Disease	At all ages	Age Group Distribution											Ward Distribution of Cases											
		Age un-known	Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and over	North East	Central	North	West	Park	South West	South	Seaton	O'ton	
Scarlet Fever	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	9	—	2	1	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	347	8	51	48	51	46	121	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infection	3	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	21	2	4	5	2	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Food Poisoning	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary Tuberculosis	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis (Other Forms)	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Encephalitis	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	426	10	22	59	55	56	51	136	3	3	15	4	10	2	29	36	47	67	41	15	68	36	86	

NOTIFICATIONS OF INFECTIOUS DISEASES—SHOWING INCIDENCE THROUGHOUT THE YEAR.

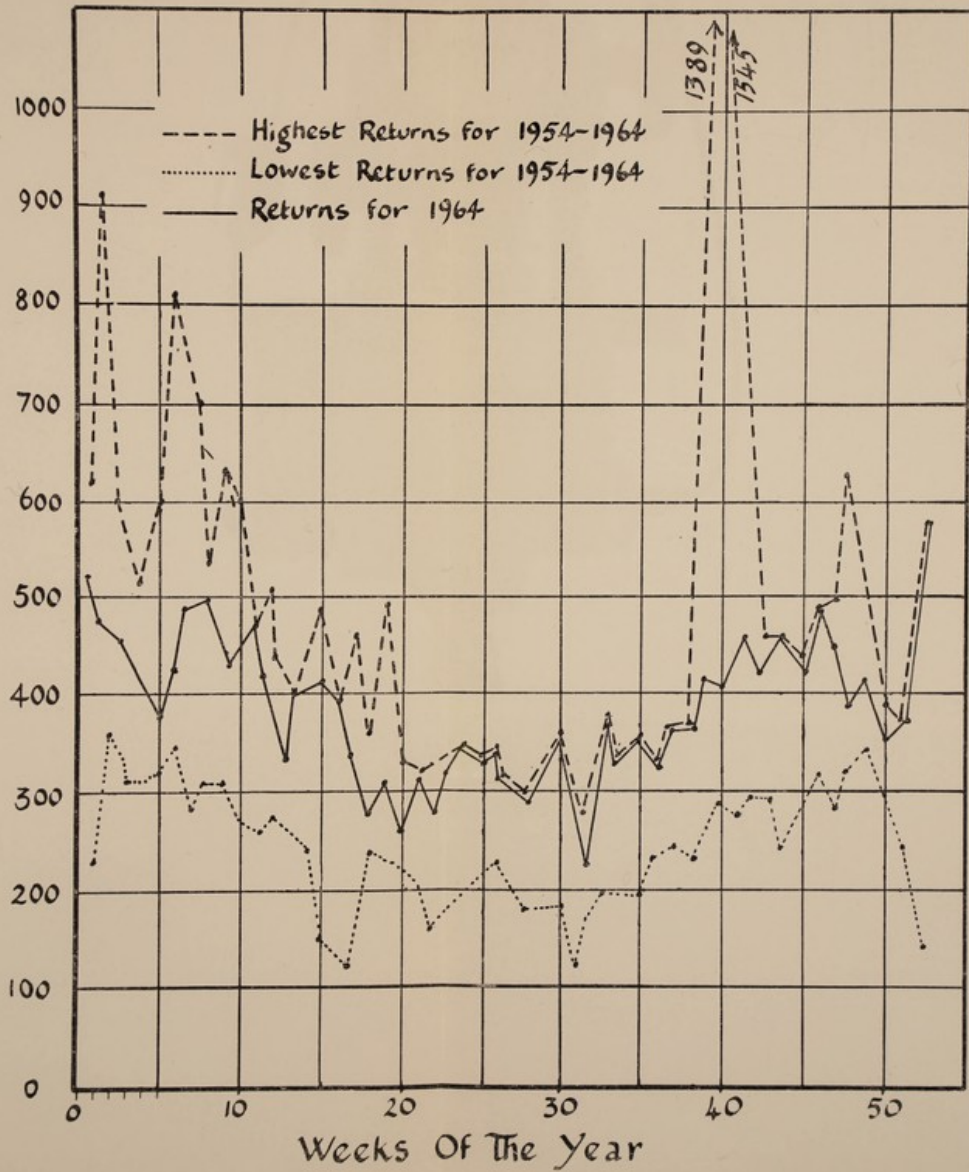
Disease	January	February	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Totals
Scarlet Fever	1	2	—	—	—	1	—	—	1	4	2	1	12
Whooping Cough	—	1	1	2	—	—	—	3	—	—	—	2	9
Measles	6	7	11	3	9	21	15	23	20	35	53	144	347
Meningococcal Infection	—	—	1	—	—	1	1	—	—	—	—	—	3
Dysentery	—	6	—	3	—	—	1	—	1	6	5	—	21
Food Poisoning	—	—	—	—	—	—	1	—	2	—	1	—	4
Puerperal Pyrexia	1	—	—	—	—	—	—	—	—	—	—	—	1
Pneumonia	—	—	—	—	—	—	—	—	—	—	1	—	2
Acute Encephalitis	—	—	—	—	—	1	—	—	—	—	—	—	1
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	1
Pulmonary Tuberculosis	—	3	3	4	1	—	2	1	1	—	2	1	18
Tuberculosis (Other Forms)	—	2	2	1	—	—	—	—	—	1	1	—	7
Totals	8	23	18	13	10	24	19	27	25	46	65	148	426

Particulars	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025																																																																																																																																																																																																																																																																																																																																
Income	10	12	15	18	20	22	25	28	30	32	35	38	40	42	45	48	50	52	55	58	60	62	65	68	70	72	75	78	80	82	85	88	90	92	95	98	100	102	105	108	110	112	115	118	120	122	125	128	130	132	135	138	140	142	145	148	150	152	155	158	160	162	165	168	170	172	175	178	180	182	185	188	190	192	195	198	200	202	205	208	210	212	215	218	220	222	225	228	230	232	235	238	240	242	245	248	250	252	255	258	260	262	265	268	270	272	275	278	280	282	285	288	290	292	295	298	300	302	305	308	310	312	315	318	320	322	325	328	330	332	335	338	340	342	345	348	350	352	355	358	360	362	365	368	370	372	375	378	380	382	385	388	390	392	395	398	400	402	405	408	410	412	415	418	420	422	425	428	430	432	435	438	440	442	445	448	450	452	455	458	460	462	465	468	470	472	475	478	480	482	485	488	490	492	495	498	500	502	505	508	510	512	515	518	520	522	525	528	530	532	535	538	540	542	545	548	550	552	555	558	560	562	565	568	570	572	575	578	580	582	585	588	590	592	595	598	600	602	605	608	610	612	615	618	620	622	625	628	630	632	635	638	640	642	645	648	650	652	655	658	660	662	665	668	670	672	675	678	680	682	685	688	690	692	695	698	700	702	705	708	710	712	715	718	720	722	725	728	730	732	735	738	740	742	745	748	750	752	755	758	760	762	765	768	770	772	775	778	780	782	785	788	790	792	795	798	800	802	805	808	810	812	815	818	820	822	825	828	830	832	835	838	840	842	845	848	850	852	855	858	860	862	865	868	870	872	875	878	880	882	885	888	890	892	895	898	900	902	905	908	910	912	915	918	920	922	925	928	930	932	935	938	940	942	945	948	950	952	955	958	960	962	965	968	970	972	975	978	980	982	985	988	990	992	995	998	1000

WORLDWIDE CYCLE OF INVESTMENT DECREASE 1980-1990

MORBIDITY STATISTICS

Weekly figures for new claims Sickness Benefit (Min. of Nat. Insurance)
 (West Hartlepool).



STATIONARY

(continued) (see page 10)

Stationary



Stationary

MATERNITY & CHILD WELFARE

ANTE-NATAL CARE

The emphasis on the need for ante-natal care was continued during the current year and with the opening of the new Maternity and Child Welfare Clinic at Seaton Carew, another area of the County Borough has now got purpose built ante-natal facilities.

MIDWIVES' CLINIC

The Authority provides three Midwives Clinics where patients may receive ante-natal care and advice from the particular midwife who will be present at the confinement.

Details of attendances during 1964 and comparative figures for 1963 are given below :

CLINIC	1964		1963	
	Attenders	Attendances	Attenders	Attendances
Stranton House ..	134	483	162	418
Wynard Road ..	135	310	161	314
Seaton Carew ..	3	18	—	—
TOTALS ..	272	811	323	732

INFANT WELFARE CENTRES

In June 1964 the Council opened its first purpose built Maternity and Child Welfare Centre at Seaton Carew. The building is a cedar pre-fabricated building with gas central heating erected at a cost of approximately £6,250 and the area which it serves has a projected population of about 5,100.

The numbers and attendances at the Centre continue to increase and the following tables give details of attendances and consultations at the various centres.

ATTENDANCES

Centre	Total No. of Children attending the Centre			Total Attendances			No. of children who made first attendances	No. of visits made by these children	No. of children who attended in previous years	No. of visits made by these children	No. of new attenders under one year	No. of new attenders between 1—5
	Under 1	1 year	2—5	Under 1	1 year	2—5							Total
Dale Street . . .	145	105	240	2,703	569	661	179	1,884	311	2,049	173	6
Seaton Carew . .	104	73	95	1,964	334	43	155	1,308	117	1,033	123	32
Oxford Street . .	197	148	263	3,665	599	586	238	2,110	370	2,740	224	14
Wynyard Road . .	368	211	586	6,074	526	816	499	3,537	666	3,879	420	79
St. Matthew's . .	190	142	346	4,498	950	1,080	223	2,103	455	4,425	212	11
Stranton House .	68	55	93	1,022	151	205	88	608	128	770	84	4
St. Luke's	213	171	250	4,337	678	932	245	2,645	389	3,302	235	10
Totals 1964	1,285	905	1,873	4,063	3,807	4,323	1,627	14,195	2,436	18,198	1,471	156
Totals 1963	2,068	771	993	3,832	22,187	3,046	1,523	14,878	2,309	14,052	1,410	113
Totals 1962	1,982	747	1,161	3,890	20,147	2,995	1,617	13,495	2,273	13,363	1,374	243
Totals 1961	1,774	819	960	3,553	19,194	2,938	1,436	13,086	2,117	12,105	1,270	166

METHODS OF FEEDING (FIRST ATTENDERS)

Centre	Breast	Artificial	Breast & Artificial Supp.	Artificial & Ordny. Diet	Ord. Diet Under 1 year	Ord. Diet over 1 year	Total
Dale Street	12	154	3	1	3	6	179
Seaton Carew	14	104	2	—	3	32	155
Oxford Street	12	210	2	—	—	14	238
Wynyard Road	28	385	3	—	8	75	499
St. Matthew's	17	190	5	—	—	11	223
Stranton House	7	75	1	—	2	3	88
St. Luke's	22	208	5	—	—	10	245
TOTALS	112	1,326	21	1	16	151	1,627

EXAMINATIONS AND CONSULTATIONS BY MEDICAL OFFICERS
AT INFANT WELFARE CENTRES

Centre	Children			Vac- cinations	Immunisations			Consult- ations with Mothers
	Under 1 year	1—2 years	2—5 years		Diphtheria	Poliomyelitis		
						6 mths —5yrs.	Mothers	
Dale Street	806	154	153	29	395	393	18	1,002
Seaton Carew	574	163	137	48	287	259	1	725
Oxford Street	808	231	239	45	466	569	12	1,245
Wynyard Road	1,101	562	868	62	1,129	1,415	45	340
St. Matthew's	1,016	257	162	61	656	541	12	918
Stranton	306	93	160	9	184	205	10	299
St. Luke's	1,048	206	142	44	532	457	18	1,338
Totals 1964	5,659	1,666	1,861	298	3,649	3,839	116	5,867
Totals 1963	5,661	1,001	1,304	103	2,608	3,153	252	4,432

EXAMINATIONS BY MEDICAL OFFICERS AT INFANT WELFARE
CENTRES SHOWING CONDITIONS FOUND IN INFANTS

Condition	Dale Street	Seaton Carew	Oxford Street	Wynyard Road	St. M'thew's	Stranton	St. Luke's	Total
Abscess	—	—	—	4	—	—	2	6
Anæmia	—	4	3	4	—	—	—	11
Balanitis	—	2	—	3	—	—	—	5
Bronchitis	9	23	6	26	4	4	4	76
Burns and Scalds	—	3	2	1	—	—	—	6
Circumcision	—	3	—	1	—	—	3	7
Conjunctivitis	22	16	4	28	22	10	5	107
Constipation	10	6	11	8	11	14	5	65
Coughs and Colds	62	27	64	53	17	17	44	284
Dental Defects	—	—	—	2	—	2	1	5
Diarrhœa	14	22	22	21	15	6	23	123
Enlarged glands	—	2	3	4	—	—	1	10
Enuresis	—	2	—	5	—	—	—	7
Eye defects	—	6	9	1	—	3	22	41
Feeding difficulties	3	30	22	21	24	46	12	158
Gastritis	2	5	2	2	—	—	4	15
Inguinal Hernia	—	—	1	5	—	—	10	16
Infectious Diseases	4	—	1	10	—	—	—	15
Nævis	—	3	1	3	1	—	—	8
Nasal Catarrh	4	8	4	3	—	—	5	24
Otic defects	2	2	9	1	—	6	—	20
Otitis Media	8	—	3	7	1	—	7	26
Otorrhœa	5	7	11	9	4	10	3	49
Phimosis	2	—	6	8	1	—	2	19
Physical defects	—	8	5	15	2	2	3	35
Pyloric Stenosis	—	1	1	1	—	—	—	3
Rash	36	29	33	46	26	12	46	223
Seborrhœa	9	7	2	6	2	—	7	33
Skin Diseases	8	3	6	15	1	1	3	37
Speech Difficulties	1	—	—	2	2	5	2	12
Stomatitis	—	—	4	1	—	—	—	5
Strabismus	—	—	—	9	2	—	1	12
T. and A.	7	1	2	4	2	7	3	26
Teething difficulties	—	6	4	14	5	—	—	29
Thrush	8	12	5	10	2	—	5	42
Umbilical defects	—	6	2	2	3	1	1	15
Umbilical hernia	14	10	11	8	7	4	4	58
Urticaria	14	—	5	21	1	—	—	41
Vomiting	6	22	27	23	13	2	9	102
Worms	2	1	1	2	—	1	—	7
Other Conditions	26	47	65	25	4	13	5	185
Totals	278	324	357	434	172	166	242	1,973

DISTRIBUTION OF WELFARE AND PROPRIETARY FOODS.

Welfare Foods are available at each of the Infant Welfare Centres and supplies can also be obtained at the Health and Welfare Department during normal office hours.

The sales of Welfare Foods showed a slight decrease during 1964, with the exception of Orange Juice where the issues showed a 14% increase over 1963 figures.

In the table below the comparative figures for 1964 and 1963 are shown :

	1964		1963	
	<i>Issues</i>	<i>Value</i> £	<i>Issues</i>	<i>Value</i> £
National Dried Milk (tins)	8,643	1,085	10,724	1,344
" " "	2,367	Free	3,476	Free
Orange Juice (bottles)	13,279	996	10,909	818
" "	2,033	Free	2,557	Free
Cod Liver Oil (bottles)	1,187	59	1,096	55
" " "	382	Free	572	Free
Vitamin A and D Tablets (packets)	647	16	605	15
" " " "	59	Free	73	Free

Details of proprietary food sales during the year are given below :—

	TOTALS	
	1964	1963
Adexolin (bottles).....	3,529	2,819
Cow & Gate (packets)	12,268	9,440
Ostermilk (tins).....	17,884	15,944
S.M.A. Liquid and Powder	1,559	1,575
Farex (packets).....	2,230	1,841
Minadex (packets).....	763	471
Baby Rice (packets)	996	899
Scotts Twin Pack (packets)	568	695
Ovaltine (tins)	8,165	7,212
Robrex (Mixed Cereal)	525	431
Rose Hip Syrup (bottles)	8,368	4,771
Weaning Foods (Cow and Gate).....	2,802	—
Horlick's (tins)	2,559	2,214

Trufood Milk (packets)	199	531
Trufood Cereal (packets).....	463	534
Carnation Milk (tins).....	2,108	1,246
High Protein.....	188	—
Instant Foods	797	1,249
Farlene	977	—
	1964	1963
	1962	

Value of Sales of Proprietary Foods : £8,101/6/8 £6,779/7/9 £5,691/17/10

ANTE-NATAL CLINIC.

This clinic is held at Stranton House each Friday afternoon and the Consultant Obstetrician is assisted by the Municipal Midwives.

The following report has been prepared by the Consultant Obstetrician, Mr. L. A. Cruttenden :—

The increase in the number of cases booked for domiciliary confinement who have been referred to the Clinic for consultation confirms its usefulness as a centre where a number of problems both medical and social occurring in such patients can be dealt with.

Our finding of a positive cervical smear among the patients attending and the subsequent satisfactory outcome of treatment is noteworthy, and a reminder of the value of this investigation.

It is to be greatly hoped that women will make full use of the clinics shortly to be introduced for the taking and examination of cervical smears.

	1964	1963
Total attendances	381	374
No. of patients who attended.....	142	127
Patients referred by practitioners for consultation...	73	48
Cases referred from other Health Authority Clinics..	—	—

	1964	1963
Abnormalities discovered—		
Anæmia in Pregnancy	11	31
Toxæmia of Pregnancy	4	5
Blood Incompatibility.....	1	—
Post-maturity	2	4
Pyelitis of Pregnancy	2	1
Malpresentation	10	5
Essential Hypertension of Pregnancy.....	1	—
Hydramnios.....	2	2
Positive Cervical Smear.....	1	—
Not Pregnant	2	—
Post-natal—No. of Patients.....	13	11
New Cases	9	9
Attendances.....	15	16

DENTAL TREATMENT—EXPECTANT AND NURSING MOTHERS AND CHILDREN UNDER SCHOOL AGE.

The tables below give an indication of the use being made of the service provided by the Council for dental treatment of expectant and nursing mothers and children under five.

A. NUMBERS PROVIDED WITH DENTAL CARE.

	Year	Examined	Needing Treatment	Treated	Made Dentally Fit
Expectant & Nursing mothers	1963	1	1	1	1
	1964	—	—	—	—
Children under Five	1963	28	28	28	28
	1964	50	50	50	50

B. FORMS OF DENTAL TREATMENT PROVIDED.

	Year	Fillings	Silver Nitrate Treatment	Extractions	Dentures Provided	
					Full Upper/Lower	Partial Upper/Lower
Expectant & Nursing mothers	1963	—	—	—	2	—
	1964	—	—	—	—	—
Children under Five	1963	9	22	11	—	—
	1964	56	9	16	—	—

VICTORIA ROAD DAY NURSERY.

The average daily attendance at the Nursery rose slightly during the year under review despite the average numbers attending being somewhat lower than in 1963. The numbers in the under-2 age group showed a slight drop from the previous year whilst in the 2-to-5 years age group the average daily attendance improved from 36 in 1963 to 44 in 1964.

No. of approved places—Under 2	30
2 — 5	50
No. of children on the register at 31st December, 1964—Under 2	16
2 — 5	53
Average daily attendance during the year—Under 2	19
2 — 5	44

CARE OF UNMARRIED MOTHERS.

The Hartlepoons Deanery and Moral Welfare Association makes arrangements for the care of unmarried mothers, and the authority makes an annual grant of £600 towards the provision of a Moral Welfare Worker.

During 1964 the authority assisted in the maintenance of nine unmarried expectant mothers in mother and baby homes.

NURSERIES AND CHILD MINDERS REGULATION ACTS, 1948.

There were no new registrations under the provision of the above Act during 1964.

NURSING HOMES.

There are no Registered nursing homes in West Hartlepool.

MIDWIFERY

PART II MIDWIFERY TRAINING SCHEME.

During 1964 8 pupil midwives recruited by the hospital authorities were given district training and all were successful in their examinations. Two pupils were receiving training at the end of the year.

STAFF.

Nine domiciliary midwives were employed at the beginning of the year, one of whom was engaged solely on the nursing of premature infants.

SUMMARY OF WORK.

The total number of cases delivered by domiciliary midwives again fell during 1964 with the result that the average case load for the year was reduced from 37 in 1963 to 31 in 1964.

Further details of the work of the domiciliary midwives are given below :

CASE LOAD 1960/64.

	1960	1961	1962	1963	1964
No. of deliveries	528	469	387	331	277
Average Case Load.....	66	52	43	37	31
No. of cases attended on discharge from hospital before 10th day	179	206	124	248	368

No. of deliveries attended by midwives during the year—

(a) Doctor not booked	
(i) Present at time of delivery	—
(ii) Not present at time of delivery	3
(b) Doctor booked	
(i) Present at time of delivery	15
(ii) Not present at time of delivery	259
	—
Total	277
	—

No. of cases in which gas and air were administered—

(a) Doctor present at time of delivery.....	—
(b) Doctor not present at time of delivery	6

No. of cases in which trilene was administered—	
(a) Doctor present at time of delivery.....	12
(b) Doctor not present at time of delivery	193
No. of cases in which pethidine was administered—	
(a) Doctor present at time of delivery.....	10
(b) Doctor not present at time of delivery	179
No. of cases delivered in institutions but attended by Domiciliary Midwives on discharge and before the 10th day	
	368
No. of domiciliary cases in which the infant was wholly breast fed at the 14th day.....	
	55
Ante-natal care undertaken by—	
(i) General Medical Practitioner only	11
(ii) General Medical Practitioner, L.A. Clinic and Municipal Midwife	49
(iii) General Medical Practitioner and Municipal Midwife	202
(iv) Local Authority Clinic and Municipal Midwife.....	3
(v) Municipal Midwife only	4
(vi) No ante-natal care	3

Visits in connection with :

(i) Ante-natal care	1,303
(ii) Nursings.....	3,853
(iii) Hospital discharges.....	2,819
(iv) Premature infants.....	2,435
(v) Jectofer Injections.....	2,210
(vi) False calls.....	269
(vii) Oil bath enemas.....	70
(viii) Miscellaneous.....	83
	<hr/>
TOTAL VISITS ..	13,042
	<hr/>
INEFFECTIVE VISITS	497

Clinic sessions :

(i) Ante-natal clinics	158
(ii) Midwives' clinics.....	166

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN AN EMERGENCY BY MIDWIVES

Pregnancy—	Puerperium—
Rising Blood Pressure	Mental Instability & Confusion . 1
Albuminuria	Puerperal Pyrexia
Ante-partum Hæmorrhage	Inflamed left breast
—	—
7	3
—	—

Placenta Praevia	—	1
Premature Labour	5	—
Toxaemia	2	—
	—	—
	19	3
	—	—

No. of infant deaths within 10 days—

Causes — Prematurity	3	—
Anencephaly	1	—
	—	—
	4	0
	—	—

DOMICILIARY CONFINEMENTS

The midwives at their clinics as well as the Consultant Obstetrician make every endeavour to persuade prospective mothers whose Para is 5 or more or who over the age of 35 to have institutional confinements. During the year under review 13.7% of domiciliary confinements fell into one or both of these categories as compared with 20.5% in 1963.

DOMICILIARY CONFINEMENTS

Age Group	Paras								Total
	0	1	2	3	4	5	6	7/8	
Up to and inc. 20 yrs.	8	8	3	2	—	—	—	—	21
20 — 25 years	6	37	25	15	4	1	—	—	88
25 — 30 years	3	14	35	33	8	2	1	2	98
30 — 35 years	1	3	13	15	6	3	3	3	47
35 yrs. upwards	—	2	4	5	4	6	2	—	23
Totals.....	18	64	80	70	22	12	6	5	277

HEALTH VISITING

STUDENT HEALTH VISITORS' TRAINING SCHEME

The three students who were in training at the 31st December 1963 obtained their Health Visitor's Certificate in June, 1964. There were two students undergoing training at the end of 1964.

STAFF

There were ten qualified full time health visitors and one part-time visitor under the supervision of the Superintendent employed by the Council at the 31st December, 1964.

SUMMARY OF WORK

During 1964 the number of visits paid by Health Visitors remained practically the same as in 1963 but the average visit per nurse showed a decrease from 5,643 in 1963 to 4,719 in the current year.

Details of the work of the Health Visitors are given in the table which follows :—

Year	Number of Health Visitors	Total Visits	Average Visits per Nurse
1963	11	62,076	5,643
1964	11	51,911	4,719

HEALTH VISITING 1960/64

VISITS				Expectant Mothers	INFECTIOUS DISEASE						Sub-normal Patients	SPECIAL ENQUIRIES								Total visits to			Ineff. Visits			
Children					Pneumonia	Puerperal Pyrexia	Measles	Whooping Cough	Tuberculosis	Others		Housing	Infant Deaths	Still-births	Aged Persons	Hospital After Care	Adoptions	Ante-Natal Care	Problem Families	Others	Total Visits	Families or house-holds		Children under 5	Number of attendances at Infant Welfare Centres	
0-1		1-2	2-5																							
FIRST	RE-VISITS																									
1964	1,531	5,761	4,370	9,451	729	1	1	227	6	499	46	5	173	33	23	786	407	7	—	226	57	24,339	6,184	8,410	794	5,679
1963	1,861	5,787	4,707	9,366	841	12	3	528	69	156	151	6	157	41	25	993	314	14	—	331	76	25,438	6,046	8,121	667	5,412
1962	1,983	5,487	4,760	9,202	717	3	2	1	9	—	118	16	115	62	34	690	249	19	—	538	391	24,396	6,001	8,200	786	5,298
1961	2,076	6,378	5,385	11,511	967	32	—	226	5	—	—	18	121	77	27	805	276	6	11	538	338	28,797	6,877	9,184	860	7,172
1960	1,579	5,206	4,749	9,884	910	14	4	11	64	—	—	40	200	55	34	869	195	23	—	306	218	24,361	5,674	7,720	700	6,014

HEALTHY

Year	TYPHOID FEVER CASES							TYPHOID FEVER DEATHS			
	1901	1902	1903	1904	1905	1906	1907	1901	1902	1903	1904
1901	10	15	20	25	30	35	40	1	2	3	4
1902	12	18	22	28	32	38	42	1	2	3	4
1903	14	20	25	30	35	40	45	1	2	3	4
1904	16	22	28	32	38	42	48	1	2	3	4
1905	18	24	30	35	40	45	50	1	2	3	4
1906	20	26	32	38	42	48	52	1	2	3	4
1907	22	28	34	40	45	50	55	1	2	3	4

HOME NURSING

STAFF.

There are ten state registered nurses employed by the Council working under the supervision of the Non-medical Supervisor of Midwives and District Nurses.

SUMMARY OF WORK.

The statistics for the year under review, which are fully analysed in the following tables, show no significant changes from 1963 although the number of cases and visits have increased by approximately 55%.

Year	TOTALS		PER NURSE	
	Cases	Visits	Cases	Visits
1955	609	12,575	101	2,091
1956	708	16,566	117	2,761
1957	657	15,217	109	2,536
1958	874	22,987	145	3,831
1959	804	23,499	134	3,916
1960	764	22,785	127	3,797
1961	752	23,164	125	3,861
1962	874	23,019	125	3,288
1963	998	28,252	111	3,140
1964	1,541	49,246	154	4,924

CASES AND VISITS DURING 1964 ANALYSED ACCORDING TO AGE AND DISEASE

DISEASE OR CONDITION	Age 0-5		Age 5-15		Age 15-45		Age 45-65		Age 65 and over		Totals	
	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits
	Tuberculosis.....	—	—	2	144	33	3,370	20	1,578	5	239	60	5,331
Other Infectious Disease.....	—	—	—	—	3	434	1	10	—	—	4	444
Parasitic Diseases.....	2	8	—	—	2	8	—	—	2	8	6	24
Malignant and Lymphatic Neoplasm.....	—	—	—	—	13	156	21	382	33	1,256	67	1,794
Asthma.....	—	—	—	—	2	19	1	34	4	206	7	259
Diabetes mellitus.....	—	—	—	—	3	437	13	1,668	23	4,369	39	6,474
Anemias.....	—	—	—	—	36	449	43	765	140	5,606	219	6,820
Vascular Lesions of C.N.S.....	—	—	—	—	—	—	20	945	90	3,031	110	3,976
Other mental and nervous disease.....	—	—	—	—	8	195	17	1,584	8	571	33	2,350
Diseases of the Eye.....	—	—	—	—	—	—	1	6	2	97	3	103
Diseases of the Ear.....	1	26	—	—	—	—	—	—	1	36	2	62
Heart and Artery Disease.....	—	—	—	—	6	225	55	2,278	114	1,234	175	3,737
Disease of the Veins.....	—	—	—	—	—	—	10	756	20	1,583	30	2,339
Upper Respiratory Disease.....	—	—	—	—	2	35	—	—	—	—	2	35
Other Respiratory Disease.....	—	—	—	—	3	313	5	64	31	442	39	819
Constipation.....	—	—	5	45	11	204	24	157	39	236	79	642
Other Diseases of Digestive System.....	—	—	2	26	20	174	21	278	24	426	67	904
Diseases of Urinary System.....	1	29	—	—	6	162	7	127	11	135	25	453
Diseases of Breast.....	—	—	—	—	12	174	3	47	22	613	37	834
Complications of Pregnancy.....	—	—	—	—	122	1,127	—	—	—	—	122	1,127
Diseases of Skin.....	1	7	5	34	8	134	9	199	19	604	42	978
Diseases of Bones.....	—	—	2	16	1	14	17	1,322	50	2,573	70	3,925
Injuries.....	2	19	4	171	9	91	9	328	41	1,560	65	2,169
Senility.....	—	—	—	—	—	—	—	—	81	2,841	81	2,841
Other defined and ill-defined diseases Diseases not specified or not known (including diagnostic X-rays).....	1	5	—	—	3	71	8	437	5	70	17	583
	9	95	22	438	344	7,838	360	13,052	806	27,823	1,541	49,246

FURTHER ANALYSIS OF CASES ATTENDED BY HOME NURSES DURING 1964

DISEASE OR CONDITION	Sex		Type of Case		Referred by				Home Help Provided			Nursing Provided		Treatments								Disposal				Cases on Books at end of Year.			
	Male	Female	Medical	Surgical	General Practitioner	Hospital	Medical Officer of Health	Other Sources	Living Alone	Home Help Provided	Incontinent	Appliance Provided	Under 1 week	Over 1 year	Injections	Blanket Baths	Enemas	Dressings	Change of Pessaries	Washouts, Douches, Catheterisation etc.	General Nursing Care	Preparation for diagnostic investigations	Other	Convalescent	Hospital		Died	Other	
Tuberculosis	26	34	59	1	48	12	—	—	1	1	—	—	1	4	59	—	—	1	—	—	—	—	—	18	2	—	40	30	
Other Infectious Disease	2	2	4	—	4	—	—	—	—	—	—	—	1	2	2	—	2	—	—	—	—	—	—	1	—	—	3	2	
Parasitic Diseases	2	4	6	—	6	—	—	—	—	—	—	—	5	1	1	—	—	—	—	—	—	—	—	—	—	—	2	—	
Malignant & Lymphatic Neoplasm	24	43	62	5	58	7	1	1	6	6	19	27	10	4	5	3	1	21	—	—	—	—	—	11	11	29	16	11	
Asthma	2	5	7	—	7	—	—	—	—	—	—	—	—	6	6	—	—	—	—	—	—	—	—	3	—	—	4	4	
Diabetes mellitus	8	31	35	4	23	16	—	—	5	5	1	3	3	11	30	1	—	7	—	—	—	—	—	2	3	2	32	25	
Anæmias	31	188	219	—	208	10	—	1	28	28	4	4	11	88	219	—	—	—	—	—	—	—	—	44	12	5	158	131	
Vascular Lesions of C.N.S.	36	74	109	1	98	7	1	4	13	20	50	67	24	14	1	16	—	1	—	1	91	—	—	11	25	35	39	36	
Other mental and nervous disease	12	21	33	—	30	2	1	—	3	4	10	16	5	12	7	6	1	2	—	—	17	—	—	1	4	3	25	20	
Diseases of the Eye	1	2	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	2	1
Diseases of the Ear	1	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Heart and Artery Disease	69	106	171	4	170	4	1	—	21	21	19	25	21	34	128	5	1	5	—	—	36	—	—	22	19	35	99	78	
Disease of the Veins	3	27	28	2	23	4	2	1	9	9	2	2	3	13	30	—	—	2	—	—	—	—	—	—	2	4	—	24	20
Upper Respiratory Disease	1	1	2	—	1	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Respiratory Disease	17	22	37	2	35	2	2	—	3	7	10	13	11	2	12	3	—	—	—	—	24	—	—	10	8	7	14	4	
Constipation	28	51	79	—	75	4	—	—	5	4	2	2	55	3	1	1	77	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Digestive System	37	30	18	49	51	16	—	—	2	—	1	3	6	—	6	—	7	49	—	—	2	—	—	—	—	—	—	—	—
Diseases of Urinary System	11	14	15	10	23	2	—	—	2	—	2	2	5	1	13	—	1	8	—	—	1	—	—	1	1	1	16	2	
Diseases of Breast	1	36	19	18	33	4	—	—	11	10	1	1	2	7	7	2	—	21	8	—	—	—	—	—	—	—	—	—	—
Complications of Pregnancy	—	122	117	5	110	9	—	3	—	—	—	—	12	—	118	—	—	—	—	—	—	—	—	46	27	—	49	1	
Diseases of Skin	21	21	29	13	34	8	—	—	6	4	1	6	5	2	8	4	1	29	—	—	4	—	—	1	21	2	5	14	4
Diseases of Bones	14	56	67	3	62	4	2	2	11	21	6	27	1	21	10	22	—	8	—	—	36	1	1	8	11	9	42	25	
Injuries	21	44	23	42	52	7	2	4	9	6	5	12	5	7	7	11	—	29	—	—	1	25	—	2	24	10	1	30	10
Senility	18	63	81	—	76	3	1	1	11	15	30	35	7	21	2	31	1	4	—	—	48	—	—	1	5	10	20	46	23
Other defined & ill-defined diseases	8	9	12	5	13	4	—	—	2	1	1	2	2	3	6	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Disease not specified or not known (including diagnostic X-rays)	53	87	140	—	138	2	—	—	10	2	3	2	124	—	1	—	108	—	—	7	—	—	—	85	6	—	49	1	
	447	1094	1376	165	1383	128	13	17	159	169	167	251	319	250	680	109	200	202	8	16	328	5	12	452	177	160	752	450	

THE BUREAU OF WEATHER AND CLIMATE

Year	Disposal		Inventory		Total
	Value	Quantity	Value	Quantity	
1901
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VACCINATION & IMMUNISATION

SMALLPOX VACCINATION

Vaccination of infants against smallpox is carried out at the infant welfare centres and by general practitioners. Despite the constant reminders given to parents by the health visitors of the need for vaccination the number of children vaccinated remains small in relation to the total number of births.

SMALLPOX VACCINATION

Vaccination	Under 1	1-2	2-4	5-14	15 or over	Total
1960	538	20	20	20	28	626
1961	617	18	23	10	29	697
1962	691	76	168	295	463	1,693
1963	117	22	22	40	28	229
1964	85	218	69	8	22	402
Re-Vaccination	Under 1	1-2	2-4	5-14	15 or over	Total
1960	—	—	1	7	71	79
1961	—	—	5	13	87	105
1962	—	—	35	173	1,085	1,293
1963	1	—	5	12	76	94
1964	—	2	5	7	66	80

DIPHTHERIA IMMUNISATION

Protection against diphtheria is freely available to all children at the local authority clinics and from family doctors. As at the 31st December, 1964 66% of all children under 5 years of age had received immunisation against diphtheria.

Year of Injection	PRIMARY				REINFORCING			
	Age Groups of Children at time of Injection							
	Under 1	1-4	5-14	Total	Under 1	1-4	5-14	Total
1960....	610	263	333	1,206	—	103	728	834
1961....	239	895	74	1,208	—	46	489	535
1962....	175	356	233	764	—	46	96	142
1963....	414	1468	810	2,692	—	61	443	504
1964....	399	725	302	1,426	3	406	537	946

POLIOMYELITIS IMMUNISATION

The high rate of immunisation achieved during 1962/63 has been maintained during the year under review.

A more detailed survey of the work is given in the tables which follow :

Year	Vaccination					Total
	Under 1	1-2	2-4	5-14	15 or over	
1960	538	20	20	20	28	606
1961	617	18	20	19	29	693
1962	661	78	108	252	451	1,560
1963	117	22	7	40	28	214
1964	85	208	69	8	22	492
Year	Re-Vaccination					Total
	Under 1	1-2	2-4	5-14	15 or over	
1960	—	—	1	7	71	79
1961	—	—	2	73	73	102
1962	—	—	22	173	1,066	1,261
1963	1	—	2	13	76	82
1964	—	2	4	7	64	77

DIPHTHERIA IMMUNISATION

Protection against diphtheria is now available to all children at the local authority clinic and from family doctors. As at the 31st December 1964 98% of all children under 5 years of age had received immunisation against diphtheria.

Year of Immunisation	Age Group at time of injection					Total
	1	1-4	5-14	Total	15 or over	
1960	610	263	537	1,410	102	1,512
1961	529	282	731	1,542	48	1,590
1962	172	208	761	1,141	26	1,167
1963	414	1,028	610	2,052	61	2,113
1964	286	727	542	1,555	48	1,603

POLIOMYELITIS VACCINATION
SALK VACCINE

Vaccinated By	2nd INJECTIONS																	Totals
	YEAR OF BIRTH																	
	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	Others	
Local Authority Staff . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Practitioners . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1964	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1962	8	18	9	16	23	18	20	39	29	29	66	102	223	—	—	—	—	234
Total 1961	54	127	171	211	221	250	263	216	143	209	344	622	101	—	—	—	—	1,740
Total 1960	17	15	18	25	47	55	81	67	94	153	482	52	—	—	—	—	—	1,820
Total 1959	113	191	110	126	232	252	268	271	353	490	73	—	—	—	—	—	—	7,599

Vaccinated By	3rd INJECTIONS																	Totals
	YEAR OF BIRTH																	
	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	Others	
Local Authority Staff . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Practitioners . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1964	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1962	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 1961	7	23	18	26	31	28	31	40	63	69	132	307	48	—	—	—	—	931
Total 1960	46	66	88	75	124	121	132	117	116	198	441	151	8	—	—	—	—	1,138

SABIN VACCINE

Vaccinated By	FULL COURSE OF THREE DOSES																	Totals
	YEAR OF BIRTH																	
	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	Others	
Local Authority Staff...	—	1	—	—	—	2	—	1	7	234	38	72	65	156	592	161	68	1,397
General Practitioners...	—	—	1	1	1	2	1	—	1	7	6	76	16	65	124	18	47	366
Total 1964.....	—	1	1	1	1	4	1	1	8	241	44	148	81	221	716	179	115	1,763
Total 1963.....	5	1	6	10	6	4	5	9	194	40	55	87	201	493	147	—	195	1,458

Vaccinated By	4th DOSE																	Totals
	YEAR OF BIRTH																	
	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	Others	
Local Authority Staff...	—	—	—	2	—	—	—	1	4	540	83	10	20	15	7	—	20	702
General Practitioners...	—	—	—	—	—	1	1	1	3	12	21	4	5	9	2	—	12	71
Total 1964.....	—	—	—	2	—	1	1	2	7	552	104	14	25	24	9	—	32	773
Total 1963.....	—	2	1	2	5	2	2	6	307	57	56	35	31	7	4	—	103	620

AMBULANCE SERVICE

STAFF.

The authority employs the following staff in connection with the provision of ambulance services :—

Ambulance Officer	—	1
Senior Driver	—	1
Male Driver/Attendants	—	16
Female Driver/Attendants	—	4

VEHICLES.

The vehicles in use at the 31st December 1964 are detailed below :

<i>Reg. No.</i>	<i>Date of First Reg.</i>	<i>Make</i>	<i>Rating</i>	<i>Description</i>
EEF 62	1.3.57	Morris Diesel	3.4 litre	2-berth Ambulance
LEF 343	17.7.61	Morris Diesel	2.2 litre	Dual Purpose Vehicle
MEF 295	26.4.62	Morris Diesel	2.2 litre	Dual Purpose Vehicle
NEF 118	19.12.62	Morris Diesel	2.2 litre	Dual Purpose Vehicle
NEF 810	16.5.63	Morris Diesel	2.2 litre	Dual Purpose Vehicle
PEF 906	1.6.64	Morris Diesel	2.2 litre	Dual Purpose Vehicle

All vehicles are equipped with a Pye V.H.F. Radio Telephone System.

CASES AND MILEAGE 1959/64.

Year	Within the Borough		Outside the Borough		Totals	
	Cases	Mileage	Cases	Mileage	Cases	Mileage
1959	23,587	61,207	1,808	33,816	25,395	95,019
1960	24,153	65,405	1,747	32,610	25,900	95,015
1961	25,360	70,474	1,708	34,336	27,068	104,810
1962	26,222	68,897	2,923	42,538	28,645	111,435
1963	32,135	74,015	3,154	43,050	35,289	117,065
1964	35,897	86,661	3,166	44,452	39,063	129,113

SUMMARY OF WORK

The total number of patients dealt with by the Ambulance Service during the year was 39,063 an increase of 3,774 on the figures for the preceding year. The increase involved an additional mileage of 11,848 miles. The average mileage per case was 3.3.

Cases transported within the County Borough increased by 3,762 and the mileage increased by 12,646 miles.

Cases outside the County Borough increased by 12 compared with the previous year and the mileage increased by 1,402 miles.

VEHICLES

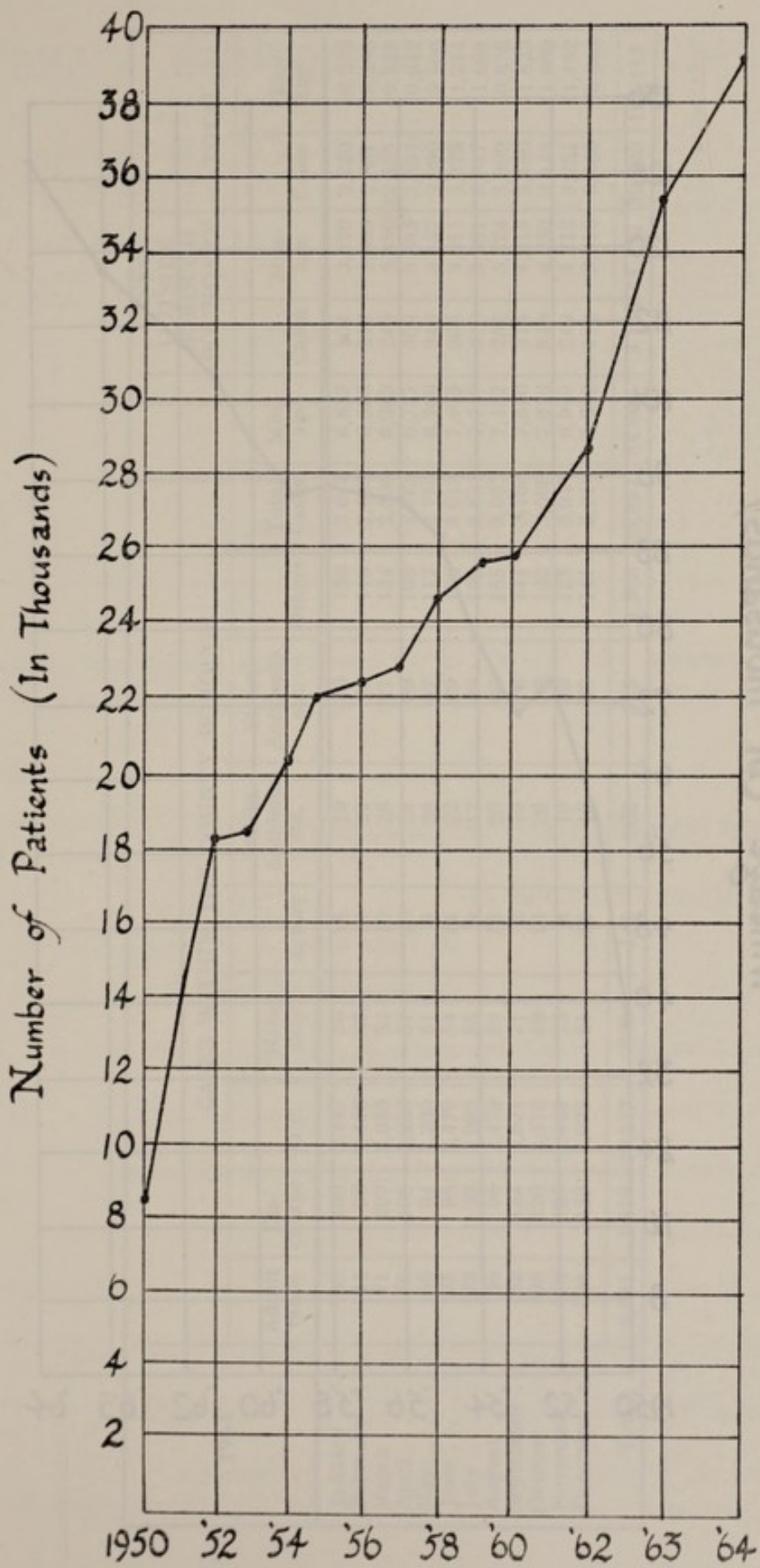
The vehicles in use at the 31st December 1964 are detailed below:

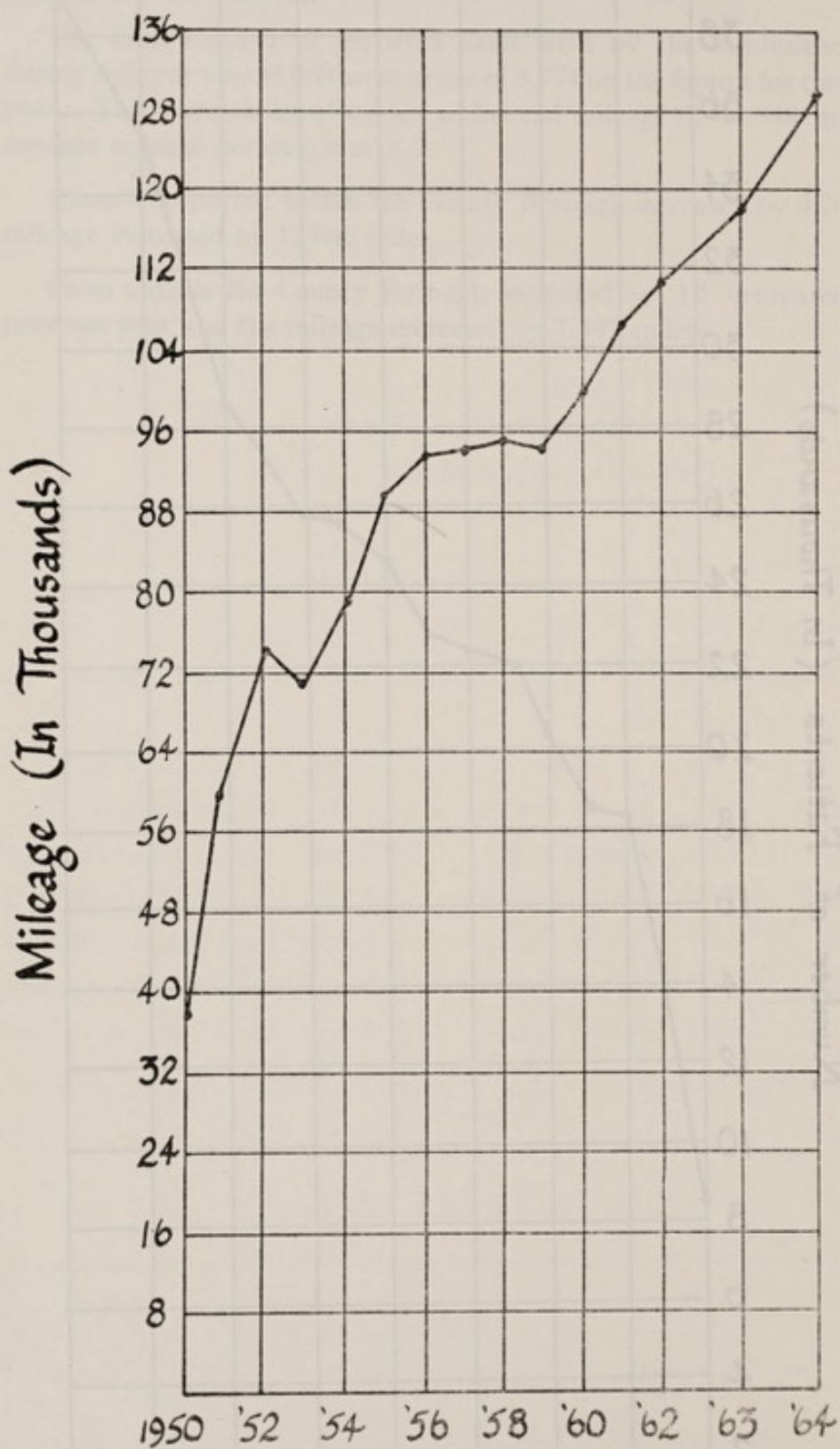
Ref. No.	Date of Purchase	Make	Category	Description
PEP 208	1.8.64	Morris Diesel	2.2 litre	Dual Purpose Vehicle
NEP 810	18.8.63	Morris Diesel	2.2 litre	Dual Purpose Vehicle
NET 118	19.12.62	Morris Diesel	2.2 litre	Dual Purpose Vehicle
MEP 285	26.4.63	Morris Diesel	2.2 litre	Dual Purpose Vehicle
LEP 303	17.7.61	Morris Diesel	2.2 litre	Dual Purpose Vehicle
EEP 62	1.3.57	Morris Diesel	2.4 litre	2-seat Ambulance

All vehicles are equipped with a P.V.E. Radio Telephone System.

CASES AND MILEAGE 1959-64

Year	Within the Borough		Outside the Borough		Totals	
	Cases	Mileage	Cases	Mileage	Cases	Mileage
1959	27,567	81,307	1,568	37,810	29,135	119,117
1960	24,152	62,408	1,747	32,810	25,899	88,217
1961	25,860	70,474	1,728	34,536	27,588	102,010
1962	26,222	66,807	2,200	42,824	28,422	95,229
1963	27,128	74,018	2,124	47,650	29,252	103,670
1964	27,807	84,061	2,188	44,482	30,005	128,543





1964	CASES WITHIN THE COUNTY BOROUGH											CASES OUTSIDE BOROUGH BOUNDARY			TOTAL	
	Admit- tance	Dis- charge	O.P.	Mat- er- nity	X-Ray	Works Accidents etc.	Street Accidents etc.	Others	Total Cases	Mile- age	Cases	Mile- age	Cases	Mile- age	Cases	
January	185	100	2,447	56	14	19	56	139	3,016	6,833	204	3,420	3,220	10,253	3,220	
February	144	98	2,159	61	14	22	28	119	2,645	6,385	216	2,853	2,861	9,238	2,861	
March	171	107	2,085	54	16	28	21	124	2,596	6,203	249	3,350	2,855	9,553	2,855	
April	176	108	2,253	57	20	24	39	108	2,785	6,757	309	3,885	3,094	10,642	3,094	
May	165	94	2,230	51	8	28	57	117	2,750	6,769	240	3,137	2,990	9,906	2,990	
June	185	95	2,479	54	14	22	49	120	3,018	7,403	305	3,811	3,323	11,214	3,323	
July	173	95	2,995	55	8	17	49	139	3,531	7,717	316	3,981	3,847	11,698	3,847	
August	156	98	2,479	58	15	20	66	165	3,057	7,152	252	3,724	3,309	10,876	3,309	
September	152	134	2,571	71	2	19	76	141	3,166	7,510	314	4,313	3,480	11,823	3,480	
October	195	126	2,516	49	13	29	38	130	3,096	7,610	349	4,250	3,445	11,860	3,445	
November	175	125	2,440	73	8	19	46	125	3,011	6,940	240	4,212	3,251	11,152	3,251	
December	204	139	2,623	51	13	15	30	141	3,216	7,382	172	3,516	3,388	10,898	3,388	
Total	2,081	1,319	29,277	690	145	262	555	1,568	35,897	84,661	3,166	44,452	39,063	129,113	39,063	

**PREVENTION OF ILLNESS, CARE
AND AFTER CARE
TUBERCULOSIS**

**Report on the work of the Chest Clinic
by Dr. J. B. Robinson.**

In common with the rest of the country, the incidence of pulmonary tuberculosis is falling and at present is not a serious problem.

No. of tuberculosis cases on register, 1st January.....	364
No. of new notifications: —	
(a) respiratory	18
(b) non-respiratory	—
No. of transfers from other clinics.....	5
No. of transfers out.....	5
No. of cases written off during the year as dead (all causes)...	6
No. of cases written off as recovered.....	23
No. of cases on register, 31st December, 1964.....	353
Total No. of visits paid by visitors to tuberculosis households	420
No. of "no access" visits.....	112
Total no. of attendances by whole-time tuberculosis visitors at chest clinic.....	92

TUBERCULOSIS

Deaths and Death Rates 1955-64.

Year	NO. OF DEATHS			DEATH RATES (per 1,000 Population)		
	Respiratory	Non-Respiratory	All Forms	Respiratory	Non-Respiratory	All Forms
1955	13	3	16	0.18	0.04	0.22
1956	13	—	13	0.18	0.00	0.18
1957	14	1	15	0.19	0.01	0.20
1958	11	1	12	0.15	0.01	0.16
1959	11	1	12	0.15	0.01	0.16
1960	8	2	10	0.10	0.03	0.13
1961	4	—	4	0.05	—	0.05
1962	7	—	7	0.09	—	0.09
1963	4	1	5	0.05	0.01	0.06
1964	5	—	5	0.06	—	0.06

B.C.G. VACCINATION.

(a) CONTACTS SCHEME.

The work under this scheme is undertaken by the Consultant Chest Physician and the number of persons dealt with during 1964 was :—

(i) No. skin-tested ..	58
(ii) No. found positive	36
(iii) No. found negative	22
(iv) No. vaccinated ..	84

(b) SCHOOLCHILDREN.

The scheme for vaccination against tuberculosis of schoolchildren from 11 years of age upwards was continued during 1964 and 66.4% of the children to whom testing was offered accepted and of these 92.5% were tested.

Further details are given in the following table :—

TUBERCULIN TESTING
AND B.C.G. VACCINATION—1964.

	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
No. to whom Testing was offered.....	780	761	1,541
Refused	266	252	518
Accepted	514	509	1,023
Absent and therefore not tested.....	52	24	76
TESTED.....	462	485	947
Absent and therefore not read.....	7	15	22
READ.....	455	470	925
Tuberculin POSITIVE.....	56	65	121
Tuberculin Negative and VACCINATED....	399	405	804

MEDICAL EXAMINATIONS

The under-mentioned medical examinations were carried out during the year by the medical staff of the local authority :—

Examinations for employment and superannuation	285
Ministry of Education examinations—	
Form 28 R.Q.	25
,, 4 R.T.C.	64
Examinations on behalf of other local authorities...	8
Medical examination of employees following prolonged absence due to sickness	27
Examinations for admission to Outward Bound Schools.....	8
	<hr/>
	417

CREMATIONS

The Parks and Cemeteries Superintendent who is responsible for the administration of the Crematorium has kindly supplied the following details relating to the work of the Crematorium during the year.

NUMBER OF CREMATIONS.

Total number of Cremations since the opening of Crematorium to 31st December, 1963	5,608
Total number of Cremations for the year 1963.....	547
Total number of Cremations for the year to 31st December, 1964	573
Total number of Cremations since the opening of Crematorium to 31st December, 1964	6,181

DISPOSITION OF REMAINS FOR THE YEAR 1964.

Scattered or buried in Grounds	540
Placed, or to be placed, in Graves.....	33

HEALTH EDUCATION

The field of Public Health which has been the mainstay for Health Education over the past few years was severely curtailed in the latter part of the year through staff changes. Earlier it had been possible for the first time to visit some schools for lectures and film shows on Food Hygiene.

A special effort was made during August when an exhibition and film show was held at the Ward Jackson Park in connection with the Annual Show. Over 6,000 people saw the exhibits, the main theme of which was "Toys for the Younger Children". In addition "Smoke Control", "Hygiene", "Clean Food" and "Aids for the Disabled" were staged as supporting exhibits.

The following is a summary of cases covered during 1964 :-

No. of Cases	Type of Case	1964		1963	
		Jan to Dec	Total	Jan to Dec	Total
100	Acute	100	100	100	100
100	Chronic	100	100	100	100
100	Sub-acute	100	100	100	100
100	Recurrent	100	100	100	100
100	Latent	100	100	100	100
100	Asymptomatic	100	100	100	100
100	Carrier	100	100	100	100
100	Convalescent	100	100	100	100
100	Recovered	100	100	100	100
100	Deceased	100	100	100	100
100	Admitted to Hospital	100	100	100	100
100	Discharged from Hospital	100	100	100	100
100	Admitted to Home	100	100	100	100
100	Discharged from Home	100	100	100	100
100	Admitted to Sanatorium	100	100	100	100
100	Discharged from Sanatorium	100	100	100	100
100	Admitted to Convalescent Home	100	100	100	100
100	Discharged from Convalescent Home	100	100	100	100
100	Admitted to Nursing Home	100	100	100	100
100	Discharged from Nursing Home	100	100	100	100
100	Admitted to Residential Home	100	100	100	100
100	Discharged from Residential Home	100	100	100	100
100	Admitted to Hospital (Total)	100	100	100	100
100	Discharged from Hospital (Total)	100	100	100	100
100	Admitted to Home (Total)	100	100	100	100
100	Discharged from Home (Total)	100	100	100	100
100	Admitted to Sanatorium (Total)	100	100	100	100
100	Discharged from Sanatorium (Total)	100	100	100	100
100	Admitted to Convalescent Home (Total)	100	100	100	100
100	Discharged from Convalescent Home (Total)	100	100	100	100
100	Admitted to Nursing Home (Total)	100	100	100	100
100	Discharged from Nursing Home (Total)	100	100	100	100
100	Admitted to Residential Home (Total)	100	100	100	100
100	Discharged from Residential Home (Total)	100	100	100	100
100	Admitted to Hospital (Total) - 1964	100	100	100	100
100	Discharged from Hospital (Total) - 1964	100	100	100	100
100	Admitted to Home (Total) - 1964	100	100	100	100
100	Discharged from Home (Total) - 1964	100	100	100	100
100	Admitted to Sanatorium (Total) - 1964	100	100	100	100
100	Discharged from Sanatorium (Total) - 1964	100	100	100	100
100	Admitted to Convalescent Home (Total) - 1964	100	100	100	100
100	Discharged from Convalescent Home (Total) - 1964	100	100	100	100
100	Admitted to Nursing Home (Total) - 1964	100	100	100	100
100	Discharged from Nursing Home (Total) - 1964	100	100	100	100
100	Admitted to Residential Home (Total) - 1964	100	100	100	100
100	Discharged from Residential Home (Total) - 1964	100	100	100	100
100	Admitted to Hospital (Total) - 1963	100	100	100	100
100	Discharged from Hospital (Total) - 1963	100	100	100	100
100	Admitted to Home (Total) - 1963	100	100	100	100
100	Discharged from Home (Total) - 1963	100	100	100	100
100	Admitted to Sanatorium (Total) - 1963	100	100	100	100
100	Discharged from Sanatorium (Total) - 1963	100	100	100	100
100	Admitted to Convalescent Home (Total) - 1963	100	100	100	100
100	Discharged from Convalescent Home (Total) - 1963	100	100	100	100
100	Admitted to Nursing Home (Total) - 1963	100	100	100	100
100	Discharged from Nursing Home (Total) - 1963	100	100	100	100
100	Admitted to Residential Home (Total) - 1963	100	100	100	100
100	Discharged from Residential Home (Total) - 1963	100	100	100	100

WELFARE VISITING SERVICE FOR THE ELDERLY

Regular visiting of elderly persons by the Council's four part-time (S.R.N.) Geriatric Visitors was maintained during 1964.

Additions to the records were made during the year as under :—

Aged men living alone	24
Aged women living alone	103
Aged men living with relatives, etc. ..	22
Aged women living with relatives, etc. ..	70
Aged couples	122

The following is a summary of cases covered during 1964 :—

	<i>Living Alone</i>		<i>Living with Relatives</i>		<i>Aged Couples</i>	<i>No. of Record Cards</i>
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>		
No. on registers at December, 31st, 1963	186	735	139	423	475	2,433
New cases during 1964 ..	24	103	22	70	122	463
Removals from registers during year because of :	210	838	161	493	597	2,896
Deaths/or transfers ..	28	72	24	46	67	304
Permanent admission to :						
Hospital	3	4	—	6	1	15
Aged Persons' Hostel ..	11	10	2	7	1	32
Aged Persons' Flatlet ..	—	15	—	12	—	27
Removals from area	6	16	1	7	4	38
	162	721	134	415	524	2,480
Transfers between registers* ..	21	35	3	13	1	74
No. on registers at December, 31st, 1964	183	756	137	428	525	2,554

The Age groups of those visited were as under :

Age Groups	Living Alone		With Relatives friends, etc.		Couples		Total
	M	F	M	F	M	F	
Under 60	—	1	—	—	3	13	17
60—64	—	16	—	5	12	76	109
65—70	32	158	33	86	160	164	633
71—80	101	406	67	205	281	230	1,290
81—90	47	169	33	122	68	41	480
91—100	3	6	3	10	1	1	24
Over 100	—	—	1	—	—	—	1
	183	756	137	428	525	525	2,554
	939		565		1,050		

The periodical visiting of cases was as under :

	<i>Living Alone</i>		<i>Living with Relatives</i>		<i>Aged Couples</i>	<i>Total</i>
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>		
Weekly or less ..	7	13	—	4	1	25
Fortnightly	6	21	1	9	1	38
Monthly	56	180	15	59	84	394
Two-monthly	21	31	17	5	20	94
Quarterly	64	316	54	142	190	766
Half-yearly	22	159	37	134	145	497
Yearly	7	36	13	75	84	215
	183	756	137	428	525	2,029

The following is a summary of the physical and other circumstances of the cases visited :

- (a) Substantially physically handicapped so as to make them housebound
- (b) Handicapped by :
- Partial vision
- Blindness
- Deafness (slight)
- ,, (severe)

241

58

52

150

60

(c) Mental confusion :

To such a degree as to cause anxiety and necessitate constant attention	22
Slight	48
(d) Suffering from general ill-health.....	688
(e) Poor mobility but nevertheless able to get out and about from time to time.....	352
(f) Requiring visiting because of loneliness due to old age.....	413
(g) Where general conditions appear satisfactory in all respects.	470

During the year visits were made to aged persons by Health Visitors, Welfare Officers, and Geriatric Visitors, as under :—

	Visits	Ineffective Visits	Total
Geriatric Visitors	9,070	1,459	10,529
Welfare Officers	289	37	326
Health Visitors	786	112	898
	<hr/>	<hr/>	<hr/>
	10,145	1,608	11,753
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

The persons living alone and aged couples occupied houses with bedroom accommodation as under :—

	Living Alone		Aged Couples	Total
	M	F		
Council Houses				
1 Bedroom	31	183	146	360
2 Bedrooms	10	32	42*	84
3 „	3	32	41*	76
4 „	1	—	2*	3
5 „	—	—	1*	1
Private Houses				
1 Bedroom	11	33	14	58
2 Bedrooms	83	299	151*	533
3 „	43	159	118*	320
4 „	1	16	9*	26
6 „	—	1	1*	2
7 „	—	1	—	1
	<hr/>	<hr/>	<hr/>	<hr/>
	183	756	525	1,464

* 35 Aged couples had relatives living with them as under :—

In 2 Bedroom houses	..	13
In 3 " "	..	17
In 4 " "	..	3
In 5 " "	..	1
In 6 " "	..	1

The attention of the under-mentioned officers and organisations was drawn to particular circumstances of cases during the year :

Consultant Geriatrician	40
General Medical Practitioners.....	19
National Assistance Board	21
Blind Welfare Officer.....	4
Deaf & Dumb Missioner	18
W.V.S. Meals on Wheels	149
Chief Public Health Inspector	28
Housing Officer.....	19
Home Help Organiser	35
Home Nurses.....	12
Mental Welfare Officers.....	5
Chiropody Clinic	—

Regular weekly meetings continued to be held throughout the year between Dr. W. A. Nicholson, Consultant Geriatrician at the General Hospital, West Hartlepool, the Geriatric Visitors, the Home Teacher for the Blind and the Lay Administrative Officer to exchange information on old people in the community considered to need hospital care, and the prospective community needs of old people about to be discharged from Hospital.

HOME HELP SERVICE.

During 1964 233 new cases were provided with Home Help (135 of these being persons over 65 years of age) and 159 cases ceased to have Home Help, leaving a net increase of 74 at the 31st December, 1964.

Home Help assistance was provided for 725 cases during the year as compared with 651 during, 1963, viz :—

	1964	1963
Maternity	21	20
Tuberculosis	3	2
Chronic Sick	20	14
Aged and Infirm	565	546
Others	115	69
	<hr/>	<hr/>
	725	651
	<hr/> <hr/>	<hr/> <hr/>

The majority of persons receiving help are aged and infirm, and these cases received help varying from one half-day to five-half days per week, depending on the family circumstances and physical condition of the recipients.

The Council's establishment was 60 full-time Helps; the equivalent of 2,520 Home Help hours per week. In view of the large number of persons being provided with one or two half days per week however, it was found that this could more easily be organised by the employment of part-time Helps, consequently the number of Home Helps employed at the 31st December, 1964, totalled 92, 3 of whom were employed full-time and 89 employed part-time varying from 20 to 40 hours per week. Even under this arrangement Home Helps on occasions had to attend to four or five Homes each week.

Absences of Home Helps owing to illness during 1964 were a little higher than in the previous year.

Liaison between Dr. Nicholson, Consultant Geriatrician at the General Hospital, West Hartlepool and the Department regarding prospective Hospital admissions and discharges was maintained during the year.

4,876 visits were made by the Organiser to Home Help cases as compared with 5432 last year.

Children Neglected or Ill-treated in their Own Homes

During 1964 five meetings of the Co-ordinating Committee were held and the constitution of the Committee, which has now been meeting for seven years, remains the same, with the Medical Officer of Health as Chairman.

(i) NO. OF FAMILIES.

At the 1st January, 1964 the circumstances of 13 families were under consideration by the Committee and during the year the circumstances of two families were brought before the Committee, one new case and one old case.

(ii) FAMILY SIZE.

The following table indicates the sizes of the families under consideration during the year :—

<i>No. of Children in Family</i>	<i>No. of Families</i>	<i>Total No. of Children</i>
1	1	1
2	3	6
4	3	12
5	2	10
6	1	6
7	2	14
9	3	27
	—	—
	15	94
	—	—

(iii) FACTORS ASSOCIATED WITH FAMILY PROBLEMS.

1. Absence of parent, through death, separation, divorce or imprisonment.....	5
2. Mental ill-health or mental subnormality	4
3. Personality failure.....	2
4. Housing (overcrowding, eviction or threat of eviction)..	9
	—
	20
	—

(iv) HOW DEALT WITH.

During the year consideration of the cases of two families was discontinued because of a substantial improvement in their home circumstances.

At the 31st December, 1964, the circumstances of 13 families (10 of whom are tenants of Council Houses) were under consideration.

MENTAL HEALTH SERVICE

1. ADMINISTRATION.

(a) The Mental Health Service is directed by the Health Committee which consists of eleven elected representatives and two co-opted members nominated by the West Hartlepool Local Medical Committee.

(b) There is also a Mental Health Sub-committee of the Health Committee and this Committee meets from time to time to deal with domestic matters which arise between meetings of the full Committee. Their reports are subject to confirmation by the Health Committee.

(c) The staff engaged on this service is as follows :—

- The Medical Officer of Health
- The Deputy Medical Officer of Health
- Two Assistant Medical Officers of Health
- The Lay Administrative Officer
- The Deputy Lay Administrative Officer (who is also the Senior Mental Welfare Officer)
- Two Mental Welfare Officers
- One Part-time Social Worker
- The Supervisor, three Assistants and one Trainee Assistant Supervisor at the Junior Training Centre.
- The Supervisor, Two Assistant Supervisors, Two Part-time Assistant Supervisors and one Craft Instructor at the Adult Training Centre.
- The Superintendent and one Assistant at "The Firs" Hostel.

(d) THE MENTAL HEALTH (APPROVAL OF MEDICAL PRACTITIONERS.)

REGULATIONS 1960.

The following Doctors are approved for the purpose of giving Medical Certificates for the compulsory admission of Mentally Disordered Persons to Hospital or reception into Guardianship under Part IV of the Mental Health Act, 1959 :—

- The Medical Officer of Health
- The Deputy Medical Officer of Health
- The Assistant Medical Officer of Health
- Dr. W. Dunn
- Dr. M. M. Lidgate
- Dr. C. K. Sutcliffe
- Dr. R. G. Russell
- Dr. J. Rutter
- Dr. N. D. M. Goodall
- Dr. J. R. Hawkings
- Dr. J. A. Bewick
- Dr. M. A. Campbell
- Dr. H. C. Renney
- Dr. J. T. Smith

(e) STAFF

In July, Mr. D. J. Heywood was appointed Senior Social Welfare Officer to deal with handicapped persons under the Council's National Assistance Act Programme. This caused a reduction in the staff of the Mental Health Section because Mr. Heywood had previously devoted approximately 60% of his time to Mental Health Work. The Council has however, in its Ten Year Development Plan authorised the appointment of a full-time Mental Welfare Officer as from September, 1965. This further appointment should strengthen the Mental Health Section.

(f) HOSPITAL ADMISSIONS

The number of compulsory admissions to Hospital (including Aycliffe Hospital, The General Hospital, West Hartlepool, Winterton Hospital, Sedgfield, Cherry Knowle Hospital, Ryhope and the Retreat, York) increased by 24 on the previous year's total to 138 an increase of 21%. In 1962 the figure was 90.

(g) MENTAL AFTER-CARE SERVICE — COMMUNITY CARE

A number of patients selected by the Consultant Psychiatrists for visiting in their own homes are visited regularly by the Council's Mental Welfare Officers and Part-time Social Worker who submit to the Consultant Psychiatrists written reports following each visit. Whenever the patient's mental condition appears to the Mental Welfare Officer or Social Worker to be deteriorating an immediate out-patient appointment or admission to hospital is arranged with the Consultant Psychiatrist. At the end of the year 156 patients were being regularly visited by the Mental Health staff.

(h) Case Histories continue to be taken in respect of all new out-patient appointments and are also taken for all new admissions to the General Hospital Psychiatric Wards. The Council's Mental Welfare Officers obtain the out-patient case histories by visiting the patients in their own homes shortly before they are interviewed by the Consultant Psychiatrists. Case histories of patients already admitted to the Psychiatric Wards are obtained by the Social Worker. Out-patient Clinics are now held daily at the Psychiatric Clinic at the General Hospital where the staff of Psychiatrists has increased from two to five. This means that patients no longer have to wait so long for out-patient appointments and as a result of this requests for Social Histories are received at very short notice by the Mental Welfare Officers. 129 Case Histories were taken during 1964.

(i) SURVEY OF ATTEMPTED SUICIDES

At the request of Dr. M. M. Lidgate, Consultant Psychiatrist at the General Hospital one of the Council's Mental Welfare Officers was assigned to assist in a Survey of Attempted Suicide Cases which had been admitted to

the General Hospital Wards. Comprehensive information regarding family history, environment and social conditions was obtained in respect of as many relatives as possible in each case and altogether 159 visits were made to the homes of patients and their relatives to obtain very full social histories. In addition 16 relatives were interviewed in the Health Department. The Survey covered all admissions to hospital of attempted suicides during 1964.

2. "THE FIRS", WESTBOURNE ROAD

(a) RESIDENTS

4 men were in residence at the Firs at the end of the year. A number of possible candidates selected by Psychiatrists at Winterton Hospital were interviewed by the Council's Mental Welfare Officers but only one was considered suitable for admission. Arrangements were made for him to return to his former employment and he settled well in the Hostel.

(b) OCCUPATIONAL THERAPY

Work on stick bundling at the Hartlepoons Workshops for the Blind lasted until the end of April. During the summer unemployed residents assisted in the grounds of the Hostel. The Parks Superintendent supplied flower and vegetable seeds and these were planted and tended by the residents. For those residents and day patients who had not been able to obtain employment it was decided to send them to the new Adult Training Centre for an experimental period to see how they settled in with the Subnormal Trainees for whom the Centre had been built. On the whole they settled in remarkably well. Some of the men were engaged on the car washing and cleaning scheme. One man helped on window cleaning at the Centre and one man resumed his hobby of drawing and painting. The Superintendent and assistant from The Firs accompanied the men to the Centre where they spent the whole day, having their mid-day meal with the other staff and Trainees.

(c) PSYCHIATRIC SOCIAL CLUB

This club continues to thrive. Attendances have been larger than ever this year which is an indication in itself of the success of the Club. All members take an active part and the Council's Mental Health staff who attend every meeting (Tuesdays and Fridays) do so only in an advisory capacity. Members however frequently wish to discuss their problems in private with the Mental Welfare Officer on duty. Members of the Toc H Ladies Groups in the town regularly attend the Club in a voluntary capacity and their willingness to help and participate in the Club's activities is greatly appreciated. On two occasions during the year these ladies arranged a party for the Club members in Sandringham Road Church Centre. Games were organised by the Mental Welfare Officers and all catering and prizes were provided by the Toc H Ladies. We are greatly indebted to them and especially to their Secretary Mrs. C. Knights who kindly arranges the attendance rota to ensure that two ladies attend the Club every Friday evening.

The usual bus outing was held and organised by the Club's own Committee and their Annual Dinner held in the Masonic Hall to commemorate the opening of the Club in 1962 was also successfully and efficiently organised by their keen and enthusiastic Committee and members.

They are a very loyal group, always remembering to send cards to members on their birthdays ; they visit their sick and less fortunate members in their homes or in hospitals, they take little gifts to them and send "Get Well" cards.

In appreciation of the services of the Mental Welfare Officers The Firs Social Club Committee and members sent invitation cards for their Annual Dinner to the Mental Welfare Officers and their wives who were feted as guests of honour for the evening. This kind and generous gesture is deeply appreciated by all concerned.

3 SUBNORMAL PERSONS IN THE COMMUNITY

(a) TRAINING CENTRES

The climax to a year of anticipation was reached on 5th October when Trainees from both the female and male adult centres entered their brand new purpose built premises in Lynn Street for the first time. The Council's Health Committee had thus reached yet another milestone of achievement. The building will accommodate 70 Trainees. The trainees enjoyed their bright new surroundings in the Craft Room and some of the men looked in amazement at the machinery in the Metalwork Room. Others were soon trying their hand at the benches in the woodwork room. All settled in quickly and very much enjoyed their mid-day meals which were cooked in the Centre's well equipped kitchen. The highlight came on 11th November when the Chairman of the Council's Health Committee, Alderman Mrs. W. Breward, J.P. performed the official opening ceremony in front of many distinguished guests who had been invited to attend. The completion of the Adult Training Centre and the transfer of the Adult Female Trainees from Brenda Road enabled the Junior Training Centre to have more space. A sandpit and paddling pool kindly given by the members of The Round Table added to the pleasures of the children attending the Junior Training Centre and were greatly appreciated.

(b) SUBNORMALS LIVING AT HOME

During the year 1,375 visits were made by the Mental Welfare Officers and 176 patients and relatives were seen at the Health Department.

(c) ASCERTAINMENT OF CASES REPORTED DURING THE YEAR

12 cases were reported during the year 4 males and 5 females by the Local Education Authority and 1 male and 2 females by other Sources.

All the above were placed in the care of the local health authority. There are now 167 males and 144 females on the Council's Registers.

(d) TEMPORARY HOSPITAL ACCOMMODATION

4 females were admitted to Aycliffe Hospital during the year for a temporary period in accordance with the provisions of Ministry of Health Circular 5/52.

(e) PLACE OF SAFETY

There were no cases admitted to a "Place of Safety" during the year.

(f) GUARDIANSHIP

There were no subnormal persons under guardianship during 1964.

(g) REGISTERS

At the 31st December, 1964, the names of 311 subnormal persons were on the Council's register, viz :—

(1) In Hospital — 109

<i>Hospital</i>	<i>Males</i>	<i>Females</i>	<i>Total</i>
Prudhoe and Monkton	40	10	50
Rampton	3	1	4
Aycliffe	11	9	20
Harton, South Shields	4	—	4
Northgate, Morpeth	2	—	2
Silverton House, Rothbury	—	1	1
General, West Hartlepool	—	27	27
Durran Hill, Carlisle	—	1	1
TOTALS . . .	60	49	109

(2) Others — 202

	<i>Males</i>	<i>Females</i>	<i>Total</i>
In Special Schools	1	2	3
In Prison	2	—	2
Under Supervision	104	92	196
On Short-term Care	—	1	1
TOTALS	107	95	202

(h) PATIENTS AWAITING ADMISSION TO HOSPITALS

The list of patients awaiting admission to hospital was smaller than it has ever been. This is very largely due to the co-operation of Dr. W. Dunn, the Senior Consultant Psychiatrist at Aycliffe Hospital. Dr. Dunn has paid many visits to West Hartlepool to see patients who were considered to be in need of hospital treatment. Not only did Dr. Dunn agree that they required treatment he also went to a great deal of trouble to find accommodation for the patients. We are all well aware of the difficulties in obtaining hospital beds for subnormal patients who are usually long stay cases. It has therefore been very heartening to us that Dr. Dunn has made such efforts to accommodate our most needy cases.

(i) CASE CONFERENCES

Since September a weekly Case Conference has been held at Aycliffe Hospital to which the Council's Mental Welfare Officers were invited. These have proved invaluable to the staff not only from an educational point of view but they have afforded the staff the opportunity to meet Mental Welfare Officers from other Local Authorities and to pool their ideas and thoughts. Dr. Dunn has personally conducted each Case Conference and has invited questions which have provoked discussion and thus have been of great benefit to everybody attending. When Cases from West Hartlepool were presented (four in all) the West Hartlepool Mental Welfare Officers were invited by Dr. Dunn to present the Social Histories and to answer many of the questions which arose during the discussion. It is felt that a much better understanding of each other's problems has been achieved in addition to a much wider knowledge of the types and treatments in cases of subnormality.

The Mental Welfare Officers are greatly indebted to Dr. Dunn for these Case Conferences.

4. MENTAL HEALTH ACT, 1959.

(a) ADMISSIONS AND AFTER-CARE.

The services of the Mental Welfare Officers are available at all times and they are greatly assisted in their work by the co-operation of the respective Medical Superintendents and Staffs of the General Hospital, West Hartlepool and Winterton Hospital, Sedgfield, Aycliffe Hospital and Prudhoe & Monkton Hospital.

After-Care work in the community absorbs more and more of the Mental Welfare Officers' time and the demands in this particular field are growing rapidly. During 1964 the Council's Mental Welfare Officers made 2,988 visits to patients who had been discharged from hospital and interviewed 539 after-care patients or their relatives in the Health Department.

At the 31st December, 1964, 156 persons were receiving after-care visits.

Visits for Social Histories and pre-care visits during the year totalled 609.

The following are details of patients dealt with by the Mental Welfare Officers during the year ended 31st December, 1964 :—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
No. of patients admitted to the General Hospital, West Hartlepool, Winterton Hospital Sedgfield, Cherry Knowle Hospital Ryhope, The Retreat York and Aycliffe Hospital.			
(a) Sec. 25 of the Mental Health Act, 1959	7	11	18
(b) Sec. 29 (urgent admission) of the Mental Health Act, 1959	52	55	107
(c) Sec. 60 of the Mental Health Act, 1959	1	—	1
(d) Sec. 26 of the Mental Health Act, 1959	1	4	5
(e) Informal admissions escorted by Mental Welfare Officers.	5	2	7
	—	—	—
	66	72	138
	=	=	=

Of these cases 52 were dealt with outside normal office hours.

The number of pre-admission visits totalled 456.

(b) LECTURES

A series of lectures was given by Dr. Lidgate and Dr. Goodall at the General Hospital during the year. The subjects were mainly on Psychiatry and proved very useful to the Mental Welfare Officers who attended regularly.

(c) CLINICAL SESSIONS

Consultant Psychiatrists at Winterton Hospital gave talks on various types of mental illness during which the patients concerned were seen and interviewed. Interesting and informative discussions followed. The sessions were held in Winterton Hospital one evening per month and the Mental Welfare Officers always attended.

5 HARTLEPOOLS AND DISTRICT ASSOCIATION FOR MENTAL HEALTH.

The Inaugural Public Meeting at which the Hartlepoons and District Association for Mental Health was formed was held in the Town Hall, West Hartlepool on 9th December. Over 400 people assembled to hear the speakers launch their campaign to form the Association. Sub-Committees were formed and members of the Health Department were invited to serve as follows :—

Sub-Committee for Subnormality — Dr. H. C. Milligan

Personal Services Sub-Committee — Mr. C. W. Smith and Mr. J. Jordan

All three have also been invited to serve on a Panel of Advisers to the Association, the Panel comprises a wide range of people with specialised knowledge and experience. Mr. E. J. Waggott, O.B.E. the Town Clerk of West Hartlepool and Miss W. Fick the Council's Children's Officer have also been invited to serve on the Panel of Advisers.

WELFARE SERVICES

The Welfare Services provided by the Council under the National Assistance Act, 1948 are administered by the Welfare Committee, which consists of eleven elected representatives (all of whom are also members of the Council's Health Committee) and three co-opted members.

These services are under the direction of the Medical Officer of Health.

A. RESIDENTIAL ACCOMMODATION.

The Council maintains five Hostels for the aged, four of these being adapted premises, (one for males, one for males and females, and two for females) and one purpose-built Hostel with accommodation for males and females, and if necessary, married couples.

At the 31st December, 1964, 146 persons were accommodated in the above-mentioned premises as under :—

	<i>Males</i>	<i>Females</i>	<i>Total</i>	<i>Average Ages</i>
Briarfields	40	—	40	77
Dinsdale Lodge	14	18	32	80
Fairlawn	—	14	14	79
Hazelhurst	—	15	15	79
Wynyard House	17	28	45	78
	—	—	—	
	71	75	146	
	—	—	—	

The age groups of the residents were as follows :—

	Under 65		65-74		75-84		85-90		Over 90		Total
	M	F	M	F	M	F	M	F	M	F	
Briarfields	5	—	15	—	12	—	6	—	2	—	40
Dinsdale Lodge ..	—	1	6	1	5	7	3	7	—	2	32
Fairlawn	—	—	—	4	—	6	—	4	—	—	14
Hazelhurst	—	2	—	1	—	8	—	4	—	—	15
Wynyard House..	1	4	4	3	8	15	3	4	1	2	45
	6	7	25	9	25	36	12	19	3	4	146
	13		34		61		31		7		

The classifications of the residents at the 31st December, 1964 for the purpose of Ministry of Health Form H4 (64) were as under:—

	<i>Elderly</i>		<i>Others</i>		<i>Total</i>
	<i>M.</i>	<i>F.</i>	<i>M.</i>	<i>F.</i>	
Not materially handicapped	56	53	4	5	118
Blind	1	—	—	—	1
Deaf	1	—	—	—	1
Epileptic	2	1	—	—	3
Others physically handicapped	4	8	1	1	14
Mentally handicapped	3	5	—	1	9
	<u>67</u>	<u>67</u>	<u>5</u>	<u>7</u>	<u>146</u>

Included in the above-mentioned total are 3 females accommodated on behalf of the following Local Authorities:—

Birmingham Corporation.....	1
Durham County Council.....	1
Leeds Corporation	1

In addition, 1 West Hartlepool resident, for whose maintenance the Council is financially responsible, was, at the 31st December, 1964, in accommodation provided by Durham County Council.

NEW ADMISSIONS.

During 1964, 49 new residents were admitted to the Council's Hostels, viz.:

	<i>Males</i>	<i>Females</i>	<i>Total</i>
From Hospitals.....	12	7	19
From own homes.....	20	10	30
	—	—	—
	<u>32</u>	<u>17</u>	<u>49</u>

DISCHARGES.

Hostel discharges (including deaths) during 1964 were as under:—

	<i>To</i>		<i>To</i>		<i>Deaths</i>		<i>Total</i>	
	<i>Hospital</i>		<i>Relatives, etc.</i>					
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
Briarfields ..	2	—	1	—	5	—	8	—
Dinsdale Lodge	4	2	5	—	4	2	13	4
Fairlawn ..	—	1	—	2	—	—	—	3
Hazelhurst ..	—	1	—	—	—	—	—	1
Wynyard House	2	6	1	—	5	5	8	11
	<u>8</u>	<u>10</u>	<u>7</u>	<u>2</u>	<u>14</u>	<u>7</u>	<u>29</u>	<u>19</u>
	<u>18</u>		<u>9</u>		<u>21</u>		<u>48</u>	

TRANSFERS,

Transfers between Hostels were arranged in the cases of 1 male and 1 female. 15 Residents (6 males and 9 females) had short periods of Hospital treatment.

HOSTEL WAITING LIST.

At the 31st December, 1964 the names of 8 males and 31 females were on the Waiting List for Hostel Accommodation.

B. TEMPORARY ACCOMMODATION.

(i) HOLIDAY, ETC. ARRANGEMENTS.

During the year arrangements were made for one male person to be admitted to Hostel accommodation whilst the persons with whom he resided were on holiday.

(ii) 118 BURBANK STREET.

During 1964, 15 women and 36 children were admitted to temporary accommodation for periods varying from two nights to 12 weeks.

At the 31st December, 1964, there were three women and eight children in temporary accommodation.

(iii) CIRCUMSTANCES UNDER WHICH TEMPORARY ACCOMMODATION WAS PROVIDED.

Circumstances necessitating the provision of temporary accommodation were as follows :—

1. Evicted because of non-payment of rent	1
2. Without accommodation because of domestic differences	10
3. Evicted from furnished accommodation	3
4. Homeless because of fire damage	1
	—
	15
	—

C. OLD PEOPLE'S FLATLETS

A further block of 22 Flatlets was provided by the Housing Committee during 1964 at Motherwell Road, Owton Manor, making together with the 36 already provided in Glamis Walk, a total of 58 Flatlets on this Estate. Both Flatlets Schemes have a Communal room and a Resident Warden provided by the Welfare Committee. A further 24 Flatlets are to be provided on the Rift House Estate in the financial year 1965-66.

Home Help services and W.V.S. Meals on Wheels are provided where required for Flatlet tenants.

At the 31st December, 1964 the names of 14 males and 29 females were on the waiting list for flatlet tenancies.

D. REMOVAL TO SUITABLE PREMISES OF PERSONS IN NEED OF CARE AND ATTENTION.

It was found necessary during the year to take action under the National Assistance Act, 1948 (Section 47) or the National Assistance (Amendment) Act, 1951 for the removal of one man to hospital.

E. TEMPORARY PROTECTION OF PROPERTY OF PERSONS ADMITTED TO HOSPITAL.

It was not necessary to undertake the protection of property of any persons admitted to Hospital during 1964.

F. BURIAL OR CREMATION OF THE DEAD.

Under Section 50 of the National Assistance Act, 1948 it is the duty of the Council to cause to be buried or cremated any person who died or was found dead in its area, and for the disposal of whose body no other suitable arrangements were being made.

No such arrangements were made by the Council during 1964.

G. W.V.S. "MEALS ON WHEELS" SERVICE.

ORGANISER—MRS. V. PORTAS.

The total number of meals delivered by the W.V.S. Meals on Wheels Service to sick, crippled or aged persons during 1964 was 16,646, an average of approximately 320 meals per week, as compared with 14,106 (271 per week) last year.

Meals continued to be provided on four mornings per week, namely Tuesdays to Fridays inclusive, to persons recommended by the Medical Officer of Health.

A fluctuation in recipients occurred owing to deaths, admissions to and discharges from hospitals, etc.

At the 1st January, 1964, the number of persons provided with meals was 171 and at the 31st December, 1964, 175. During the year a total of 295 persons were provided with meals.

Christmas dinners, financed from W.V.S. funds, were delivered as usual and were greatly appreciated and enjoyed.

A few crises occurred during the year owing to break downs, etc., but with co-operation of the Welfare Department dinners were always delivered more or less on time.

The team of drivers and helpers attached to the Service are most reliable and conscientious and continue to find the work very rewarding.

H. WELFARE VISITING, ETC.

During the year visits were made to elderly persons as under :—

	Effective	Ineffective	Total
Health Visitors	786	112	898
District Nurses	27,823	—	27,823
Geriatric Visitors	9,070	1,459	10,529
Welfare Officers	289	37	326
	<u>37,968</u>	<u>1,608</u>	<u>39,576</u>

I. CHIROPODY SERVICE.

The Council's Chiropody Service for persons over the age of 65 and persons on the Council's Register of Handicapped Persons continued to operate on six sessions per week during 1964 and the following is a summary of the work of the service :—

	Male	Female	Total
No. of persons on Chiropody Register.....	163	411	574
No. of sessions held			276
No. of persons treated			1,643
No. of treatments given.....			2,233
No. of Ineffective appointments			257
No. of persons awaiting first appointments ... at the 31st December, 1964.....	9	33	42

J. WELFARE SERVICES AVAILABLE TO OLD PEOPLE.

The arrangements made with the Ministry of Pensions and National Insurance for cards giving information of the welfare services available in West Hartlepool to be issued with Pensions Order Books was continued during the year.

K. HANDICAPPED PERSONS

A. BLIND AND PARTIALLY SIGHTED.

The Council's arrangements for the provision of Welfare Services for blind and partially sighted persons in accordance with its scheme under Sections 29 and 30 of the National Assistance Act, 1948, continue to be carried out on its behalf by the Executive Committee of the Hartlepool Workshops for the Blind.

(a) NEW REGISTRATIONS.

During 1964 there were 13 new registrations 7 on the Blind and six partially sighted.

(b) REGISTERS.

At the 31st December, 1964, there were 170 names on the Registers, made up as follows :—

(i) NO. OF BLIND PERSONS ON REGISTER AT 31ST DECEMBER—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Under 5	—	—	—
5—15	3	4	7
16—20	—	1	1
21—49	7	8	15
50—64	14	12	26
65 and over	32	55	87
	—	—	—
	56	80	136
	—	—	—

(ii) NO. OF PARTIALLY SIGHTED PERSONS ON REGISTER AT 31ST DECEMBER

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Under 5	—	—	—
5—15	—	—	—
16—20	2	1	3
21—49	4	4	8
50—64	6	3	9
65 and over	1	13	14
	—	—	—
	13	21	34
	—	—	—

(c) NEWLY REGISTERED CASES—CAUSES OF BLINDNESS.

The causes of blindness of the newly registered persons were as under :—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Congenital	—	—	—
Myopic Error	—	1	1
Glaucoma	1	1	2
Cataract	1	3	4
Detachment of Retina	1	—	1
General Diseases	3	2	5
	—	—	—
	6	7	13
	—	—	—

The following are the details of the follow-up of Registered Blind and Partially Sighted Persons :—

Treatment recommended on Form B.D.S.	CAUSE OF DISABILITY				Total
	Cataract	Glaucoma	Senile Macular Degen'tion	Others	
None	3	—	—	—	3
Medical, surgical, or optical	1	—	—	—	1
Hospital Supervision	—	2	—	7	9
	4	2	—	7	13
No. of cases which have, on follow-up received treatment	—	—	—	—	—

(d) OPTHALMIA NEONATORUM.

(i) Total No. of cases notified during the year	—
(ii) No of cases in which—	
(a) Vision lost	—
(b) Vision impaired	—
(c) Treatment continued at 31st Dec. 1964.	—

(e) CLASSIFICATION OF THE BLIND.

The following are the particulars of the classification of the persons on the Blind Register :—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Unemployable	32	50	82
Employable but unemployed ..	—	1	1
Employed as Wage earners ..	9	2	11
Not available for work, household duties, etc.	10	17	27
Trained but unemployed	1	—	1
In training	1	—	1
At school	1	3	4
Not at school	2	1	3
In Part III Accommodation ..	—	1	1
In hospitals	—	5	5
	—	—	—
	56	80	136
	—	—	—

(f) EMPLOYMENT OF THE BLIND.

The following are the details of the occupations of the employed Blind Persons :—

Workshops for the Blind :	<i>Males</i>	<i>Females</i>	<i>Total</i>
Basket Making	4	—	4
Mat Making	2	—	2
Firewood Worker	1	—	1
Shorthand Typist	—	1	1
Telephone Operator	1	—	1
Laundry Worker	—	1	1
Labourer — Garage	1	—	1
	—	—	—
	9	2	11
	—	—	—

(g) HOME TEACHING SERVICE.

The Home Teacher made 1,475 visits to homes, hospitals and hostels during the year and also gave weekly lessons viz. handicrafts (12), braille (4), Typing (2), and Moon (2). She also arranged examinations and registration of blind and partially-sighted persons; assisted in letter-writing, shopping, repair of clothing, etc., making hospital appointments, and visiting patients, ordering of games, magazines and apparatus, obtained transport passes and wireless certificates and acted as escort in special circumstances. She also contacted the National Assistance Board with regard to the installation of wireless in the homes of newly registered persons where required.

Braille literature continued to be available to all blind persons either at West Hartlepool Public Library or direct from the National Institute for the Blind.

(h) SOCIAL ACTIVITIES.

Handicraft Classes continued to be held weekly on Tuesday afternoons. A Social Club was held twice weekly and a social evening was also held once every month. The annual outing was well attended, as were the parties arranged during the Christmas Holidays.

B. DEAF AND DUMB.

(a) The Council's arrangements for the provision of Welfare Services for the Deaf and Dumb in accordance with its scheme under Sections 29 and 30 of the National Assistance Act, 1948 continue to be carried out on its behalf by the Northumberland & Durham Mission for the Deaf and Dumb, the services of whose Missioner (Mr. Barber) are allocated on the basis of two-fifths for the West Hartlepool County Borough Council and three-fifths for Durham County Council.

(b) NUMBER ON REGISTERS.

There were seven new registrations during the year, two males and one female on the Deaf Register and one male and three females on the Hard of Hearing Register. The names of 88 persons were on the registers at the 31st December, 1964, viz :—

	Children under 16		Persons aged 16-64		Persons aged 65 and over		Total		
	M	F	M	F	M	F	M	F	
Deaf									
With Speech	4	5	3	3	1	1	8	9	57
Without Speech	5	3	15	11	3	3	23	17	
	9(17) 8		18 (32) 14		4 (8) 4		31 26		
Hard of Hearing	1	—	5	9	10	6	16	15	31
TOTAL ..	10	8	23	23	14	10	47	41	88
	18		46		24		88		

(c) CLASSIFICATION OF DEAF PERSONS ON THE REGISTER :—

<u>Degree of Deafness</u>	<u>Cause of Deafness</u>	<u>Degree of Speech</u>
Total.....	Born Deaf.....	Normal.....
33	36	5
Severe.....	Acquired.....	Indistinct but
24	21	intelligible.....
Slight.....		18
—		Unintelligible.....
		34
—	—	—
57	57	57
==	==	==

(d) CLASSIFICATION OF HARD-OF-HEARING PERSONS ON THE REGISTER :

<u>Degree of Deafness</u>	<u>Cause of Deafness</u>	<u>Degree of Speech</u>
Total.....	Born Deaf.....	Normal.....
—	Nil	28
Severe.....	Deafness acquired.	Indistinct but
26	31	intelligible.....
Slight.....		3
5		Unintelligible.....
		Nil
—	—	—
31	31	31
==	==	==

(e) SOCIAL WELFARE

No Home Teaching is done among the deaf, unless they are also blind, when they are in the care of Home Teachers for the blind. Deaf men and working women are in open employment

The Social Club is open on three occasions each week. Programmes of activities, outings and holidays have been held during the year and entertainments arranged.

(f) NO. OF DEAF BEING TAUGHT, ETC.

18 children are at special schools for the deaf and receive a normal education.

One youth is at Court Grange, Abbotskerwell, Newton Abbott, Devon. The Royal National Institute for the Deaf Training Centre for problem adolescents.

(g) DOMICILLIARY VISITING ETC.

No. of visits made by Missioner to deaf in their own homes	184
No. of visits made by Missioner to deaf at their place of employment	98
No. of visits on behalf of deaf to Doctors, Courts, Employers, Employment Exchanges, etc.	175

457

(h) SOCIAL ACTIVITIES

Regular Club nights, Church Services and outings were held during 1964. Members of the West Hartlepool Club competed in a Summer Sports Meeting held by the Mission and in a Winter Indoor Games Competition between Mission Centres throughout the area.

A small number of West Hartlepool Deaf people were among those who went on an Old People's Holiday arranged by the Mission.

Young people from West Hartlepool attended an adventure course at Keswick organised by the British Deaf and Dumb Association and at which members of the Mission staff assisted.

(i) PLACEMENTS

During the year employment for deaf persons was found by the Missioner as under :—

<i>Males</i>		<i>Females</i>
Painter	1	Clothing Machinists..... 2
		Carpet Repairer..... 1
		Canteen Worker
		1

(j) EMPLOYMENT.

At the 31st December, 1964 there were 16 male and 6 female deaf persons employed in the following occupations :

<i>Males</i>		<i>Females</i>	
French Polishers	2	Clothing Machinists	3
Boot Repairer	1	Canteen Workers.....	2
Joiners	2	Carpet Repairer	1
Gardener.....	1		
Labourers.....	3		
Window Cleaner	1		
Upholsterer	1		
Cooper.....	1		
Painter	1		
Metal Workers	3		
	—		—
	16		6
	—		—

One boy was undergoing training as a Joiner at Finchdale Abbey.

C. GENERAL CLASSES OF HANDICAPPED PERSONS.

During the year 103 names were added to the Council's Register of handicapped persons, viz. 54 males and 49 females.

During the year 2 men and 2 women died and 1 woman left the area.

At the 31st December, 1964 the names of 261 persons (130 males and 131 females) were on the register, as under :—

	Males			Females			
	15—44	45—64	65+	15—44	45—64	65+	
A/E	2	10	9	3	3	1	28
F	1	9	7	3	24	38	82
G	3	—	1	4	6	—	14
H/L	1	19	4	3	7	5	39
Q/T	6	15	2	—	3	3	29
V	16	14	2	10	11	6	59
U/W	—	2	—	—	1	—	3
X	—	1	—	—	—	—	1
Y	—	2	—	—	—	—	2
Z	2	2	—	—	—	—	4
	31	74	25	23	55	53	261

The Classifications are as under :-

	<i>Medical Classifications</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>
Amputation	A/E	21	7	28
Arthritis and Rheumatism	F	17	65	82
Congenital malformations and deformities	G	4	10	14
Diseases of the digestive and genito-urinary systems ; of the heart or circulatory system ; of the respiratory or other system (other than tuberculosis) and of the skin..	H/L	24	15	39
Injuries of the head, face, neck, thorax, abdomen, pelvis or trunk. Injuries or diseases (other than tuberculosis) of the upper and lower limbs of the spine	Q/T	23	6	29
Organic nervous diseases—Epilepsy, disseminated sclerosis, poliomyelitis, hemiplegia, sciatica, etc. ..	V	32	27	59
Neurosis, psychoses and other nervous and mental disorders not included in V	U/W	2	1	3
Tuberculosis (Respiratory)	X	1	—	1
Tuberculosis (Non-respiratory) ..	Y	2	—	2
Diseases and injuries not specified above	Z	4	—	4
		—	—	—
		130	131	261
		—	—	—

D. CAR BADGES FOR SEVERELY DISABLED DRIVERS.

At the 31st December, 1964 eleven severely disabled drivers held car badges issued by the Council in pursuance of Ministry of Health Circular 17/61.

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR FOR THE YEAR 1964

Madam Chairman, Ladies and Gentlemen,

For the past nine years it has been possible to report that the staffing position has been satisfactory but alas, this year, the shortage of qualified inspectors has severely restricted the work of the department.

By the end of the year we had only two district inspectors instead of six but I am very grateful to the Health Committee for the realistic way in which they tackled the problem and there is now every prospect of finding replacements and, even more important, retaining existing staff.

The first full year of the implementation of smoke control went very quietly and only a very few complaints were received of unsatisfactory performance of the new fuels. The difficulties mentioned in last year's report were still causing some concern but it was possible to go ahead with the making of the second area and a public inquiry was held in October. The 1964 amendments to the Clean Air Act have proved very welcome although there is no doubt that much progress could be achieved with very little trouble if only we were permitted to pay grants to all those who wished to convert their fires before orders are made. The demand towards the end of the year for the council to recognise for grant work done at the owner's own risk, before confirmation of the smoke control order, has clearly shown that there is a high proportion of people in full sympathy with the council's aims and "raring to go" if they have any prospect of financial assistance.

It is rather ironic that gas, which has become so useful and so popular in smoke control areas, has caused one of the biggest headaches during the year. I refer to the very serious difficulties which have arisen of noise from the new gas plant erected in the town. The problems of noise are very real public health ones and the public expect the local authority to take action on their behalf.

The progress in clearing substandard houses was slightly disappointing but the very few new houses available for letting at the beginning of the year got us off to a bad start. By the end of the year things were a good deal better and the final figure of properties cleared was only just below the target. It is interesting to note that the year saw the virtual end of the representations of properties included in the original clearance programme prepared in 1954-5. Whilst many more houses have now reached a stage when they too can be classified as unfit, the programme of 1955 has been remarkably accurate; modifications have been few and barely significant and the completion of demolitions will be almost exactly at the time given ten years ago. This is, I think, a real credit to the council and to my predecessor who prepared the plan. Of course, the job is not done: clearance of substandard houses will have to

continue for many years yet, but one hopes that the subsequent clearance programmes will be as successful as the first.

The registration of premises under the Offices, Shops and Railway Premises Act was largely completed during the year—not without a good deal of what should have been unnecessary work in reminding people of their obligations. However, now that the administrative work is out of the way, it is hoped to start the big task of getting premises up to the standard required by the Act. Our first impressions are that much must be done before the legal standards are reached.

Corned beef dominated the food inspection side of our work. On no less than three occasions every food shop in the town had to be visited and the stock of corned beef checked for tins which may have been infected with typhoid. We will never know whether the hours spent saved a typhoid outbreak or whether they were completely wasted, but certainly the resources of the department were stretched to the limit, at a time of acute staff shortage, to do this work. The development of mobile food trading based on a wholesale cash and carry basis certainly makes an investigation of an incident of this sort extremely difficult because one could never be sure that all mobile traders were known to the department. The need for registration of mobile food traders has never been more clearly demonstrated.

During the last six months of the year it was sad to see our Health Education work on Food Hygiene fade away as staff left. The Report on the Aberdeen typhoid outbreak stressed the need for more work of this type, and I look forward to our being able to restart as soon as possible. Before the Health Education programme stopped, it had been possible through the good offices of the Chief Education Officer and Head Teachers to visit, for the first time, some schools for lectures and film shows on Food Hygiene.

The staffing difficulties referred to were caused by the well deserved promotion of Mr. Beaumont to be Chief at King's Lynn, Mr. Barker to be Deputy Chief at Wakefield and the departures of Mr. Cudlip and Mr. Burn to more rural areas. Whilst we wish them all well, we wish they had not left us because no replacements had arrived by the end of the year. Mr. Bowes was, however, given his equally well deserved promotion and replaces Mr. Beaumont as my Deputy.

I am extremely grateful to all of them, and indeed even more so to the stalwarts who remained, for all the hard work which they put in during the year.

I am grateful, too, for the help and understanding of the Health Committee in what has been a most difficult year.

I am,

Your obedient Servant,

R. EMERSON,

Chief Public Health Inspector.

SANITARY INSPECTION OF THE DISTRICT

2,312 complaints of all kinds were received during the year, including 944 concerning rats and mice.

The following visits were made :—

Dwelling houses (Public Health Act)	2,696
" " (Housing Act)	1,114
" " (Rent Act)	17
Overcrowded houses.....	50
Ashpit survey	5
Water supply.....	34
Licensed caravan sites	29
Inspections for vermin (including treatments).....	2,927
Infectious diseases and disinfections	399
Factories	187
Boilerhouses and industrial plant	57
Offensive trades	6
Swimming baths and paddling pool	51
Schools	40
Places of public entertainment.....	15
Public conveniences	73
Pet shops	9
Shops	181
Noise nuisances	245
Smoke control areas	326
Hairdressers.....	22
Nursery & Child Minders Act	1

SANITARY DEFECTS DISCOVERED AND DEALT WITH BY THE SERVICE OF INFORMAL OR STATUTORY NOTICES.

HOUSES.

REPAIRS To :—

Roofs.....	90
Spouts and fallpipes.....	84
External walls and chimneys.....	28
Internal wall and ceiling plaster.....	46
Damp walls	65
Doors	33
Windows.....	43
Floors	45
Subfloor ventilation	3
Staircases.....	6
Fireplaces and flues	9
Kitchen ranges	2
Sinks and waste pipes	22

Setpot	1
Rainwater pumps and wells	2
Water pipes and taps.....	12
Hot water Systems.....	1
Bath and lavatory basins.....	3
Water closets—	
Basins.....	7
Cisterns.....	33
Seats.....	3
Water supply pipes	5
Stopped drains and water closets.....	172
Other defective drains.....	6
Yard paving.....	5
 PROVISION OF:—	
Internal water supplies.....	7
Internal sinks.....	7
Dustbins.....	21
Cooking facilities	3
 CLEANSING OF:—	
Rooms, passages and staircases.....	6
Fill in rainwater wells.....	4
Removal of refuse.....	5
	779
	779

HOUSING.

The number of inhabited houses in the Borough at the end of 1964 was 23,932, with a population of 78,360. This gives a figure of 3.27 persons per house.

During 1964, 190 houses and 46 flats were built by the Corporation and 192 houses were built by private enterprise.

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).....	532
(b) No. of inspections made for the purpose.....	3,810

(2) (a) No. of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	243
(b) No. of inspections made for the purpose	972
(3) No. of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	243
(4) No. 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	289
 2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—	
No. of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers	174
 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—	
A. Proceedings under Sections 9, 10 and 12 of the Housing Act, 1957 :—	
(1) No. of dwelling houses in respect of which notices were served requiring repairs	—
(2) No. of dwelling houses which were rendered fit after service of formal notices :—	
(a) By owners	—
(b) By local authority in default of owners	—
 B. Proceedings under Public Health Acts :—	
(1) No. of dwelling houses in respect of which formal notices were served requiring defects to be remedied	12
(2) No. of dwelling houses in which defects were remedied after service of formal notices :—	
(a) By owners	9
(b) By local authority in default of owners	—
 C. Proceedings under Sections 16 and 17 of the Housing Act, 1957—	
(1) No. of dwelling houses in respect of which Demolition Orders were made	—
(2) No. of Closing Orders made on whole houses	5
(3) No. of dwelling houses demolished in pursuance of Demolition Orders	—
(4) No. of dwelling houses in respect of which Closing Orders were determined, the houses having been rendered fit ...	—

D. Proceedings under Section 18 of the Housing Act, 1957—

- | | |
|---|---|
| (1) No. of separate tenements or underground rooms in respect of which Closing Orders were made | 1 |
| (2) No. 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, 1957, PART IV, OVERCROWDING :—

It is not possible to give accurate figures of the present overcrowding position without a survey being carried out.

CLEARANCE OF SUB-STANDARD HOUSES.

It has not been possible to prepare the clearance programme for 1973-78 during the year because of staffing difficulties, but it has been possible to continue representations and the published programme is well up to schedule.

Although only 184 families were displaced from clearance areas, this is not too unsatisfactory bearing in mind that in addition 10 families have been rehoused from the new shopping centre area which is really part of a later clearance programme.

All the remaining prefabricated council houses on the Challoner Road estate were vacated during the year in addition to the normal clearance programme.

The position at the 31st December, 1964 was :

Number of houses to be dealt with between 1956 and 1970.	4,083
Number of houses added to programme and to be dealt with between 1970 and 1973	529
Total number to be dealt with between 1956 and 1973	4,612
Number of houses demolished since 1/1/56	2,251
Number of houses empty and awaiting demolition.....	195
Number of houses remaining to be dealt with.....	<u>2,166</u>

210 unfit houses have been vacated during the year.

Three clearance areas were declared during the year comprising 229 houses. Details of these are as set out below :

CLEARANCE AREA PROGRAMME.

(1) CLEARANCE AREAS REPRESENTED—

<i>Date</i>	<i>No. of Clearance Area</i>	<i>Locality</i>	<i>No. of Dwellings</i>
13/2/64	113	Southburn Terrace to Cumberland Street.	113
17/9/64	114	Briar Street to Brook Street	103
19/11/64	115	Middleton Road	13

(2) PUBLIC INQUIRIES HELD—

<i>Date</i>	<i>No. of Clearance Area</i>	<i>Locality</i>	<i>No. of Dwellings</i>
21/4/64	112	Ladysmith Street to Casebourne Road	108
10/11/64	113	Southburn Terrace to Cumberland Street	113

(3) COMPULSORY PURCHASE ORDERS CONFIRMED BY MINISTER—

<i>Date</i>	<i>No. of Clearance Area</i>	<i>Locality</i>	<i>No. of Dwellings</i>
19/2/64	103	Lower Archer Street	6
19/2/64	104	Swainson Street	6
5/2/64	105	Winter Street	47
5/2/64	106	High Winter Street	9
21/2/64	107	Moreland Street	44
5/2/64	108	Bertha Street	10
10/2/64	109	Surtees Street	10
23/7/64	110	Alma Street	59
23/7/64	111	Charlotte Street	29
7/8/64	112	Ladysmith Street to Casebourne Road	108

NUMBER OF HOUSES BUILT 1954-1964.

<i>Year</i>	<i>Private Enterprise</i>	<i>Corporation Houses (All Types)</i>	<i>Total</i>
1954	52	568	620
1955	92	319	411
1956	131	330	461
1957	91	367	458
1958	157	493	650
1959	321	278	599
1960	225	252	477
1961	301	284	585
1962	257	354	611
1963	158	173	331
1964	192	236	428
	<hr/> 1,977 <hr/>	<hr/> 3,654 <hr/>	<hr/> 5,631 <hr/>

LEGAL PROCEEDINGS — PUBLIC HEALTH ACT

The owner of a tenanted house was prosecuted under Section 56 of the Public Health Act, 1936, for failing to carry out repairs to the yard surface within the time specified by a statutory notice. A fine of £5 was imposed.

HOUSING INFORMATION

414 enquires on the expected life of houses were answered in the department.

HOUSES IN MULTIPLE OCCUPATION

The total number of 85 houses known to be in multiple occupation has remained at much the same level as in the previous year. All of these have now been fully inspected, and a total of 244 visits were made under the Housing Act, 1961 during the year.

12 notices were served requiring owners to provide additional facilities or reduce the number of occupants ; 40 notices were complied and it is now considered that 42 houses attain a reasonable standard.

Two Notices of Intention to make Direction Orders were served and one Order made, making a total of 17 Direction Orders in force.

One Notice of Intention to make a Management Order was served, and one Order made, making a total of two Management Orders in force.

Whilst the number of houses in multiple occupation has been contained, the situation cannot be regarded as static, as improvement in the town's economic position may in turn result in a deterioration of the problem due to a possible increase in the demand for housing accommodation within the town.

PROSECUTION

One owner/occupier was prosecuted for the re-letting of a boxroom contrary to the terms of a Direction Order. A fine of £5 was imposed by the magistrates.

COMMON LODGING HOUSES

There have been no common lodging houses in the town since 1956.

RENT ACT, 1957.

One application was made under this Act during the year. 31 certificates of disrepair remain in force.

IMPROVEMENT GRANTS

The number of improvement grants given during 1964 was 113, made up of 111 standard grants and two discretionary grants, all for private properties. The total number of improvement grants approved since the introduction of the standard grant scheme is now 800, the annual figures being :—

<i>Year</i>	<i>Total</i>	<i>Owner/Occupiers</i>	<i>Private Owners</i>
1959	72	69	3
1960	209	206	3
1961	150	142	8
1962	117	115	2
1963	139	113	26
1964	113	93	20

The number of grants approved shows a slight decrease on last year ; this includes a reduction in the number approved in respect of tenanted properties. Generally, the position is a little disappointing, particularly in view of the publicity maintained throughout the year.

The Housing Act, 1964, which came into force in August appears to have had very little impact upon owners and tenants alike.

One representation was received from a tenant under Section 19 of this Act, requiring the Council to compel the owner to provide a bathroom. This was unresolved at the end of the year.

No decision has yet been made by the Council in respect of the introduction of compulsory Improvement Areas under this Act.

During the year 228 visits were made in connection with improvement grants.

NOISE

Although the Noise Abatement Act, 1960 protects statutory undertakers, action was taken on complaints from residents of a noise nuisance from a new large gas works. Frequent meetings took place with the residents and with the management but by the end of the year, when the plant was fully operational, the noise level was still not acceptable.

The department acquired a noise level meter to assist in dealing with this and other complaints.

SLAUGHTERHOUSE AND MEAT INSPECTION

The throughput of animals slaughtered at the public abattoir has been much lower than in previous years except in the pig house, where the benefits of the new de-hairing machine led to a considerable increase.

Work on the new offal store, hide store and condemned room was completed and this part of the premises is much improved.

100% meat inspection was maintained without serious difficulty.

DISEASES OF ANIMALS

No outbreaks of notifiable disease occurred in the County Borough during the year nor was the area included in any Infected Area Orders.

84 visits were made in connection with Movement Licences and 9 visits were made to premises registered under the Diseases of Animals (Waste Food) Order 1957.

TUBERCULOSIS

For the ninth successive year all the biological samples of milk have been reported negative.

Only one cow was found to have tuberculosis on slaughter which gives a percentage of .02. The figure for pigs was 1.09% of animals slaughtered.

BRUCELLA ABORTUS

Out of 83 samples taken 3 showed the presence of this organism and in each case the responsible authority was notified.

Towards the end of the year the dairyman who has hitherto delivered untreated milk into the town on a large scale ceased to supply milk and so this problem is much less extensive than previously.

KNACKER'S YARD.

There is only one licensed knacker's yard in the County Borough, and it is maintained in very good order. In accordance with the Slaughter of Animals (Prevention of Cruelty) Regulations, 1958, the occupier submitted the following return for 1964 :—

Total No. of horses slaughtered in the licensed knacker's yard 2
Total No. of carcasses of horses received in the knacker's yard 86

CHEMICAL SAMPLING AND TESTING OF MILK

Samples of milk obtained from both producers and retailers have again been examined in the Public Health Inspectors' laboratory for fat and non-fatty solids content. Of the total of 111 samples tested, 96 were found to comply with the Sale of Milk Regulations presumptive standards. Where unsatisfactory milks were found, in most cases formal samples, followed where necessary by "Appeal to cow" samples, were taken and examined by the Public Analyst—the results appear in the detailed list of samples taken under the Food & Drugs Act, given later in this report.

The average constitution of samples obtained throughout the year was as follows :—

Fat	..	..	3.50%
Non-fatty solids	..	..	8.71%

ANTIBIOTICS IN MILK

Regular sampling of milk for the presence of antibiotics was continued for the second year, and a total of 44 samples were submitted to the Public Analyst for examination. Of these, three were found to contain traces of antibiotics other than penicillin, but the amounts were less than 0.01 i.u./ml, indicating that they were being used in accordance with recommendations.

BACTERIOLOGICAL EXAMINATION OF MILK.

As in previous years regular sampling of milk was carried on from local dairies, milk shops and schools.

The results of bacteriological examinations are set out below :

1. RAW MILK

No. of samples taken for examination			Source of Supply	Result	Action taken
For presence of Tubercle bacilli	For Methylene Blue Reduction Test	For presence of Brucellus abortus			
5	—	—	Local Supply Supply from outside borough	5 negative	—
53	—	—		53 negative	—
—	17	—	Supply from outside borough	11 satisf'y. 6 unsatisf'y	— Responsible authority notified.
—	—	5	Local Supply	5 negative	—
—	—	78	Supply from outside borough	75 negative 3 positive	— Responsible authority notified.

2. PASTEURISED MILK

No. of samples taken for examination		Source of Supply	Result	Action taken
For Methylene Blue Reduction Test	For Phosphatase Test			
48	—	Local Supply	42 satisfactory 6 unsatisfactory	— Responsible authority notified
—	54	Local Supply	54 satisfactory	—
28	—	Supply from outside borough	27 satisfactory 1 unsatisfactory	— Responsible authority notified
—	30	Supply from outside borough	30 satisfactory	—

3. STERILISED MILK

No. of samples submitted for Turbidity Test	Source of Supply	Result	Action taken
20	Local Supply Supply from outside borough	20 satisfactory	—
15		15 satisfactory	—

4. 30 churn rinses taken. 24 were satisfactory and 6 fairly satisfactory.

5. 36 bottle rinses taken. 24 were satisfactory and 12 unsatisfactory.

BACTERIOLOGICAL EXAMINATION OF ICE-CREAM.

TOTAL SAMPLES	GRADE 1	GRADE 2	GRADE 3	GRADE 4
127	106	12	3	6
100%	83.47%	9.45%	2.36%	4.72%

The grading results obtained throughout the year show a continued improvement on previous years' results, and it would appear that the majority of traders are observing proper cleansing and sterilisation techniques.

THE LIQUID EGG (PASTEURISATION) REGULATIONS, 1963

There are no liquid egg pasteurisation plants in the area. Checks have been made at all bakeries but it is not thought that any of this product is in use.

FOOD HYGIENE

The number of visits to food premises was slightly higher than the previous year's figure, and there was also a similar increase in the number of notices served for infringements of the Food Hygiene Regulations.

During the latter half of the year much inspectorial time was devoted to emphasising the importance of the proper handling and storage of pre-cooked meats, both in the smaller corner shops and in the larger establishments.

The practice of examining plans, and where possible the inspection of new premises prior to occupation, was continued and greatly assisted in ensuring that new food premises were structurally suitable for the maintenance of a high standard of hygiene.

Details of the types of premises in the town are set out below :—

Bakehouses	29	Grocers' shops	17
Bakers' shops	46	Licensed clubs	43
Butchers' shops	65	Snack Bars	16
Cafes	14	Sweet shops	47
Chemists' shops	15	Wholesale grocers	13
Wet and dry fish shops	16	Food factories	20
Fried fish shops	35	School canteens and dining centres	24
General shops	142	Factory canteens	8
Hotels and public houses	56	Mobile shops	90
Greengrocers' shops	69		

N.B. Where two or more types of trade are carried on in the same building only the major business is included in the above table.

SAMPLING OF FOOD

The sampling of food and drugs, although on a slightly smaller scale, was carried out as in previous years, details of which are given in table form later in this report.

RESIDUAL PESTICIDES

For the second year, regular samples of home grown and imported fruit and vegetables were obtained for examination by the Public Analyst for residual pesticides.

As in the previous year, no case of pesticidal contamination was detected.

FOOD PREMISES REGISTERED UNDER SECTION 16 OF THE FOOD AND DRUGS ACT, 1955.

<i>Type of Premises</i>	<i>Number Registered</i>
Ice cream (manufacture, storage and sale)	219
Sausages and preserved meats (manufacture)	64
Preserved fish (manufacture)	44

DAIRIES AND MILKSHOPS.

Dairies	9
Dairies pasteurising milk	1
Milkshops selling pasteurised milk	92
Milkshops selling sterilised milk	165
Milkshops selling untreated milk	57

An analysis of 1,302 visits made to food premises (excluding public abattoir) is given below :—

<i>Type of premises</i>	<i>No. of visits</i>
Dairies.....	84
Milk Shops.....	59
Bakehouses.....	54
Fried fish shops.....	37
Ice cream premises.....	160
Butchers' shops.....	94
Other food shops.....	258
Cafes.....	124
School meals kitchen.....	30
Licensed premises.....	211
Mobile Shops.....	191

<i>Type of improvement to food premises</i>	<i>No. of instances</i>
Food rooms cleansed or re-decorated.....	53
Food rooms repaired.....	15
Hot water supply provided.....	32
Washing basins provided.....	16
Sinks provided.....	3
Towels, soap and nailbrush provided.....	8
Prevention of contamination of food.....	11
Miscellaneous under Food Hygiene Regulations.....	31

PUBLIC HOUSES AND LICENSED CLUBS

Adverse reports were made to the Brewster Sessions in respect of seven unsatisfactory public houses, and in some cases these also contained observations on the licensee's living accommodation. This resulted in a general improvement, and at two public houses major alterations were carried out to completely modernise the premises, and in one case the owners decided to close the business.

Continued improvements were effected in the majority of licensed clubs, and in the case of two new clubs, efforts at the planning stage assured that the completed premises came up to the highest standards, both in relation to general hygiene and to staff and patrons' amenities.

LEGAL PROCEEDINGS — FOOD.

- 1 A local butcher was prosecuted under Section 2 of the Food and Drugs Act, 1955, for selling a saveloy containing a feather and not being of the quality demanded. Defendant was fined £5, with £3-3-0d costs.
- 2 A firm of bakers was prosecuted under Section 8 of the Food and Drugs Act, 1955, for selling rainbow cake which was mouldy and unfit for human consumption. A fine of £15 was imposed with £3-3-0d costs.
- 3 A local butcher was fined £10 with £3-3-0d costs for selling sour potted meat. The case was taken under Section 8 of the Food and Drugs Act, 1955.
- 4 A local baker was prosecuted under Section 8 of the Food and Drugs Act, 1955, for selling mouldy and unsound apple pies, resulting in a fine of £10 with £3-3-0d costs.
- 5 A local retailer was fined £4 and £6 costs for exposing for sale unsound cheese. The case was taken under Section 8 of the Food and Drugs Act, 1955.

In addition to the above cases, 32 complaints were received at the Public Health Inspectors' Department from members of the public regarding contaminated or unsound food. Each case was carefully investigated and 24 warning letters were sent to manufacturers or traders where it was considered that contraventions of the Food and Drugs Act had occurred, but where the circumstances or the legal evidence did not warrant prosecution.

HEALTH EDUCATION

This year got off to a very good start with food hygiene lectures to shopkeepers, schools and the licensed trade but towards the end of the year this work had to be curtailed because of staff shortage.

Requests were frequently received to give talks to local organisations on one aspect or the other of the work of a public health inspector and the opportunities were never lost to tell the members of the work of the department, particularly in relation to food hygiene and clean air. In all, 17 talks have been given to a total of just over 1,000 people.

The Chief Public Health Inspector was invited to give three professional papers during the year and each of these was well attended.

During the Annual Park Show some 8,000 people visited the Health Department tent and saw displays and demonstrations on smoke control, the importance of hand-washing and the work of public health inspectors.

Other exhibitions received the support of the council, although the arrangements were the responsibility of public or private concerns. These included clean air show houses and improvement grant mobile displays.

WATER SUPPLY

The Hartlepoons Water Company continue to supply a water of excellent quality and of sufficient quantity to satisfy the needs of the area. The domestic consumption of water in the whole of the company's area was 3.37 million gallons per day and the industrial demand 6.75 million. The domestic consumption is approximately 34 gallons per head per day.

No changes have occurred in the sources of supply during the year but boreholes are being developed at Sappers Corner and at Atherston Hall Farm with a view to their supplying water during 1965.

Bacteriological samples are regularly taken at the boreholes by the company and the Public Health Laboratory Service have reported the results to be satisfactory on all but one of the 572 samples taken. 28 independent samples taken by public health inspectors were all satisfactory.

A typical chemical analysis is :—

Chemical Results	<i>Parts per Million</i>
Total solids dried at 180°C.....	580
Chlorine as chlorides	67
Free ammonia	None
Albuminoid ammonia.....	Trace
Nitrogen as nitrates	0.70
Oxygen absorbed (4 hours at 27°C.).....	0.2
Total hardness.....	463
Non-carbonate hardness	207
Carbonate hardness	256
Lead and Copper.....	None
Iron.....	None
Appearance and Colour (Hazen degrees < 5)	Clear, Exceedingly Pale Yellow
Smell and Taste	Satisfactory
Microscopical examination of deposit.....	Satisfactory
pH Value	7.4
Residual chlorine	0.12
Fluorine	2

Report :— This sample of water contains less total solids and hardness than sample No. 24 but it is still a very hard water. The water is very pure organically ; it is practically colourless and its physical characteristics are also good. It contains a very considerable amount of fluoride, about twice the optimum amount in relation to dental caries.

All the houses in the town have a mains water supply within the curtilage of the house and the number with only a tap in the yard is continuing to fall as clearance of substandard properties continues.

A large private water supply in the town was regularly sampled and all the results were satisfactory.

INFECTIOUS DISEASE

399 visits were made during the year, the majority of which were in connection with the investigation of dysentery and the collection of specimens, 21 cases being notified. An outbreak of dysentery at a children's residential nursery resulted in the home being closed to visitors and new admissions for several weeks.

Four cases of food poisoning were notified and investigated, all of which involved family outbreaks of salmonella infections. One person employed in a food establishment agreed to remain off work until pronounced clear of infection, obviating the necessity for formal exclusion under the Public Health Act.

A family returning from a Continental holiday and known to be contacts of a confirmed case of typhoid were kept under surveillance until all possibility of their developing the disease passed away.

12 cases of scarlet fever were also notified and investigated, as were four cases of infections of the central nervous system.

CARAVAN SITES & CONTROL OF DEVELOPMENT ACT.

At the end of the year there were in the town the following sites for caravans :

<i>Position</i>	<i>Type of site</i>	<i>No. of caravans permitted</i>	<i>Remarks</i>
Rear of Seaton Hotel	Residential	8	Used principally in connection with Amusement Park.
Amusement Park, Seaton Carew	Residential	1	Used by caretaker of Amusement Park.
Lawson Road, Seaton Carew	Residential	100*	Used as an ordinary residential caravan site. Site does not yet comply fully with licence conditions. Improvements to this site continue.
Surtees Street	Residential	2	Long established site, originally for showmen.
Catcote Farm	Residential	1	Used in connection with agricultural property.
Rear of The Front, Seaton Carew	Holiday	58	Site leased to Caravan Club.

* This site may eventually be occupied by 175 caravans.

PREMISES AND OCCUPATIONS CONTROLLED BY BYELAWS OR REGULATIONS.

	<i>Number</i>
Rag and Bone Dealers	4
Tripe Boilers	1
Fat Renderer	1
Slaughter House	1

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

The main provisions of this new legislation came into operation on the 1st August, 1964, and the majority of the 529 visits made during this first year were in connection with the registration of premises.

OFFICES, SHOPS & RAILWAY PREMISES ACT 1963.
COUNTY BOROUGH OF WEST HARTLEPOOL
ANNUAL REPORT, 1964

Table A—REGISTRATIONS AND GENERAL INSPECTIONS

Class of Premises (1)	No. of Premises registered during the year (2)	Total number of registered Prem- ises at end of year (3)	No. of registered Premises receiving a general inspection during the year (4)
Offices	207	206	4
Retail shops ..	499	496	3
Wholesale shops, Warehouses ..	16	16	—
Catering establish- ments open to the public, canteens	61	61	—
Fuel storage depots	1	1	—
Totals ..	784	780	7

Table B—NUMBER OF VISITS OF ALL KINDS BY INSPECTORS TO REGISTERED PREMISES 529

Table C—ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISES BY WORKPLACE

Class of Workplace (1)	Number of persons employed (2)
Offices	1453
Retail shops	2680
Wholesale departments, warehouses	161
Catering establishments open to the public	477
Canteens	7
Fuel storage depots	7
TOTAL ..	4785
TOTAL MALES ..	1636
TOTAL FEMALES ..	3149

Table D—EXEMPTIONS

No exemptions from the provisions of the Act were requested or given.

Table E—PROSECUTIONS

No prosecutions were instituted during the year.

Table F—INSPECTORS

No. of Inspectors appointed under Section 52 (1) or (5) of the Act	4 + 4 <i>posts vacant</i>
No. of other staff employed for most of their time on work in connection with the Act	1 <i>This is only temporary until registration completed.</i>

COMMENT

Because of shortage of Public Health Inspectors, it has not been possible to carry out many general inspections under the Act, but efforts have been directed to collecting registrations and it is thought that approximately 90% of the premises requiring to be registered are registered.

Steps are being taken to fill the establishment of Public Health Inspectors.

Number of persons employed	Class of work
<p>PREMISES AND OCCUPATIONS CONTROLLED BY BYELAWS AND REGULATIONS</p> <p>1982</p> <p>Bag and Mail Delivery</p> <p>Trape Delet</p> <p>For Road</p> <p>Sanitary House</p>	<p>1982</p> <p>Public shops</p> <p>In public department windows</p> <p>Establishments open to the public</p> <p>Lancashire</p> <p>Food storage depots</p>
<p>1981</p>	<p>TOTAL</p>
<p>1981</p>	<p>TOTAL SALES</p>

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951.

Five premises are registered under the above Act. Seven visits were made to these premises and four samples taken. All samples proved to be satisfactory.

PET ANIMALS ACT, 1951.

Five premises were relicensed and nine visits made to the premises.

ANIMAL BOARDING ESTABLISHMENTS ACT, 1963

This new Act requires the registration of premises used for animal boarding and certain minimum standards are laid down. Four premises with facilities for boarding a total of 38 dogs and 20 cats were registered during the year.

SWIMMING BATHS.

In November a new learner swimming pool was brought into use by the Education Committee. This pool is situated in Rossmere Way and measures 50' x 20' x 3'6" deep, with a capacity of approximately 20,000 gallons. The filtration plant is of the diatomateous earth filter plant type and chlorination is by sodium hypochlorite manually controlled.

Three chemical and three bacteriological samples were taken during the two months the bath was in use and all were satisfactory.

Details of the municipal swimming bath at Seaton Carew are set out in the 1960 Report and of the 16 bacteriological samples taken, only one was unsatisfactory. Two chemical samples were both satisfactory.

AGRICULTURE (SAFETY, HEALTH & WELFARE PROVISIONS) ACT, 1956.

It has not been found necessary to serve any notices during the year under the provisions of this Act.

HAIRDRESSERS

22 premises were visited during the year and no contraventions of the new byelaws were found, the main requirement of which is a common sense approach to personal hygiene, cleanliness of premises and equipment.

SEWERAGE AND SEWAGE DISPOSAL

Work on the first stage of the reconstruction of the sewage disposal system continued throughout the year. This work follows the plans described in previous reports.

An exceptional rainstorm in July caused flooding of about 40 houses in the Murray Street area and disinfection of sewage contaminated properties was carried out.

ATMOSPHERIC POLLUTION

DOMESTIC

The operation of Smoke Control Area No. 1 which came into force in November, 1963, caused no real difficulties during the year and it was only necessary to remind a few people politely of their responsibilities to comply with the order. The final total cost of conversions ranking for grant was £2,902 compared with the original estimate of £3,700. The total number of properties in the area had risen to 696.

At the beginning of the year the Council ran its own demonstration house for 3 days to show the residents of the area how to make the best use of their new appliances.

Smoke Control Area No. 2 was formally approved by the Council on the 4th May for submission to the Ministry of Housing and Local Government for confirmation and a public inquiry was held on 13th October. The result is awaited. It was most unfortunate that the changing fuel position should so restrict the progress of smoke control but there are signs that most of the difficulties are being overcome and the public are ready to accept the changes albeit with the initial expense much higher.

INDUSTRIAL

With the welcome arrival of new industries into the town care has been taken to carefully check the proposed boiler plants to ensure full compliance with the Clean Air Act. Five notifications of new plant were received, in addition to seven applications for prior approval. All the applications were approved. Ten chimney heights were approved under Section 10 of the Act; in most cases after discussion with the architect concerned and the need for a higher stack explained.

Considerable nuisance was caused from time to time by dust from a slag crushing plant and whilst the difficulties are extremely great, proposals were made by the company towards the end of the year which it is hoped will bring about considerable improvement.

A new pollution problem arose in connection with the start up of the new steam naphtha reforming process gas making plant which has been built. Investigations into the cause of the problem were carried out in co-operation with the Public Analyst and the Alkali Inspector and it is thought that this had ceased by the end of the year. A deposit gauge was set up as a temporary measure to examine this pollution.

MEASUREMENT

As was pointed out in last year's annual report, the recession in the iron and steel industry did seem to be influencing the downward trend in the dust deposit figures. This year, with the improvement in industrial activity,

there has been some increase in the figures for Golden Flatts and Grantully, but they are not unduly high.

Every one of the monthly figures for measurement of smoke is below that of the corresponding month of the previous year, and this is very encouraging, but our optimism must be tempered with the thought that the weather over the year was a good deal better than 1963 and there was much less need to put coal on the open fire. It is very significant, however, that this fact should be so faithfully recorded by the volumetric smoke meter.

MONTHLY AVERAGE INSOLUBLE DEPOSITS					
Period	Gray Art Gallery	Grantully	Golden Flatts	Rossmere	Dyke House
1952-56	12.03	9.58	11.16	—	9.23
1953-57	11.72	10.66	11.61	—	9.13
1954-58	11.72	11.73	11.57	—	8.71
1955-59	10.88	11.24	11.19	—	8.12
1956-60	10.80	11.71	11.40	—	7.91
1957-61	10.90	12.17	11.26	8.59	7.56
1958-62	10.42	11.64	10.61	8.03	7.47
1959-63	10.21	10.23	10.11	7.74	7.60
1960-64	10.12	10.97	10.49	7.62	7.83

DISINFECTION AND DISINFESTATION

Rodent control work is a service which is often denigrated by those who have never needed it, but as soon as a rat runs across their garden path, it is amazing how their views on the service change. It then becomes one of the most useful services that the local authority provides. The number of rat infestations does not seem to drop in spite of our efforts, although there has been a quite significant drop in the number of sewer infestations over the years.

There has been an alteration in the arrangements for steam disinfection and on the few occasions when it is necessary, the Hartlepool Management Committee permit us to use their apparatus at Brierton Hospital.

WIND RECORDS (in hours per month).

MONTH	DIRECTION OF WIND									
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm	No record
January ..	61.0	47.0	54.0	56.0	72.0	231.0	202.0	16.0	5.0	—
February	19.0	66.0	95.0	116.0	94.0	197.0	69.0	40.0	—	—
March....	37.0	180.0	307.0	119.0	38.0	28.0	3.0	20.0	12.0	—
April.....	44.0	118.0	56.0	31.0	125.0	268.0	53.0	11.0	4.0	10.0
May.....	55.0	127.0	77.0	16.0	59.0	296.0	77.0	30.0	7.0	—
June.....	80.0	70.0	91.0	10.0	50.0	275.0	88.0	56.0	—	—
July.....	23.0	49.0	67.0	16.0	54.0	271.0	165.0	67.0	32.0	—
August ..	84.0	102.0	32.0	13.0	56.0	282.0	82.0	62.0	29.0	2.0
September	13.0	38.0	19.0	35.0	48.0	327.0	149.0	43.0	48.0	—
October ..	18.0	46.0	73.0	24.0	41.0	329.0	107.0	60.0	46.0	—
November	40.0	67.0	1.0	11.0	45.0	381.0	131.0	17.0	27.0	—
December.	39.0	49.0	41.0	25.0	87.0	310.0	69.0	101.0	23.0	—
Average	32.7	79.9	76.0	39.3	64.0	266.2	99.5	43.5	23.3	6.0

DEPOSIT GAUGES—1964.

MONTH	GRAY ART GALLERY		GRANTULLY		DYKE HOUSE SCHOOL		GOLDEN FLATTS SCHOOL		ROSSMERE SCHOOL	
	Insol.	Fe ₂ O ₃	Insol.	Fe ₂ O ₃	Insol.	Fe ₂ O ₃	Insol.	Fe ₂ O ₃	Insol.	Fe ₂ O ₃
January	7.21	0.87	7.79	1.46	9.73	1.28	5.57	1.31	6.08	1.22
February	15.18	3.54	14.82	5.61	9.77	2.38	11.28	2.95	9.93	3.23
March	13.11	2.37	25.67	9.83	—	—	9.87	2.55	—	—
April	10.54	5.57	9.08	2.01	7.52	1.14	14.70	5.60	—	—
May	9.54	0.87	12.44	1.46	6.18	0.77	13.16	3.66	—	—
June	6.67	0.70	11.56	1.80	11.51	1.21	12.45	3.02	—	—
July	11.21	1.10	37.84	3.50	6.91	1.14	11.18	1.91	7.89	1.22
August	4.80	0.37	10.95	1.26	5.50	0.87	10.97	2.01	4.79	0.68
September	8.51	0.57	7.68	1.39	7.08	1.34	—	—	6.46	1.02
October	—	—	6.09	1.39	5.44	1.13	18.90	2.14	5.64	1.12
November	4.34	0.53	5.44	0.88	7.32	1.14	10.54	3.49	5.23	1.02
December	2.64	0.33	5.41	1.16	4.66	0.81	9.50	3.05	—	—
TOTAL	93.75	16.82	154.77	31.75	81.62	13.21	128.21	31.69	46.02	9.51
AVERAGE	8.52	1.53	12.89	2.64	7.42	1.20	11.65	2.88	6.57	1.35

All figures in tons per square mile

SMOKE FILTER AND VOLUMETRIC SULPHUR DIOXIDE
APPARATUS, HEALTH DEPARTMENT, VICTORIA ROAD.

MONTH	SMOKE IN MICROGRAMMES PER CUBIC METRE			SO ₂ IN MICROGRAMMES PER CUBIC METRE		
	Highest	Lowest	Average	Highest	Lowest	Average
January	668	96	325	381	72	175
February ..	676	100	305	335	71	177
March	464	64	212	253	74	130
April	216	16	75	283	53	120
May	136	12	81	216	14	84
June	188	8	65	204	0	47
July	74	3	32	151	15	57
August ..	101	6	40	100	28	56
September ..	190	3	69	160	26	87
October ..	352	75	194	409	68	215
November ..	432	8	159	301	33	159
December ..	532	44	195	463	100	219

LEAD PEROXIDE INSTRUMENT.

GOLDEN FLATTS SCHOOL

MONTH	Expressed as milligrams of SO ₃ per 100 square centimetres per day.
January....	1.89
February...	1.58
March	1.18
April	1.82
May	2.01
June	1.79
July.....	0.91
August	0.99
September .	1.78
October....	2.06
November..	2.75
December..	3.22

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

Report for 12 months ended 31st December, 1964.

	TYPE OF PROPERTY				
	NON-AGRICULTURAL				(5) Agri- cultural
	(1) Local Authority	(2) Dwelling Houses (incl. Coun- cil Houses)	(3) All other (including Business Premises)	(4) Total of Cols. (1), (2) & (3)	
I. No. of properties in Local Authority's District	160	23,965	3,194	27,319	26
II. Total No. of properties inspected as a result of notification	44	366	88	498	14
No. of such properties found to be infested by :					
Common rat { Major.....	1	Nil	Nil	1	1
{ Minor.....	10	144	68	222	12
Ship rat { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	Nil	Nil	Nil	Nil	Nil
House mouse { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	18	187	20	225	1
III. Total No. of properties inspected in the course of survey under the Act.....	20	334	69	423	10
No. of such properties found to be infested by :					
Common rat { Major.....	1	Nil	Nil	1	Nil
{ Minor.....	5	180	18	203	10
Ship rat { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	Nil	Nil	Nil	Nil	Nil
House mouse { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	14	96	23	133	Nil
IV. Total No. of properties otherwise inspected (e.g. when visited primarily for some other purpose).....	Nil	Nil	Nil	Nil	Nil
No. of such properties found to be infested by :					
Common rat { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	Nil	Nil	Nil	Nil	Nil
Ship rat { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	Nil	Nil	Nil	Nil	Nil
House mouse { Major.....	Nil	Nil	Nil	Nil	Nil
{ Minor.....	Nil	Nil	Nil	Nil	Nil

	TYPE OF PROPERTY				
	Non-Agricultural				(5) Agricultural
	(1) Local Authority	(2) Dwelling Houses (incl. Council Houses)	(3) All other (including Business Premises)	(4) Total of Cols. (1), (2) & (3)	
V. Total inspections carried out—including re-inspections	93	973	177	1,243	78
VI. No. of infested properties (in Secs. II, III & IV) treated by the L.A.	49	607	109	765	44
VII. Total treatments carried out—including re-treatments	147	1,821	327	2,295	170
VIII. No. of notices served under Section 4 of the Act :					
(a) Treatment	Nil	Nil	Nil	Nil	Nil
(b) Structural Work (i.e. Proofing)	Nil	Nil	Nil	Nil	Nil
IX. No. of cases in which default action was taken following the issue of a notice under Sec. IV of the Act.....	Nil	Nil	Nil	Nil	Nil
X. Legal Proceedings.....	Nil	Nil	Nil	Nil	Nil
XI. No. of "Block" control schemes carried out	Nil	16	Nil	16	Nil

INSPECTION OF FOOD

198 visits were made during the year in connection with the inspection of meat and other foods. This figure excludes the full time meat inspection duties carried out at the Municipal Abattoir.

UNSOUND FOOD

SURRENDERED TO PUBLIC HEALTH INSPECTORS

Arrangements for the disposal of unsound food were as in previous years.

86	lbs	Pork
18	„	Offal
756½	„	Ham and Bacon
69	„	Sausage
6		Chickens
43½	lbs	Cooked meats
37		Meat pies
843	tins	Meat
6	packets	Beef suet
1908	tins	Fish, Fruit and Vegetables
288	jars	Fish caviar
16	packets	Peeled prawns
6	jars	Pickles and Sauces
3	packets	Cheese
17½	lbs	Butter
2	tins	Peanut butter
68	lbs	Preserves
1	tin	Syrup
93	tins	Creamed rice and sago
225	tins	Milk
1	jar	Coffee
18	packets	Lentils
1	packet	Breakfast cereal
1	packet	Biscuits
25		Pikelets
14	packets	Frozen pastry
21	packets	Frozen chips
59		Chocolate delights

FOOD AND DRUGS ACT—ADULTERATED SAMPLES—ACTION TAKEN

Article Purchased	Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulterated	No. of Sample	Nature of Adulteration	Remarks and Action Taken
Milk	65	21	44	56	9	30	Antibiotic residues	Discussions with farmer.
						42	Deficient in fat.	Appeal to cow samples taken; proved deficiencies due to natural causes.
						43		
						44		
						45		
						46		
						62	Deficient in fat.	Appeal to cow samples taken; proved deficiency due to natural causes.
						114	Showed reaction to test which suggests that an antibiotic other than penicillin is present.	Letter to farmer.
						117	Showed reaction to test which suggests that an antibiotic other than penicillin is present.	Letter to farmer.
Cornish Pasty	1	—	1	—	1	2	Contained tuft of beast hair.	Warning letter to manufacturer.
Foreign matter from sliced green beans.	1	—	1	—	1	85	Identified as a piece of transparent plastic.	Importers informed. Warning letter sent.
Ice Lolly	1	—	1	—	1	90	Contained equivalent of 0.95 salt. Unpalatable and unsuitable for sale for human consumption.	Local authority of manufacturing area notified.
Cheese	1	—	1	—	1	91	Contaminated with mould. Unfit for sale for human consumption.	Legal proceedings taken. Retailer fined £4 and £6 costs.
Open can of chopped Pork	1	—	1	—	1	125	Discoloured area found on meat adjacent to side seam of can. Contaminated with iron. This condition is very undesirable.	Manufacturer notified.
Ice Cream	7	—	7	7	—	—	—	—
Pure Cream (tinned)	1	—	1	1	—	—	—	—
Sweetened Milk (tinned)	1	—	1	1	—	—	—	—
Butter	2	—	2	2	—	—	—	—
Margarine	1	—	1	1	—	—	—	—
Pure Dripping	1	—	1	1	—	—	—	—
Cooking Oil	1	—	1	1	—	—	—	—
Lard	1	—	1	1	—	—	—	—
Bread	1	—	1	1	—	—	—	—
Steak & Kidney Pie	1	—	1	1	—	—	—	—
Cheese Spread with Shrimps	1	—	1	1	—	—	—	—
Meat Paste	2	—	2	2	—	—	—	—
Fish Paste	1	—	1	1	—	—	—	—
Self-raising Flour	1	—	1	1	—	—	—	—
Plain Flour	2	—	2	2	—	—	—	—
Slimming Biscuits	2	—	2	2	—	—	—	—
Merrigues (cakes)	1	—	1	1	—	—	—	—
Drinking Chocolate	1	—	1	1	—	—	—	—
Instant Coffee	1	—	1	1	—	—	—	—
Sausage	5	—	5	5	—	—	—	—
Dressed Crab	1	—	1	1	—	—	—	—
Pure Malt Vinegar	1	—	1	1	—	—	—	—
Curry Sauce	1	—	1	1	—	—	—	—
Apples	1	—	1	1	—	—	—	—
Plums	1	—	1	1	—	—	—	—
Tomatoes	1	—	1	1	—	—	—	—
Potatoes	1	—	1	1	—	—	—	—
Preserves	4	—	4	4	—	—	—	—
Soup	3	—	3	3	—	—	—	—
Sweets	2	—	2	2	—	—	—	—
Glaze Cherries	1	—	1	1	—	—	—	—
Cut Mixed Peel	1	—	1	1	—	—	—	—
Brandy	1	—	—	—	—	—	—	—
Whisky	1	—	—	—	—	—	—	—

FOOD AND DRUGS ACT—ADULTERATED SAMPLES—ACTION TAKEN

continued.

Articles Purchased	Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulterated	No. of Sample	Nature of Adulteration	Remarks and Action Taken
Shandy (tinned)	1	—	1	1	—	—	—	—
Brewing Materials . . .	8	—	8	8	—	—	—	—
Vitamin Tablets	1	—	1	1	—	—	—	—
Teething Powders . . .	3	—	3	3	—	—	—	—

Animals Slaughtered at Public Abattoir.

YEAR	BEASTS	SHEEP	CALVES	PIGS	TOTAL
1955	3,812	10,783	281	11,573	26,449
1956	3,947	12,220	329	9,910	26,406
1957	4,764	13,995	353	11,116	30,228
1958	5,116	12,107	133	10,562	27,918
1959	4,631	18,718	53	10,998	34,400
1960	4,801	15,402	74	9,847	30,124
1961	5,037	21,190	59	8,426	34,712
1962	5,548	27,137	66	9,404	42,155
1963	5,524	19,273	100	9,974	34,871
1964	3,940	16,789	168	12,496	33,393

YEAR	Total Cattle slaughtered (including calves)	Number affected with Tuberculosis	Percentage affected	Total number of pigs slaughtered	Number affected with Tuberculosis	Percentage affected
1955	4,093	306	7.47	11,573	279	2.41
1956	4,276	347	8.11	9,910	190	1.91
1957	5,117	422	8.24	11,116	263	2.36
1958	5,249	456	8.68	10,562	229	2.16
1959	4,684	262	5.59	10,998	202	1.83
1960	4,875	77	1.58	9,847	150	1.52
1961	5,096	13	0.25	8,426	88	1.04
1962	5,614	17	0.30	9,404	74	0.79
1963	5,624	9	0.16	9,974	71	0.71
1964	4,108	1	0.02	12,496	137	1.09

CARCASSES INSPECTED AND CONDEMNED

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
No. killed	3,643	297	168	16,789	12,496	—
No. inspected	3,643	297	168	16,789	12,496	—
ALL DISEASES EXCEPT TUBERCULOSIS & CYSTICERCI:						
Whole carcasses condemned	1	3	11	87	29	—
Carcasses of which some part or organ was condemned	1,008	99	11	1,287	1,581	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	27.69	34.34	13.09	8.18	12.88	—
TUBERCULOSIS ONLY :						
Whole carcasses condemned	—	—	—	—	—	—
Carcasses of which some part or organ was condemned	1	—	—	—	137	—
Percentage of the number inspected affected with tuberculosis	0.02	—	—	—	1.09	—
CYSTICERCOSIS :						
Carcasses of which some part or organ was condemned	21	1	—	—	—	—
Carcasses submitted to treatment by refrigeration	3	1	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

FACTORIES ACTS, 1937 TO 1959.

INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH
(INCLUDING INSPECTIONS MADE BY PUBLIC HEALTH INSPECTORS).

PREMISES (1)	Number on Register (2)	Number of		
		Inspections (3)	Written Notices (4)	Prosecut- ions (5)
Factories without mechanical power.....	68	37	—	—
Factories with mechanical power.....	186	109	7	—
Other Premises under the Act, including works of building and engineering con- struction but not including outworkers' premises	21	41	2	—
TOTAL.....	275	187	9	—

ANNUAL
REPORT

OF THE

PRINCIPAL SCHOOL
MEDICAL OFFICER

1964

COUNTY BOROUGH OF
WEST HARTLEPOOL



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1884

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County Borough of



West Hartlepool

Principal School Medical Officer's Report

For the Year 1964

HEALTH AND WELFARE DEPARTMENT

WEST HARTLEPOOL.

May, 1965.

*To the Chairman and Members of the
EDUCATION COMMITTEE.*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my seventh Annual Report as Principal School Medical Officer for the year 1964.

GENERAL

1964 saw an improvement in the economic situation in the Hartlepoons and though the unemployment position eased considerably, the placing of handicapped pupils in employment still presented difficulty.

Due to an improved staffing situation the number of sessions devoted to school medical inspections went up by 25% and a total of 4,317 children were examined at periodic inspections compared with 3,751 in 1963. Another pleasing feature was the increasing proportion of parents attending medical inspections—over 92% of all entrants examined were accompanied by a parent and even on the school leavers' side a figure of over 25% was reached which compares very favourably with a figure of just under 12% two years ago.

The number of children examined by the School Dental Officers was also substantially up and with an increasing number of sessions devoted to treatment, the number of children actually treated by the School Dental Officers went up by over 30%.

There was a low incidence of infectious disease during 1964 and the number of cases of scabies seen at the school clinic also declined considerably.

HANDICAPPED PUPILS

The service to handicapped children, particularly those who are educationally subnormal and maladjusted, was substantially improved by the Educational Psychologist, Mr. F. E. J. Ridley, taking up his appointment in the Summer of 1964. Indeed, with the decline in numbers of other types of handicapped children, increasing emphasis has been given to the educationally subnormal and the maladjusted child. Although the services for investigation and treatment have improved during the year, one of the more serious problems facing the school health service is the placement of maladjusted children in special schools. This is a problem which is extremely difficult in North Eastern England and indeed, many of these children have to be placed in schools at remote distances from their homes, often in the extreme south west. These facts are well known both locally and in the Department of Education and Science, but it should be emphasised that every effort should be made by all concerned to see that a higher proportion of children receiving special educational treatment do so, as far as possible, in schools within the region.

STAFF

Mrs. K. M. Atkinson took up her appointment as Principal School Dental officer in January, 1964, and has tackled her problems with great energy and enthusiasm. We both look forward in the near future to the completion of the new school clinic with improved facilities not only for the medical and dental examinations, but also the increased opportunities which will be provided for health, including dental health education.

The appointment of Dr. A. Wilkinson as Assistant Medical Officer of Health and School Medical Officer brought the establishment of the Department up to full strength and allowed us, for the first time, to tackle medical inspections in the nursery schools.

The increased number of health visitors should provide a better service to individual schools and closer links between teacher and the School Health Department.

It is once again a pleasure to acknowledge the co-operation received from the Chairman and Members of the Education Committee, and particularly the Special Services Sub-Committee. I am indebted to the Chief Education Officer and his staff for their assistance at all times and once again would thank head teachers for their co-operation in the work of the School Health Service.

I am,

Ladies and Gentlemen,

Your obedient Servant,

H. C. MILLIGAN,

Principal School Medical Officer

STAFF OF THE
SCHOOL HEALTH SERVICE

**Principal School Medical Officer
and Medical Officer of Health :**

H. C. MILLIGAN, M.B., Ch.B., D.P.H.

**Deputy Principal School Medical Officer and Deputy Medical
Officer of Health :**

H. GORDON, M.B., Ch.B., D.P.H.

School Medical Officer :

D. F. HENLEY, M.B., B.S.

A. WILKINSON, L.R.C.P., L.R.C.S.,

Ophthalmic Surgeon :

C. J. SHARP, M.B., Ch.B., D.O.

Orthoptist :

MISS F. STROTHER, D.B.O.

Aural Surgeon :

L. V. ARUNDEL, L.R.C.P.,(Ed.), L.R.C.S. L.R.F.P.S.(Glas.),
D.L.O. (Eng.)

School Dental Officers :

MRS. K. M. ATKINSON L.D.S., Principal School Dental Officer

A. G. WILDGOOSE, L.D.S.

Speech Therapist :

MRS. M. MILLIGAN, L.C.S.T.

Health Visitor/School Nurses :

MISS M. A. FIELDS, S.R.N., S.C.M., H.V. Cert. (Superintendent)
 MRS. A. I. BARKER, S.R.N., S.C.M., H.V. Cert.
 MISS A. M. BENDELOW, S.R.N. S.C.M. H.V. Cert.
 MRS. M. A. BODDY, S.R.N., S.C.M., H.V. Cert. Registered Fever Nurse
 MRS. M. CROSS, S.R.N., S.C.M., H.V. Cert.
 MRS. M. DOUGLAS, S.R.N., S.C.M., H.V. Cert.
 MISS J. GALVIN, S.R.N., S.C.M., H.V. Cert.
 MISS R. J. HUBBARD, S.R.N., S.C.M., H.V. Cert.
 MISS M. LANCASTER, S.R.N. S.C.M. H.V. Cert.
 MISS O. MAVIN, S.R.N., S.C.M., H.V. Cert. Registered Fever Nurse
 MRS. P. MARTIN, S.R.N., S.C.M., H.V. Cert.
 MRS. A. USHER, S.R.N., S.C.M., H.V. Cert. (Part-time)

Student Health Visitors

MRS. M. GOULDING, S.R.N., S.C.M.
 MISS E. E. HARRIS, S.R.N., S.C.M.

School Nurses :

MRS. C. CORNER, S.R.N., S.C.M.
 MISS M. P. LOWRY, S.R.N., S.C.M.
 MRS. D. L. HARBRON, S.R.N., S.C.M. (Part-time)

III. GENERAL STATISTICS.

The school population in January, 1965 was 14,241, an increase of 269 above the figure for January, 1964. The number of pupils on the register is shown in the following table :—

Population of County Borough 78,360.

Primary Schools or Departments					<i>Children on</i>	
January, 1965					<i>Schools</i>	<i>Register</i>
County	..	..	..	..	24	6,742
Voluntary	..	..	..	..	7	2,083
Total	..	..	..	..	31	8,825
Secondary Schools or Departments						
January, 1965—						
County	..	..	..	..	11	4,631
Voluntary	..	..	..	..	2	544
Total	..	..	..	..	13	5,175
Nursery Schools—January, 1965					..	2
Day Special Schools—January, 1965—						
County	..	..	..	..	2	155

IV. ROUTINE INSPECTIONS.

(a) Medical.

During 1964, 4,317 periodic medical inspections were carried out on children attending the schools within the area of the Education Authority. These inspections were carried out on children at entry into the Infants School, in the last year at the Junior School, in the last year at the Senior School, and when records of previous medical examinations with other Education Authorities are not available.

At the Grammar School for Boys and the High School for Girls special arrangements were made whereby all the pupils were medically examined in their sixteenth year.

The number of periodic medical inspections carried out were as follows :—

No. of Periodic Medical Inspection Sessions	..	..	255
No. of children examined at Periodic Medical Inspections			4,317
No. of children examined at Special Inspections	..		168
No. of children examined at Re-inspections	..	..	12

Percentage of children examined at Periodic Medical
Inspections found to have defects requiring treatment 19.8%

Comparative figures for earlier years are—

1960	..	..	..	11.52%
1961	..	..	..	10.93%
1962	..	..	..	12.1%
1963	..	..	..	17.78%

Details of defects found are given in Table I.

The number of parents attending at the examination of their children was as follows :—

		1961	1962	1963	1964
Entrants	..	89.1%	90.04%	90.42%	92.26%
Others	..	81.4%	83.77%	51.47%	84.29%
Leavers	..	15.3%	11.97%	23.3%	25.09%

Only 25% of children examined on leaving school were accompanied by a parent. However, form numbered Y9 for the Youth Employment Officer is filled up by the School Doctor when a defect likely to interfere with a child's future employment is found. This enables the Employment Office to assess the child's capabilities for various jobs.

(b) Dental.

Each school child has a routine school inspection at least once a year.

(c) Cleanliness.

Inspections for cleanliness are carried out by the School Nurses who endeavour to examine each child in school once each term. Owing to absenteeism it is not always possible to attain this desirable standard but every effort is made to ensure that as few children as possible escape examination.

29,372 examinations were carried out, and children were found to be verminous on 1,289 occasions at such examinations — a decrease of 1.7%.

A child found to be unclean in any way is not allowed to take part in swimming activities until "cleared" by the School Nurse. This restriction has often been found to result in a dramatic improvement.

GENERAL CONDITIONS OF CHILDREN INSPECTED.

No change has occurred during 1964 in the method of assessment of the general conditions of children which is categorised as satisfactory or unsatisfactory only. During 1964 the general condition of 21 children out of 4,317 examined was considered unsatisfactory.

V. ARRANGEMENTS FOR TREATMENT.

The arrangements for treatment are as follows:—

Minor Ailments ..	Medical Officer Sessions.	Wednesday and Thursday a.m.
Minor Ailments ..		Monday, Wednesday and Friday a.m.
Sun-ray ..		Monday p.m. and Friday p.m. if required
Dental Clinics ..		Daily
Orthoptic ..		Thursday and Friday
Ophthalmic ..		Tuesday, Wednesday and Friday p.m.
Aural		Tuesday p.m.
Speech Therapy..		Daily (by appointment)

The Ophthalmic and Orthoptic Clinics have continued to be held in Stranton House, all other Clinics being held at the School Clinic in Park Road.

Medical Officer's Special Sessions for the examination of physically handicapped and educationally sub-normal children are held at the School Clinic and Health Department, but occasionally they are held in the child's school.

VI. MINOR AILMENTS.

Treatment of minor ailments has continued throughout the year at Thornhill Special School.

Details of the children receiving treatment at the School Clinic are given below:

	1963	1964
Skin Diseases—		
Impetigo	37	21
Scabies	207	63
Ringworm—Scalp	2	2
Body	—	—
Other Skin Diseases	39	50
Eye Diseases—		
Conjunctivitis	—	2
Blepharitis	10	4
Hordeolum	14	9
Other Eye Diseases	22	30
Ulcer	1	—
Ear Diseases—		
Otorrhoea	39	23
Wax	14	3
Other Ear Diseases	56	27
Nose Complaints	41	15
Uncleanliness—		
Verminous Heads	357	341
Dirty Body	—	—
Miscellaneous Cases—		
Septic Sores and Abrasions	214	183
Accidents (Minor)	132	104
Enlarged Glands	—	1
Abscesses and Boils	21	9
Sore Throats	3	5
Chilblains	1	4
Warts	151	147
Debility	—	—
Infection, etc.	4	1
Other Ailments	6	2
Postures	1	1
	<u>1,372</u>	<u>1,045</u>
No. of individual children who attended Clinics ..	852	782
No. of attendances made	5,594	2,750

VII. ULTRA VIOLET RAY TREATMENT.

Ultra Violet Ray treatment sessions are held at the School Clinic and also at Thornhill Open Air School.

Children are recommended for treatment by the School Medical Officers in the main on account of catarrhal conditions, bronchitis, sub-normal nutrition or general debility.

No. of children treated at School Clinic during 1963 ..	4
No. of children treated at Thornhill Open Air School during 1964	2
	—
Total ..	6
	—

Diphtheria Immunisation

Protection against diphtheria is freely available to all children at the local authority clinics and from family doctors. As at the 31st December, 1964 66% of all children under 5 years of age had received immunisation against diphtheria.

Diphtheria Immunisations

Year of Injection	PRIMARY				REINFORCING			
	Age Groups of Children at time of Injection							
	Under 1	1 to 4	5 to 14	Total	Under 1	1 to 4	5 to 14	Total
1960	610	263	333	1,206	—	106	728	834
1961	239	895	74	1,208	—	46	489	535
1962	175	356	233	764	—	46	96	142
1963	414	1,468	810	2,692	—	61	443	504
1964	399	725	302	1,426	3	406	537	946

Poliomyelitis Immunisation

The high rate of immunisation achieved during 1962/63 has been maintained during the year under review.

A more detailed survey of the work is given in the tables which follow :

IMMUNISATION

Vaccine

Year	Total					Total
	1951	1952	1953	1954	1955	
1951	10	15	20	25	30	80
1952	15	20	25	30	35	105
1953	20	25	30	35	40	150
1954	25	30	35	40	45	200
1955	30	35	40	45	50	250
Total	80	105	150	200	250	785

Year	Total					Total
	1951	1952	1953	1954	1955	
1951	10	15	20	25	30	80
1952	15	20	25	30	35	105
1953	20	25	30	35	40	150
1954	25	30	35	40	45	200
1955	30	35	40	45	50	250
Total	80	105	150	200	250	785

Year	Total					Total
	1951	1952	1953	1954	1955	
1951	10	15	20	25	30	80
1952	15	20	25	30	35	105
1953	20	25	30	35	40	150
1954	25	30	35	40	45	200
1955	30	35	40	45	50	250
Total	80	105	150	200	250	785

Year	Total					Total
	1951	1952	1953	1954	1955	
1951	10	15	20	25	30	80
1952	15	20	25	30	35	105
1953	20	25	30	35	40	150
1954	25	30	35	40	45	200
1955	30	35	40	45	50	250
Total	80	105	150	200	250	785

Schoolchildren

The scheme for vaccination against tuberculosis of school children from 12 years of age upwards was continued during 1964 and 66.4% of the children to whom testing was offered accepted and of these 92.5% were tested.

Further details are given in the following table :—

Tuberculin Testing and B.C.G. Vaccination - 1964

	Boys	Girls	Total
No. to whom Testing was offered.....	780	761	1,541
Refused.....	266	252	518
Accepted.....	514	509	1,023
Absent and therefore not tested	52	24	76
TESTED	462	485	947
Absent and therefore not read	7	15	22
READ.....	455	470	925
Tuberculin POSITIVE.....	56	65	121
Tuberculin Negative and therefore VACCINATED .	399	405	804

IX. VISUAL DEFECTS.

Vision is tested by the School Nurses at least four times during the pupils' career, i.e. before each routine medical inspection and also at the eight-year level but more frequent screening may be carried out when indicated by School Medical Officers.

Colour vision is tested in Junior schools some time before the routine medical inspection.

School children suffering from visual defects :—

Total No. of attendances	1,483
No. of new cases seen	525
No. of prescriptions issued	763
No. referred for operative treatment ..	45

The percentage of pupils found to require treatment for defective vision, (excluding squint) at periodic medical inspections during the past five years was as follows :—

	1960	1961	1962	1963	1964
Entrants ..	2.96%	3.25%	2.24%	1.7%	2.15%
Others ..	3.92%	7.48%	5.95%	3.04%	4.21%
Leavers ..	6.75%	4.47%	7.59%	1.76%	1.57%

Squint.

Year	Requiring treatment for Squint	Requiring Observation only	Total	Percentage with Squint of those seen at Periodic Medical Inspections
1960	23	7	30	.61
1961	11	7	18	.37
1962	18	34	52	.43
1963	16	15	31	.43
1964	34	19	53	1.22

Orthoptic Treatment.

During 1964, orthoptic treatment has been available at Stranton House on four sessions per week and 187 new cases have been seen and a total of 1,162 attendances made.

Since 1st October, 1959, the Ophthalmic Surgeon and the Orthoptist have held joint clinics at Stranton House on at least two sessions per week.

X. EAR, NOSE AND THROAT DEFECTS.

The Consultant Surgeon conducted 35 Aural Clinic sessions during the year at the School Clinic.

Details of Treatment Provided.

	1963	1964
Operative Treatment—		
For diseases of the ear	26	23
For adenoids and chronic tonsillitis..	90	105
For other nose and throat conditions	46	28
	<hr/>	<hr/>
	162	156
	<hr/>	<hr/>
Other forms of treatment—		
Nose complaints	41	15
Otorrhoea	39	23
Cerumen	14	3
Other ear diseases	56	27
Sore throats	3	5
	<hr/>	<hr/>
	153	73
	<hr/>	<hr/>

Tonsillectomy.

Each Local Education Authority was requested by the Principal Medical Officer of the Department of Education and Science to note the percentage of children seen at routine Medical Inspections who had had their tonsils removed.

Of 4,319 children inspected, 480 (11.11%) were found to have undergone tonsillectomy. Further details are given in Table XV .

Hearing Tests

Testing of school children in the 6—7 year age group was continued during 1964. School Nurses performed screening tests on children who were retested by the School Medical Officers. Forty-eight of these were referred for further treatment.

XI. SPEECH THERAPY

Total number of attendances for treatment in the year was 1,816. The number of new cases referred and invited for interview was 160, of these 115 accepted appointments for treatment. 195 cases carried on from 1963 were also seen and 121 cases were under observation.

18 visits were made to schools.

XII. CHILD GUIDANCE

Children requiring child guidance are referred by School Medical Officers to child guidance clinics in Middlesbrough and Sunderland. The Child Guidance Clinic at Middlesbrough is provided under the National Health Service whilst the Sunderland Clinic is maintained by the Sunder-

land Education Authority and in the latter case a percapita fee is paid by the Education Committee. The Sunderland Clinic has an obvious bias to education problems whilst the Middlesbrough Clinic is part of a comprehensive family psychiatry service.

New Cases

Year	Middlesbrough	Sunderland
1963	20	21
1964	12	12

Including old cases 19 children made a total of 93 attendances at Sunderland Child Guidance Clinic as compared with 26 making 91 attendances in 1963. In all these instances the closest co-operation is maintained between the School Medical Officers, General Practitioners and other Social Workers.

XIII. REPORT OF THE PRINCIPAL SCHOOL

DENTAL OFFICER.

May I first of all take this opportunity to thank all who have made my first year in West Hartlepool a pleasant one ; the staff of the Health and Education departments for their help in matters of policy and administration, the school staffs for their difficult part in seeing to the keeping of appointments and following up of broken ones, and the clinic staff for their help in clerical and chairside work.

The bitter struggle between natural fluorides and fermentable carbohydrates continues unabated. So to the efforts of the clinic staff to combat dental decay, the natural outcome of the supremacy of sticky chocolate biscuits, iced lollies, etc. There seems to be a widespread acceptance of dental disease as one of the unavoidable facts of life. Much effort is expended each year in an attempt to discover the causative factors and a cure or preventive for decay. Fluoridated water has been found to be the most efficient single agent for strengthening teeth against decay. The children of West Hartlepool have the advantage of naturally fluoridated water and the incidence of dental disease here is less than in other parts of the country where fluorides are not present, but this is no cause for complacency. The beneficial effects of fluorides are rapidly undermined by the indiscriminate indulgence of a sweet tooth. A little more attention to oral hygiene, correct diet and early regular dental treatment would set our children's teeth firmly on the road to dental health.

The new Health Centre for which the town has waited so long is well past the planning stage. Meanwhile the old clinic has received a further face lift from the purchase of an X-ray unit and a General Anaesthetic machine which help us to give more comprehensive service to our patients.

XIV. SCHOOL MEALS SERVICE.

No. of Children having School Meals and Milk—January, 1965.

No. of children on School Rolls ..	14,241
No. of children having Dinners ..	5,476
No. of children having Free Dinners ..	1,575
No. of children paying for Dinners ..	3,901
No. of children having School Milk ..	11,590

	No. on Roll	No. of Pupils having Meals			No. of Pupils having Milk
		Free	Paid	Total	
Nursery	86	7	66	73	62
Primary	8,825	1,005	2,045	3,050	7,864
Secndy. Modern, Grammar & Tech.	5,175	511	1,724	2,235	3,546
Special Schools ..	155	52	66	118	118
	14,241	1,575	3,901	5,476	11,590

All children having milk received one-third pint per day, except at Thornhill Special School where two-thirds pint were supplied to each child classed as delicate.

The children at the two Nursery Schools had an extra third-pint of milk per day, which was paid for by the parents.

XV. HANDICAPPED PUPILS.

The Education Committee is responsible for the ascertainment of all Handicapped Children from the age of two years who require special educational treatment. The early ascertainment of handicapped pupils is one of the most important functions of the School Health Service.

Wherever possible, handicapped children attend ordinary schools provided they are able to profit by the education offered in such schools and provided that they do not interfere with the education of the other children in schools by their presence. It is important to remember and to stress the degree of "normality" which exists in any child, however physically handicapped, and due consideration must always be given to this aspect of the child as well as to the handicap from which the child may be suffering. In most cases these children are known to the Consultant Paediatrician and here the closest co-operation exists, so that the eventual recommendation is the result of mutual discussion.

Details regarding the categories of handicapped pupils requiring special educational treatment are contained in the "Handicapped Pupils and Special Schools Regulations, 1959" as follows :—

(a) Blind Pupils.

No. of blind pupils ascertained during the year ..	—
No. of blind pupils admitted to Special School during the year	—
Total No. of blind pupils in Special Schools for the Blind, as at 31.12.64	4

(b) Partially Sighted Pupils.

No. of partially sighted pupils ascertained during the year	—
No. of partially sighted pupils admitted to Special Schools during the year.. .. .	—
Total No. of partially sighted pupils in Special Schools for partially sighted children as at 31.12.64	—

(c) Deaf Pupils.

No. of deaf pupils ascertained during the year ..	2
No. of deaf pupils admitted to Special Schools during the year	2
Total No. of pupils in Special Schools for the Deaf as at 31.12.64	11

(d) Partially Hearing Pupils.

No. of partially deaf pupils ascertained during the year	1
No. of partially deaf pupils admitted to Special Schools during the year	1
Total No. of pupils in Special Schools for partially deaf children as at 31.12.64	9

(e) Educationally Sub-Normal Pupils.

During the year 78 children were referred to the School Medical Officer for examination of whom 45 were new cases and 33 were re-examinations.

No. of Educationally Sub-normal Children recommended for Special Schools during the year ..	27
No. of Educationally Sub-normal Children admitted to Special Schools	28
No. of children on register at Claremont Special Day School at 31.12.64	72
Total No. of children in Residential Special Schools for Educationally Sub-normal Children as at 31.12.64	10

(f) Epileptic Pupils.

No. of epileptic pupils ascertained during the year..	—
No. of epileptic pupils admitted to Special Schools during the year	—
Total No. of epileptic pupils in Special Schools for epileptic pupils	5

(g) Maladjusted Pupils.

No. of maladjusted pupils ascertained during the year	7
No. of maladjusted pupils admitted to Special Schools, etc. for maladjusted children during the year	6
Total No. of maladjusted pupils in Special Schools, Hostels, etc. as at 31.12.64	11

(h) Physically Handicapped Pupils.

No. of physically handicapped pupils ascertained during the year	4
No. of physically handicapped pupils admitted to Thornhill Special School during the year ..	4
Total No. of Physically Handicapped Pupils on register at Thornhill Special School, as at 31.12.64	20
Total No. of Physically Handicapped Pupils in Residential Special Schools for Physically Handicapped Pupils as at 31.12.64	1

XVI. SPECIAL SCHOOLS.**Thornhill Special School**

The roll at the end of the year was as follows :—

Delicate Pupils	36
Physically Handicapped Pupils ..	19
Epileptic	6
Educationally Subnormal Pupils ..	16
Maladjusted	3
	—
	80
	—

Children are transferred to Thornhill Special School for a variety of reasons but only when head teachers, parents and school medical officers are in agreement, e.g. the physically handicapped pupil may find it difficult both to get to an ordinary school and to move from one classroom to another but Thornhill School is beneficial as transport is provided and all classrooms are situated at ground level with easy access.

The child whose physical development has been slow can be upset by large classes and finds the educational environment of smaller groups at Thornhill beneficial.

Claremont Special School for E.S.N. Pupils.

During the year 18 children were admitted to the school, while 12 pupils (8 boys and 4 girls) left school on reaching the age of 16. Five boys were transferred to residential schools, and 2 boys and 1 girl were reported to the L.H.A., while two pupils (1 boy and 1 girl) left the district.

At the end of the year some 11 pupils (9 boys and 2 girls) were on the waiting list for placement in Claremont. This figure represents a decrease of 2 on the position at the 31st December, 1963.

Analysis of Intelligence Quotient (on Admission)

	84-80	79-75	74-70	69-65	64-60	59-55	54-50	Totals
Boys	4	9	13	11	13	—	2	52
Girls	—	3	7	6	3	1	—	20

XVII. NURSERY SCHOOLS.

The two Nursery Schools, Grantully and Ward Jackson provide 83 places for children aged 3-5 years.

XVIII. INFECTIOUS DISEASE.

A. No. of children aged 5-13 suffering from notifiable infectious diseases.

	1964
Measles	27
Scarlet Fever	10
Whooping Cough	3
Scarletina	1

B. No. of children suffering from non-notifiable diseases reported to School Clinic during year :—

	1964
Chicken Pox	33
Mumps	2
German Measles	3
Impetigo, etc.	1
Others (Influenza, Jaundice, etc.)	—

XIX. MORTALITY IN CHILDREN OF SCHOOL AGE.

There were seven deaths in children of school age during the year.

Sex	Age	Cause of Death
Male	5	Accident—motor vehicle—Laceration of Brain and Fracture of Skull.
Male	6	Bronchitis.
Female	9	Intra Cranial Hæmorrhage. Convulsions. Leukaemia.
Male	10	Accident—Asphyxia due to drowning.
Male	12	Accident—Asphyxia due to drowning.
Female	14	Sub-acute inclusion body encephalitis.
Male	14	Broncopneumonia, Muscular Dystrophy.

XX. EMPLOYMENT OF SCHOOL CHILDREN.

Before, or within 14 days from the date when a child begins employment, he must be medically examined to ensure that the employment will not be prejudicial to his health or physical development, and that it will not render him unfit to obtain proper benefit from his education. During 1964, 68 children were so examined and all were found fit to carry out the duties of their particular employment.

XXI. MEDICAL EXAMINATION OF TEACHERS AND ENTRANTS TO TRAINING COLLEGES.

Ministry of Education Circular 249, 1952, requires that all candidates applying for admission to training colleges and university departments of education, and all entrants to the teaching professions, be medically examined. An X-ray examination of the chest is also compulsory for those entering the teaching profession. During the year the following examinations were made in accordance with the provisions of the above circular and X-ray examinations were arranged where necessary.

Entrants to Training Colleges and University Departments of Education	64
Teachers entering service of Authority ..	25

TABLE I. PERIODIC MEDICAL INSPECTIONS.

Age groups Inspected (By year of Birth) (1)	No. of Pupils who have re- ceived a full medical examination (2)	Physical Condition of Pupils Inspected	
		Satisfactory	Unsatisfactory
		No. (3)	No. (4)
1960 and later	—	—	—
1959	915	914	1
1958	785	782	3
1957	92	91	1
1956	41	41	—
1955	28	28	—
1954	490	485	5
1953	810	805	5
1952	334	331	3
1951	12	12	—
1950	149	149	—
1949 and earlier	661	658	3
Total	4,317	4,296	21

Column (3) total as a percentage of Column (2)

total 99.51%

Column (4) total as a percentage of Column (2)

total49%

} to two places
of decimals

**TABLE II. PUPILS FOUND TO REQUIRE TREATMENT
AT PERIODIC MEDICAL INSPECTIONS**
(excluding Dental Diseases and Infestation with Vermin).

Age Groups inspected (By year of birth)	For defective vision (excluding squint)	For any of the other conditions recorded in Table IV	Total individual pupils
(1)	(2)	(3)	(4)
1960 and later	—	—	—
1959	46	130	175
1958	47	116	170
1957	3	11	15
1956	—	4	3
1955	1	3	3
1954	74	57	123
1953	74	91	181
1952	32	43	67
1951	—	3	3
1950	12	16	29
1949 and earlier	54	31	86
Total ..	343	505	855

TABLE III. OTHER INSPECTIONS.

NOTES:—

A special inspection is one that is carried out at the special request of a parent, doctor, nurse, teacher or other person.

A re-inspection is an inspection arising out of one of the periodic medical inspections or out of a special inspection.

No. of Special Inspections ..	168
No. of Reinspections ..	12
Total ..	<u>180</u>

TABLE IV. INFESTATION WITH VERMIN.

NOTES:—

All cases of infestation however slight, should be included in Table C. The numbers recorded at (b), (c) and (d) should relate to individual pupils, and not to instances of infestation.

(a) Total number of individual examinations of pupils in schools by school nurses or other authorised persons	29,372
(b) Total number of individual pupils found to be infested	1,289
(c) Number of individual pupils in respect of whom cleansing notices were issued (Section 54 (2) Education Act, 1944)	139
(d) Number of individual pupils in respect of whom cleansing orders were issued (Section 54 (3) Education Act, 1944)	231

DEFECTS FOUND BY MEDICAL INSPECTION DURING THE YEAR

TABLE V. PERIODIC INSPECTIONS

Defect Code No. (1)	Defect or Disease (2)	PERIODIC INSPECTIONS							
		Entrants		Leavers		Others		Total	
		(T)	(O)	(T)	(O)	(T)	(O)	(T)	(O)
4	Skin	48	14	15	5	55	22	118	41
5	Eyes— <i>a.</i> Vision ..	88	65	65	15	171	143	324	223
	<i>b.</i> Squint ..	16	13	1	—	17	16	34	19
	<i>c.</i> Other ..	5	6	3	—	11	1	19	7
6	Ears— <i>a.</i> Hearing ..	5	16	3	1	4	23	12	40
	<i>b.</i> Otitis Media	15	24	6	2	9	13	30	39
	<i>c.</i> Other ..	2	5	1	—	3	3	6	8
7	Nose and Throat ..	80	70	2	23	29	63	111	156
8	Speech	44	16	1	1	7	7	52	24
9	Lymphatic Glands	1	5	1	2	1	—	3	7
10	Heart	—	18	1	2	4	10	5	30
11	Lungs	12	24	1	4	9	15	22	43
12	Developmental—								
	<i>a.</i> Hernia ..	1	1	—	—	5	3	6	4
	<i>b.</i> Other ..	3	17	1	2	10	38	14	57
13	Orthopædic—								
	<i>a.</i> Posture ..	2	5	3	7	15	23	20	35
	<i>b.</i> Feet ..	3	10	2	2	13	13	18	25
	<i>c.</i> Other ..	11	7	7	2	14	11	32	20
14	Nervous System—								
	<i>a.</i> Epilepsy ..	—	4	—	—	4	1	4	5
	<i>b.</i> Other ..	7	17	1	1	12	3	20	21
15	Psychological—								
	<i>a.</i> Development	—	24	—	1	5	13	5	38
	<i>b.</i> Stability ..	3	22	—	—	6	8	9	30
16	Abdomen	5	9	—	1	5	1	10	11
17	Other	4	11	2	2	3	10	9	23

(T) Treatment

(O) Observation

TABLE VI. SPECIAL INSPECTIONS

Defect Code No. (1)	Defect or Disease (2)	Special Inspections	
		Pupils Requiring Treatment (3)	Pupils Requiring Observation (4)
4	Skin	9	10
5	Eyes— <i>a.</i> Vision ..	9	2
	<i>b.</i> Squint ..	1	—
	<i>c.</i> Other ..	—	—
6	Ears— <i>a.</i> Hearing ..	9	10
	<i>b.</i> Otitis Media	—	2
	<i>c.</i> Other ..	—	1
7	Nose and Throat ..	6	10
8	Speech	4	10
9	Lymphatic Glands	—	1
10	Heart	1	6
11	Lungs	2	7
12	Developmental—		
	<i>a.</i> Hernia ..	—	1
	<i>b.</i> Other ..	5	10
13	Orthopædic—		
	<i>a.</i> Posture ..	1	3
	<i>b.</i> Feet ..	—	1
	<i>c.</i> Other ..	4	3
14	Nervous System—		
	<i>a.</i> Epilepsy ..	—	3
	<i>b.</i> Other ..	2	13
15	Psychological—		
	<i>a.</i> Development	6	9
	<i>b.</i> Stability ..	12	5
16	Abdomen	1	1
17	Other	26	254

TABLE VII.

EYE DISEASES, DEFECTIVE VISION AND SQUINT.

	Number of cases known to have been dealt with
External and other, excluding errors of refraction and squint	349
Errors of refraction (including squint)	1,417
Total	1,766
Number of pupils for whom spectacles were prescribed	763

TABLE VIII.

DISEASES AND DEFECTS OF EAR, NOSE AND THROAT.

	Number of cases known to have been dealt with
Received operative treatment—	
(a) for diseases of the ear	77
(b) for adenoids and chronic tonsilitis	316
(c) for other nose and throat conditions	34
Received other forms of treatment	—
Total	427
Total No. of pupils in schools who are known to have been provided with hearing aids—	
(a) in 1964	5
(b) in previous years	10

TABLE IX. ORTHOPAEDIC AND POSTURAL DEFECTS.

	No. of cases known to have been treated
(a) Pupils treated at clinics or out-patients departments	23
(b) Pupils treated at school for postural defects.. .. .	16
Total ..	39

TABLE X. DISEASES OF THE SKIN (excluding uncleanliness, for which see Table IV.).

	No. of cases known to have been treated
Ringworm— (i) Scalp	2
(ii) Body	—
Scabies	63
Impetigo	21
Other Skin Diseases	50
Total ..	136

TABLE XI. CHILD GUIDANCE TREATMENT.

	No. of cases known to have been treated
Pupils treated at Child Guidance Clinics	19

TABLE XII. SPEECH THERAPY.

No. of pupils treated by Speech Therapist	333
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TABLE XIII. OTHER TREATMENT GIVEN.

	No. of cases known to have been dealt with
(a) Pupils with minor ailments	2,750
(b) Pupils who received convalescent treatment under School Health Service arrangements	—
(c) Pupils who received B.C.G. vaccination	806
(d) Other than (a), (b) and (c) above. Please specify :	
Miscellaneous Hospital Treatment ..	97
Diphtheria	2,380
Poliomyelitis	2,525
Total (a) — (d) ..	8,558

TABLE XIV.

DENTAL INSPECTION AND TREATMENT CARRIED OUT BY
THE AUTHORITY.

(a) Dental and Orthodontic work.

1. No. of pupils inspected by the Authority's Dental Officers :—

(a) At Periodic Inspections	14,096
(b) As Specials	516
Total (1) ..	14,612
2. No. found to require treatment	3,936
3. No. offered treatment	3,667
4. No. actually treated	2,503

(b) Dental work (other than orthodontics)

1. No. of attendances made by pupils for treatment excluding those recorded at C.1. overleaf	4,605
2. Half-days devoted to : Periodic (School) Inspection ..	111
Treatment	782
Total ..	893
3. Fillings : Permanent Teeth	2,098
Temporary Teeth	1,154
Total ..	3,252
4. No. of teeth filled : Permanent Teeth	1,590
Temporary Teeth	1,090
Total ..	2,680
5. Extractions : Permanent Teeth	441
Temporary Teeth	1,408
Total ..	1,849

TABLE IX. ORTHOPAEDIC AND POSTURAL DEVIATIONS		
6.	(i) Number of general anaesthetics for extraction ..	233
	(ii) Number of half days devoted to the administration of general anaesthetics by:	
	(a) Dentists	—
	(b) Medical Practitioners	21
	Total ..	<u>21</u>
7.	No. of pupils supplied with artificial teeth	20
8.	Other operations :	
	(a) Crowns	—
	(b) Inlays	—
	(c) Other treatment	1,795
	Total ..	<u>1,795</u>
(c) Orthodontics :		
1.	No. of attendances made by pupils for orthodontic treatment	966
2.	Half-days devoted to orthodontic treatment ..	90
3.	Cases commenced during the year	56
4.	Cases brought forward from the previous year ..	15
5.	Cases completed during the year	30
6.	Cases discontinued during the year	4
7.	No. of pupils treated by means of appliances ..	59
8.	No. of removable appliances fitted	70
9.	No. of fixed appliances fitted	—
10.	Cases referred to and treated by Hospital Orthodontics	—

TABLE XV.

CHILDREN FOUND TO HAVE HAD TONSILLECTOMY
BY ENQUIRY AT ROUTINE SCHOOL MEDICAL INSPECTIONS

Age Group	No. Inspected		Found to have had Tonsillectomy			
	Boys	Girls	Boys		Girls	
			No.	Percentage	No.	Percentage
1960 and later ..	—	—	—	—	—	—
1959	455	427	24	5.27	17	3.98
1958	424	363	29	6.83	24	6.61
1957	59	44	4	6.77	2	4.54
1956	15	17	1	6.66	—	—
1955	10	14	—	—	1	7.14
1954	293	190	34	11.16	14	7.36
1953	423	389	64	15.13	72	18.5
1952	141	163	20	14.18	19	11.65
1951	—	4	—	—	3	75.0
1950	125	7	15	12.0	2	28.57
1949 and earlier	214	454	39	18.22	88	19.38
Additional Periodic ..	57	31	5	8.77	3	9.67
	2,216	2,103	235	10.64	245	11.65

TABLE 77
 CHILDREN FOUND TO HAVE HAD TD/SIBS 1957
 BY ENQUIRY AT ROUTINE SCHOOL MEDICAL INSPECTIONS

Year	No. Inspected		No. Found to have had TD/SIBS		Percentage
	Total	Group	No.	Percentage	
1957	2103	2103	10	0.47	10.00
1958	214	214	2	0.93	10.00
1959	424	424	2	0.47	10.00
1960	158	158	3	1.90	10.00
1961	4	4	—	—	10.00
1962	147	147	2	1.36	10.00
1963	162	162	2	1.23	10.00
1964	202	202	4	1.98	10.00
1965	209	209	4	1.91	10.00
1966	180	180	4	2.22	10.00
1967	19	19	1	5.26	10.00
1968	50	50	4	8.00	10.00
1969	424	424	2	0.47	10.00
1970	438	438	2	0.45	10.00
1971	438	438	2	0.45	10.00
1972	438	438	2	0.45	10.00
1973	438	438	2	0.45	10.00
1974	438	438	2	0.45	10.00
1975	438	438	2	0.45	10.00
1976	438	438	2	0.45	10.00
1977	438	438	2	0.45	10.00
1978	438	438	2	0.45	10.00
1979	438	438	2	0.45	10.00
1980	438	438	2	0.45	10.00
1981	438	438	2	0.45	10.00
1982	438	438	2	0.45	10.00
1983	438	438	2	0.45	10.00
1984	438	438	2	0.45	10.00
1985	438	438	2	0.45	10.00
1986	438	438	2	0.45	10.00
1987	438	438	2	0.45	10.00
1988	438	438	2	0.45	10.00
1989	438	438	2	0.45	10.00
1990	438	438	2	0.45	10.00
1991	438	438	2	0.45	10.00
1992	438	438	2	0.45	10.00
1993	438	438	2	0.45	10.00
1994	438	438	2	0.45	10.00
1995	438	438	2	0.45	10.00
1996	438	438	2	0.45	10.00
1997	438	438	2	0.45	10.00
1998	438	438	2	0.45	10.00
1999	438	438	2	0.45	10.00
2000	438	438	2	0.45	10.00
2001	438	438	2	0.45	10.00
2002	438	438	2	0.45	10.00
2003	438	438	2	0.45	10.00
2004	438	438	2	0.45	10.00
2005	438	438	2	0.45	10.00
2006	438	438	2	0.45	10.00
2007	438	438	2	0.45	10.00
2008	438	438	2	0.45	10.00
2009	438	438	2	0.45	10.00
2010	438	438	2	0.45	10.00
2011	438	438	2	0.45	10.00
2012	438	438	2	0.45	10.00
2013	438	438	2	0.45	10.00
2014	438	438	2	0.45	10.00
2015	438	438	2	0.45	10.00
2016	438	438	2	0.45	10.00
2017	438	438	2	0.45	10.00
2018	438	438	2	0.45	10.00
2019	438	438	2	0.45	10.00
2020	438	438	2	0.45	10.00
2021	438	438	2	0.45	10.00
2022	438	438	2	0.45	10.00
2023	438	438	2	0.45	10.00
2024	438	438	2	0.45	10.00
2025	438	438	2	0.45	10.00
2026	438	438	2	0.45	10.00
2027	438	438	2	0.45	10.00
2028	438	438	2	0.45	10.00
2029	438	438	2	0.45	10.00
2030	438	438	2	0.45	10.00



