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COUNTY BOROUGH OF TYNEMOUTH

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SIXTY-FIFTH

ANNUAL REPORT

OF THE

Medical Officer of Health

1945.



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COUNTY BOROUGH OF TYNEMOUTH

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SIXTY-FIFTH

# ANNUAL REPORT

OF THE

## Medical Officer of Health

1945.



COUNTY BOROUGH OF TYNE AND DARLINGTON

SIXTY-FIFTH

ANNUAL REPORT

OF THE

Medical Officer of Health

1945

County Borough of Tynemouth,  
**HEALTH COMMITTEE.**

---

THE MAYOR—Councillor TIMOTHY DUFF, A.C.I.S.

**Chairman :**

Councillor W. R. FORSTER.

**Deputy Chairman :**

Councillor G. C. BARBER.

**Members :**

Alderman Mrs. FRATER, J.P.	Councillor FAIRBAIRN.
„ HARRISON, J.P.	„ FORSTER.
„ PARK, J.P.	„ LITTLE.
Councillor BARBER, G. C.	„ MORALEE.
„ BARBER, MRS. M.	„ STANGER.
„ BRIDGER.	„ STORER.
„ BURNETT.	„ THEWLES.
„ CHAMBERS.	„ WALSH.

---

R. H. DAWSON, M.B., CH.B., D.P.H. (Edinburgh).

**Medical Officer of Health,**

**Chief Medical Adviser to the Local Authority,**

**Chief Medical Officer to the Education Authority,**

**Administrative Tuberculosis Officer,**

**Medical Superintendent of Infectious Diseases and Smallpox Hospitals**

**and**

**Vaccination Officer.**



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# ANNUAL REPORT, 1945.

## SECTION A.

### STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

#### SOCIAL CONDITIONS.

Area (Acres) (Exclusive of 80 Acres covered by inland water)...	4,604
Population (1931 Census) ... ..	64,922
Population (Estimated 1945 by Registrar General) ... ..	58,760
Total dwellings (occupied and vacant) 1931 census ... ..	13,635
Number of private families therein. 1931 Census ... ..	16,079
Average number of persons per family. 1931 Census ... ..	3.86
Rateable Value (1st April, 1945) ... ..	£424,594
Sum represented by a penny rate ... ..	£1,653
Amount expended in out-relief 1945 ... ..	£18,673

#### VITAL STATISTICS FOR THE YEAR 1945.

##### Marriages and Births.

Number of Marriages ... ..	631
Total LIVE BIRTHS (Registrar General's figures) ... ..	1,144

Compiled as follows :—

	<i>Males.</i>	<i>Females.</i>
Legitimate ... ..	560	481
Illegitimate ... ..	47	56
	607	537

The NETT TOTAL BIRTHS assignable to the Borough as above (1,144) gives an ANNUAL LIVE BIRTH RATE of 19.47 per 1,000 of the population.

The LIVE BIRTH RATE for England and Wales was 16.1 per 1,000 of the population.



STILLBIRTHS during the year totalled ... .. 38

Compiled as follows :—

	<i>Males.</i>	<i>Females.</i>
Legitimate ... ..	15	17
Illegitimate ... ..	1	5
	<hr/>	<hr/>
	16	22

The STILLBIRTH RATE for the Borough was 33.22 per 1,000 live births.

The STILLBIRTH RATE per 1,000 of the population for the Borough equalled 0.65.

The STILLBIRTH RATE per 1,000 of the population for England and Wales equalled 0.46.

The Percentage of ILLEGITIMATE LIVE BIRTHS to the total live births for the Borough equalled 9.00.

#### DEATHS.

DEATHS assignable to the Borough during the year totalled ... 797

Compiled as follows :—

<i>Males.</i>	<i>Females.</i>
447	350

The DEATH RATE per 1,000 of the population for the Borough equalled 13.56.

The DEATH RATES per 1,000 of the population for England and Wales, and the Great Towns were 11.4 and 13.5 respectively.

#### INSTITUTIONAL DEATHS.

Deaths of persons belonging to the Borough which occurred in PUBLIC INSTITUTIONS were as follows :— ... ..

Preston Hospital ... ..	210
Tynemouth Victoria Jubilee Infirmary ...	48
Moor Park Isolation Hospital ... ..	11
Grosvenor Nursing Home... ..	1
Other Institutions outside the Borough....	43
	<hr/>
	313
	<hr/>

39.27% of all deaths of residents of the Borough took place in Public Institutions.

**PRINCIPAL CERTIFIABLE CAUSES OF DEATH.**

	No. of Deaths.	Proportion of Deaths per 1,000 Deaths from all causes.
<b>Diseases of Circulatory System.</b>		
Disease of the heart ... ..	211	264.74
Intra-cranial Vascular Lesions	95	119.20
Other Circulatory Diseases ...	29	36.39
<b>Respiratory Diseases.</b>		
Pneumonia ... ..	33	41.41
Influenza ... ..	1	1.25
Bronchitis ... ..	27	33.88
Other Respiratory Diseases ...	14	17.57
<b>Tuberculosis.</b>		
All forms ... ..	59	74.02
<b>Cancer and Malignant Diseases.</b>		
All forms ... ..	95	119.20
<b>Deaths from all causes</b>	<b>Total 797</b>	

**MATERNAL MORTALITY.**

2 MATERNAL DEATHS occurred during the year, giving a mortality rate of 1.75 per 1,000 live and still births.

**COMPARATIVE TABLE OF MATERNAL DEATHS FOR PAST 10 YEARS.**

Year.	Births.	Birth Rate.	TYNEMOUTH.		England and Wales Maternal Mortality per 1,000 live and stillbirths.
			No. of Maternal Deaths (R.G.).	Maternal Mortality per 1,000 live and stillbirths.	
1936	1,209	18.10	4	3.31	3.81
1937	1,087	16.25	2	1.84	3.23
1938	1,104	16.60	5	4.50	3.08
1939	1,119	16.70	2	1.74	2.93
1940	1,060	17.74	6	5.47	2.16
1941	897	15.95	3	3.21	3.87
1942	908	16.97	2	2.08	2.08
1943	1,019	19.45	2	1.96	2.29
1944	1,252	21.90	0	0.00	1.93
1945	1,144	19.47	2	1.75	1.79
Average*	1,080	17.91	2.8	2.59	2.72

\* Mean of 10 years.



**NEO-NATAL MORTALITY.**

48 NEO-NATAL DEATHS gave a Mortality Rate (of infants under one month of age per 1,000 live births), of 41.95. 29 of these deaths occurred in Institutions.

**DEATHS FROM PUERPERAL CAUSES.**

	No.	Rate (per 1,000 total live and stillbirths).
Puerperal Sepsis ... ..	0	0.00
Other Maternal causes ... ..	2	1.69

**INFANTILE MORTALITY RATES OF INFANTS UNDER ONE YEAR OF AGE.**

Deaths of infants under one year of age totalled 78, which gives an INFANTILE MORTALITY RATE of 68 deaths per 1,000 live births.

The INFANTILE MORTALITY RATES for England and Wales and for the Great Towns were 46 and 54 respectively.

Death Rates of Legitimate Infants, per 1,000 legitimate live births ... .. 68

Death Rates of Illegitimate Infants, per 1,000 illegitimate live births ... .. 68

Amongst children of all ages, measles caused 2 deaths, and whooping cough 1 death. Diarrhoea caused 8 deaths amongst children under 2 years of age.

**SECTION B.****GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.****MEDICAL PRACTITIONERS.**

There are 23 doctors resident in the County Borough of Tynemouth who are engaged in private practice.

**LABORATORY FACILITIES.**

In previous years, all the more common bacteriological investigations (*e.g.*, swabs for *C. Diphtheria*, Sputum for Tubercle Bacilli, etc.), were carried out at the Public Health Department Laboratory, North Shields, by members of the Public Health Department medical staff, whilst the more technical procedures, including the examination of water and milk samples, etc., were carried out at King's College Laboratory, Newcastle.



With the exception of hospital clearance swabs, 491 of which were examined during the year at the laboratory of the Infectious Diseases Hospital, Moor Park, North Shields, all bacteriological specimens were examined at the Central Public Health Laboratory at King's College, Newcastle, under a joint scheme, inaugurated in August, 1944, incorporating the authorities of Newcastle, Gateshead, Durham County and Tynemouth.

Details of specimens examined at the Central Public Health Laboratory, are as follows :—

(1) Swabs for C. Diphtheria .....	1,129
(2) Throat Swabs for Streptococci .....	56
(3) Sputum for Tubercle Bacilli .....	383
(4) Blood for Widal Reaction .....	20
(5) Excreta for enteric and dysenteric organisms .....	44
(6) Bacteriological Examinations of Milk .....	227
(7) Bacteriological Examinations of Water .....	8
(8) Chemical Examinations of Water .....	1
(9) Ante-Natal Blood Tests for Wassermann Reaction ...	461
(10) Miscellaneous Examinations.....	35
Total.....	<u>2,364</u>

## HOSPITALS AND INSTITUTIONS.

### FACILITIES AVAILABLE AT HOSPITALS IN THE COUNTY BOROUGH OF TYNEMOUTH.

#### Preston Hospital.

An agreement as to joint usage of this Hospital with the Northumberland County Council has been extended until 1950.

The figures given below show the number of patients treated, and the nature of the disease dealt with, in Preston Hospital, during the year 1945, and relate to all patients admitted from both the County Borough of Tynemouth, and the County Council of Northumberland.

#### Preston Hospital—General Statistics.

Number of beds available ... ..	488
Number of patients admitted during the year ... ..	3,662
Number of patients discharged and died ... ..	3,700
Number of deaths during the year ... ..	508
Average number of beds occupied ... ..	335
(Highest 374 on 31/1/45 ; Lowest 301 on 26/12/45).	
Number of patients seen at Venereal Diseases Clinic ... ..	538
Number of attendances at V.D. out-patient department... ..	8,347
Number of surgical operations under general anaesthetic ... ..	778



**Preston Hospital.**

	C.B.	C.C.	Total.
Number of children, including children suffering from Tuberculosis, admitted from 1/1/45 to 31/12/45 ... ..	548	369	917
Number of Maternity Patients admitted from 1/1/45 to 31/12/45 ... ..			730
Number of patients seen ante-natally ... ..	418	219	637
Total number of visits by ante-natal patients ...	2651	1120	3771
Number of X-Ray Examinations (Preston Hospital) ... ..			2000

**Statistical Table relating to In-Patients from Tynemouth County Borough and Northumberland County Council from 1st January to 31st December, 1945.**

	County Borough.	County Council.
1. Total number of admissions ... ..	2,023	1639
2. Number of women confined in Hospital ...	464	266
3. Number of live births ... ..		707
4. Number of stillbirths ... ..	22	9
5. Number of deaths among newlyborn (In Hosp.) (i.e. under four weeks old) ... (Others)	—	—
6. Total number of deaths among children under one year ... ..		50
7. Number of Maternal Deaths ... ..	2	1
8. Total number of deaths ... ..		508
9. Number of patients discharged ... ..		3192
10. Number of beds occupied :—		
(a) Average during period ... ..		335
(b) Highest—on 31/1/45 ... ..		374
(c) Lowest—on 26/12/45 ... ..		301
11. Number of surgical operations under general anaesthetic (excluding dental operations) ...		778
12. Number of abdominal sections... ..		218

**Tynemouth Victoria Jubilee Infirmary.**

The following is a summary of the work performed in the Infirmary during 1945.

Total patients treated ... ..	7,692
(In-patients 1,692 ; Out-patients 6,000).	
Operations under general anaesthesia ... ..	1,876
Patients treated in Massage and Electrical Department (10,019 visits) ... ..	575
Examinations in X-Ray Department ... ..	6,980
Specimens Examined in Laboratory ... ..	493



### Frater Maternity Home.

This Maternity Home is under the control of the Public Health Committee, and is administered in co-operation with the Tynemouth Victoria Jubilee Infirmary, one Matron acting for both Institutions. General Practitioners attend their own patients in the Home.

150 patients were admitted during the year, resulting in 149 confinements, 1 of which was a stillbirth. The total live births were 148 of whom 70 were males and 78 females.

Average duration of residence per patient was 13.76 days. Medical Aid was summoned in 37 cases, 33 for the Mother and 4 for the Child. There were no Maternal Deaths during the year. Number of infant deaths within 10 days of birth, Nil.

### Balkwell Smallpox Hospital.

This Hospital has now been made available for the admission of Smallpox Cases. During the year, one case, subsequently diagnosed as Chickenpox, was admitted for observation.

### Moor Park Hospital.

TABLE SHOWING ADMISSION, DISCHARGES AND DEATHS DURING 1945.

Disease.	Patients in Hospital on 1/1/45.	Admitted.	Discharged.	Died.	Remaining in Hospital, 31/12/45.
Diphtheria ...	19	106	114	3	8
Scarlet Fever ...	5	75	77	—	3
Tuberculosis ...	15	25	22	6	12
Enteric Fever ...	—	4	3	1	—
Measles ...	5	—	5	—	—
Other Cases ...	1	20	21	—	—
Totals ...	45	*230	242	10	23

\* Of the 230 cases admitted during the year, 18 were Service Cases, viz. : 7 Tuberculosis; 4 Diphtheria; 2 Scarlet Fever; 3 Chickenpox; 1 Diphtheria Carrier and 1 Dysentery.

The total number of days spent in hospital by patients during the year was 12,630 or an average of 45.92 days per patient.

### REGISTRATION OF NURSING HOMES.

There are 2 Nursing Homes in the Borough registered under the Public Health Act, 1936, 1 of which was registered during the year. Beds available in these homes total 25.



### INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS AND ILLEGITIMATE INFANTS, HOMELESS CHILDREN, AND OTHER CHILDREN.

Under the above provisions, the following work was done during the year.

**Tynemouth Rescue and Preventive Association.** (Voluntary—Subsidised by Council). Cases investigated 88; Cases placed in homes 12; Visits paid 898; and Visits received 215.

#### Public Assistance Committee, Tynemouth County Borough.

Admitted to Homes:— Orphans 3; Illegitimate Children 4; Others 73; Total 80.

Admitted to Institution:—Unmarried Mothers 30; Illegitimate Children 46; Total 76.

### INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

The following table shows the Institutions used by the Local Authority and the number of patients under treatment at the end of 1945.

		Prudhoe Hall Colony. Northumb'land N.E. Co. Boro Joint Board.	Harton Poor Law Institution. South Shields Co. Boro.	*Howbeck House Poor Law Institution. W. Hartlepool Co. Boro.	Durran Hill House, Carlisle. R.C. Certified Institution.	Mosside State Inst'n., Maghull, Liverpool, Board of Control for violent cases.
Feeble-minded	M.	34	2	—	—	2
	F.	24	—	1	—	—
Imbeciles	M.	11	2	—	—	—
	F.	8	—	—	1	—
Idiots	M.	1	—	—	—	—
	F.	1	—	—	—	—

\* Part of premises a certified institution.

Mental Defectives are also admitted from time to time to Preston Road Institution, North Shields as a "place of safety" pending removal to an approved Institution.

In addition the following cases are under Statutory Supervision:—

Males 39; and Females 43; (including 7 on leave of absence on licence in the Borough).

### BLIND PERSONS.

The total number of Blind Persons on the Register at the end of the year was 147. Under Section 176 of the Public Health Act, 1936, for the prevention of blindness and for the treatment of eye disease or injury, 6 cases were examined, none of which were re-examinations.



## MATERNITY AND CHILD WELFARE.

MARGARET B. STEEL, M.B., Ch.B., D.P.H.,  
Maternity and Child Welfare Medical Officer.

### MUNICIPAL MIDWIFERY SERVICE.

This scheme, instituted in accordance with the provisions of the Midwives Act, 1936, has continued to give satisfactory service throughout the period under review, during which time 320 births were attended by Municipal Midwives, who attended 298 as Midwife, and 22 in the capacity of Maternity Nurse.

The daily Ante-Natal Clinics, held at the Public Health Department, at which the Municipal Midwives attend on set days for the convenience of their own patients, were quite well attended, and a total of 461 new cases were examined. Abnormalities found to be present in the condition of a patient are immediately reported by the Maternity and Child Welfare Medical Officer to the patient's own medical practitioner, and during 1945 there were 2 such cases reported.

Ante-Natal Clinics were also held at the Tynemouth Victoria Jubilee Infirmary, and at Preston Hospital, for the convenience of patients booking at these Institutions, and the following table shows the total Ante-Natal Clinical Attendances for the year.

Centre.	Total New Cases.	Total Attendances.	Average Attendances.
Municipal Clinic ...	461	2,675	5.80
Preston Hospital ...	730	3,771	5.16
T.V.J. Infirmary ...	59	200	3.40
Totals ...	1,250	6,646	5.31

31 Midwives notified their intention to practice in the County Borough of Tynemouth Area, in addition to the seven Midwives engaged in the Municipal Midwifery Service, and a total of 1,596 cases were attended, 514 of which were attended as Maternity Nurse.

A summary of attendances is given below :—

Municipal Midwives attended as	midwife ... ..	298	} 320
"	maternity nurse...	22	
Institutional Midwives	midwife ... ..	739	} 1105
(Preston Hosp, T.V.J.I. and Frater Home)	maternity nurse...	366	
Private Midwives	midwife ... ..	45	} 171
"	maternity nurse...	126	



**MEDICAL AID.**

In accordance with the regulations of the Central Midwives' Board, Medical Aid was summoned in 133 cases, 109 for the Mother, and 24 for the Child.

**NOTIFICATION OF BIRTHS.**

A total of 1,596 births were registered during the year (1,551 live and 45 stillbirths), and were notified as follows :—

Notified by Doctors ... ..	29
Notified by Midwives ... ..	1,565
Notified by Others ... ..	2

2 births were not notified, but immediately on the requirements of the Notification of Births Act being brought to the notice of the persons concerned, these were officially intimated.

**PUERPERAL PYREXIA.**

3 cases were notified during the year, 2 of which were admitted to Hospital.

Of the total cases notified :—

3 were attended at birth by Midwives.

Nil. " " " Doctors.

None of these cases attended Ante-Natal Clinics.

**POST-NATAL CLINICS.**

No special Post-Natal Clinics are held at the Public Health Department, as patients prefer to attend the Child Welfare Clinics held three times per week, during the afternoon, when they attend with their children. Opportunity has been given during the past year for mothers to make Post-Natal enquiries at these afternoon sessions, and a fair average of cases have been examined, and advice given.

**ULTRA-VIOLET LIGHT CLINICS.**

Clinics are held twice each week at the Public Health Department. Conditions treated during the past year were, Rickets 5; Debility and Anaemia 13; Other Causes 18; a total of 36 cases, who made 633 attendances.

**MILK (MOTHERS AND CHILDREN) ORDER.**

A Milk Depot, administered by the Local Authority, and assisted by Voluntary Workers, is in operation, and provides for necessitous pregnant and nursing mothers, and children under 1 year of age. During the year a total of 24,506 lbs. of Dried Milk was distributed at cost price.

The total amount expended by the Local Authority on the purchase of Dried Milk during the year was £2,375. 8s. 0d. In addition under the National Dried Milk Scheme 17,935 lbs. were distributed.



**CHILD WELFARE.**

Three Clinics are held weekly for the weighing of children, whilst consultations concerning the health and feeding, together with general advice, are given to mothers.

Treatment for ear, nose and throat conditions are now referred to the Newcastle Throat Nose and Ear Hospital, Rye Hill, Newcastle. Treatment for defective vision is given at the Schools' Clinics and facilities are available for the prescriptions of spectacles. Dr. R. M. White (assistant M.O.H.) has, since the retirement in February, 1943, of Dr. J. McConnell, carried out the duties of Acting Schools Medical Officer and has been assisted by Dr. Margaret B. Steel (Maternity and Child Welfare Officer). At the Tynemouth Victoria Jubilee Infirmary, cases of Dental caries are also treated. Minor operative or any surgical treatment is also available at the Out-Patient Department of this Infirmary.

**CARE OF PREMATURE INFANTS.**

Out of a total number of 90 notified cases of prematurity, 77 were born in hospital, where facilities were available for their adequate care.

**CARE OF ILLEGITIMATE CHILDREN.**

As in previous years special attention has been given by the Health Visiting staff to the close supervision of this class of children. In addition the Visitor of the Tynemouth Rescue and Preventive Association has devoted much time to the surveillance of homes where there are illegitimate children.

**PROMOTION OF CLEANLINESS AMONGST YOUNG CHILDREN.**

Special attention has been given by the Health Visitors and School Nurses to reduce the incidence of verminous conditions. Much work relating to disinfection of children is carried out regularly at both the Schools Clinics and at the Maternity and Child Welfare Centre.

**HEALTH VISITING AND INFANT HYGIENE.**

6,851 visits were made by the Health Visitors during the year, and a summary of these visits is given below :—

Infants under 1 year : First visits 1,140 ; Re-visits 1,688 ...	2,828
Infants between one and five years ... ..	3,991
Ante-Natal Cases Visited ... ..	32
	<hr/>
	6,851
	<hr/> <hr/>

During the year, 92 visits were made by the nurses engaged in the County Nursing Association Scheme for Home Nursing.



The following table shows the number of children on the register and the number of re-visits made during the year in each age group (Nett births in the area during 1945 numbered 1,144) :—

Age Periods.	Number on Register, December, 1945.	Number of Re-visits made during 1945, by H V.	No. receiving Medical Inspection at M. & C.W. Centre.	No. of attendances for Medical Inspection during 1945.
0-1 year ...	846	1,688	969	5,142
1-2 " ...	636	1,149	513	1,394
2-3 " ...		1,056		
3-4 " ...		844		
4-5 " ...		942		

#### INFANT LIFE PROTECTION.

Infant Life Protection is administered the Health Visiting staff of the Public Health Department who are assisted in this work by 2 Tuberculosis Nurses, and 3 School Nurses.

Total Number of Child Protection Visitors ...	10
Number of persons or authorities who were receiving children for reward at the end of the year ...	7
Number of children (i) at the end of the year ...	7
(ii) who died during the year ...	Nil.

#### Adoption of Children (Regulation) Act, 1939.

Number of persons who gave notice under Section 7 (3) during the year ...	Nil.
Total Number of children "adopted" under the Section during the year ...	Nil.
Number of such children	
(i) Under supervision at the end of the year ...	Nil.
(ii) who died during the year ...	Nil.

#### NURSERY SCHOOLS.

There are two Nursery Schools in the Borough, administered by voluntary committees. Both schools have places for 80 children. During the war years they were closed and the children evacuated to the country. One of the schools was re-opened during the latter part of the year, and it is hoped that the second will re-open in 1946, when it will be de-requisitioned by the Admiralty.

A war-time Day Nursery which was opened in 1943 and which has accommodation for 36 pre-school children has been utilised to capacity throughout the year. Dr. Margaret B. Steel, the M. and C.W. Medical officer, acts as Honorary Medical Advisor to the three establishments.



**SECTION C.**  
**SANITARY CIRCUMSTANCES OF THE AREA.**

**WATER.**

The water supply for domestic and general use in the County Borough of Tynemouth is provided by the Local Authority Water Undertaking, which is also responsible for the furnishing of water supplies to several other areas in South East Northumberland. The quantity available, has, up to the present, been adequate for all needs.

The water is derived from two principal sources, namely, an upland moorland catchment area and from springs. Surface water constitutes approximately 75% of the total quantity, the remaining 25% being of spring origin. Both of these sources are situated approximately 25 miles from the Borough. The Surface water is filtered and chlorinated at the works adjacent to the impounding reservoir. The supply is then joined by the spring water some eight miles from the works.

The supply is distributed to the town from six service reservoirs. Of these, three are covered, and three uncovered. Secondary chlorination is carried out at one of the open service reservoirs.

During the year under review 8 samples of water obtained from the source of domestic supply were examined bacteriologically, whilst one sample was investigated chemically.

In the case of the bacteriological samples, two related to the spring supply and one was an untreated sample from the impounding reservoir. The latter was unsatisfactory.

One of the samples from the pipe line proved unsatisfactory, presumably as a result of extraneous contamination.

Several samples of water were obtained from the bathing pools and from the industrial salt water supply derived from the river estuary, the use of which has now been discontinued owing to its entirely unsatisfactory character.

Specimen results of typical analyses are as follows:—

**BACTERIOLOGICAL EXAMINATION.**

Date:—17th June, 1945.

Drawn from draw tap in yard through lead service pipe from cast iron main at 223 New York Road, New York, Northumberland

**PLATE COUNT.**

(a) At 37° C. (2 days' incubation) : 1 colony per ml.  
(b) At 20°—22C° (3 days' incubation) : 15 colonies per ml.

**PRESUMPTIVE COLIFORM COUNT.**

Probable number of coliform bacilli present : 0 per 100 ml. of water. Bacteriologically this is a satisfactory sample of water.

**CHEMICAL ANALYSIS.**

Date received 7/6/45. Sample marked "Drawn from tap at Harbottle's Buildings, New York. 7th June, 1945."

<b>Chemical Results.</b>	Parts per 100,000.					
Total solids dried at 180°C.	...	...	...	...	...	15.0
Chlorine as chlorides	...	...	...	...	...	1.42
Free ammonia	...	...	...	...	...	0.001



	Parts per 100,000.
Albuminoid ammonia ... ..	0.005
Nitrogen as nitrates ... ..	0.060
Oxygen absorbed (4 hours at 80° F.) ... ..	0.710
Total hardness ... ..	7.0
Permanent hardness ... ..	1.2
Temporary hardness ... ..	5.8
Lead and Copper ... ..	None.
Iron ... ..	None.
Appearance and Colour ... ..	Deep brownish yellow, and clear.
Smell and Taste ... ..	Satisfactory.
Microscopical examination of deposit ... ..	Satisfactory.
pH value ... ..	6.8
Lead solvency ... ..	0.12

**Report :—**

This sample of water is of satisfactory organic purity, the high oxygen absorbed figure being due to organic matter in solution ; microscopically also it is good, there being a few fragments only of vegetable matter.

The water contains no lead and the lead solvency to fresh clean lead is normal for this supply.

I am of the opinion that the water is suitable for a Public Supply.

(Signed) W. GORDON CAREY.

June, 1946.

The number of dwelling houses supplied from piped water mains is approximately 16,000. It is estimated that 11,500 of these are supplied direct to the house, whilst the remaining 4,500 (approx.) are dependent upon outside taps in yards, etc.

### **SANITARY INSPECTION OF THE BOROUGH.**

C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection,  
Senior Sanitary Inspector.

PUBLIC HEALTH DEPARTMENT,  
TYNEMOUTH,

JUNE, 1946.

To THE MAYOR, ALDERMEN AND COUNCILLORS,  
YOUR WORSHIP, LADIES AND GENTLEMEN,

I beg to submit herewith, my Annual Report on the Sanitary Inspection of the Borough for the year 1945.

I take this opportunity of thanking the Health Committee and all colleagues for their helpful co-operation and keen interest in all work undertaken during the year.

In addition, I have much pleasure in placing on record, my deep appreciation of the services of Mr. E. E. Milburn, a member of my Staff, who retired on 6th October, 1945, after 31 years with this Department.

I have the honour to remain,

Your obedient Servant,

C. A. MURRAY,

*Senior Sanitary Inspector.*



**SANITARY INSPECTION.**

Total number of inspections made	...	...	...	...	10,794
Total number of re-inspections made	...	...	...	...	3,145
<b>Dwellinghouses.</b>				Inspec- tions.	Re- inspections.
Ordinary	...	...	...	1084	2
Infectious Diseases	...	...	...	353	42
Housing Act (Sec. 9, 10 and 16)	...	...	...	58	44
" (Special Surveys)	...	...	...	1	—
" (Overcrowding)	...	...	...	24	—
<b>Sanitary Conveniences.</b>					
Water Closets	...	...	...	449	300
Privies and Tub Closets	...	...	...	8	1
Urinals	...	...	...	40	—
<b>Refuse Storage.</b>					
Accumulation	...	...	...	44	30
Ashbins	...	...	...	11	4
Ash-places	...	...	...	19	—
<b>Drains.</b>					
Inspections	...	...	...	569	496
Smoke Tests	...	...	...	216	12
Chemical Tests	...	...	...	32	4
Water Tests	...	...	...	33	5
Sewers	...	...	...	133	12
Cesspools	...	...	...	2	—
<b>Factories and Workplaces.</b>					
Factories with mechanical power	...	...	...	122	16
Factories without mechanical power (exclud- ing Bakehouses, including Stables, Rest- aurant kitchens, etc.)	...	...	...	36	—
Bakehouses with mechanical power	...	...	...	42	—
Bakehouses without mechanical power	...	...	...	25	1
Outworkers	...	...	...	1	—
<b>Miscellaneous.</b>					
Cinemas	...	...	...	69	—
Civil Defence Services and War Damage	...	...	...	51	—
Billets—H.M. Forces	...	...	...	6	1
Butchers' Shops and Depots	...	...	...	161	1
Dairies, Milk Shops, Stores and Cowsheds	...	...	...	333	15
Dangerous Structures	...	...	...	8	23
Fish Merchants' Shops and Stores	...	...	...	160	—
Ice Cream Premises	...	...	...	28	—
Lodging Houses	...	...	...	42	—
Meetings with Owners or Tradesmen	...	...	...	423	—
Miscellaneous Visits	...	...	...	122	36
Offensive Trades, including Fish Frying	...	...	...	88	—
Piggeries	...	...	...	32	1
Slaughterhouses, Private	...	...	...	—	—
Special Notices of Slaughter	...	...	...	18	—
Smoke Observation	...	...	...	7	—

Shops Act Inspections	...	...	...	268	1
Special Visits	...	...	...	308	—
Sanitary Inspections	...	...	...	356	2
Visits under Rats and Mice Destruction Act				409	321
Cooked Food Preparers	...	...	...	132	2
Street Gullies	...	...	...	46	1
Yards and Courts	...	...	...	5	2
Streets and Back Roads	...	...	...	4	1
Verminous Premises	...	...	...	87	86
Animals, Poultry, etc.	...	...	...	35	8
Nuisances	...	...	...	873	2,616
Meat and Foods Inspections	...	...	...	357	11
Fish Quay	...	...	...	58	—
Fish Curers	...	...	...	62	—
Premises where work has been carried out by verbal notice	...	...	...	83	—

**Complaints.**

Matters referred to other Departments	...	...	...	78
Complaints received	...	...	...	1034
Complaints confirmed	...	...	...	876
Nuisances found...	...	...	...	873

**Nuisances and Defects Remedied during 1945.**

	Public Health Acts.		Housing Acts.	Tynemouth Corporat'n. Act.
	Informal.	Statutory.	Statutory.	Statutory.
No. of defects remedied under 1944 notices	340	84	—	—
Informal notice defects transferred to statutory notices...	199	—	—	—
No. of defects remedied under 1945 notices...	605	52	—	224
No. of defects outstanding at end of 1945 ...	395	124	170	4

**THE FACTORY ACT, 1937.—Inspections.**

Type of Premises.	Number of		
	Inspections.	Written Notices.	Occupiers Prosecuted.
Factories with mechanical power	180	3	—
Factories without mechanical power	62	—	—
Other premises under the Act (excluding Outworkers' premises)	—	—	—
Totals	242	3	—



The following defects were dealt with on receipt of notices from H.M. Inspector of Factories, and remedied in the course of inspections.

Particulars.	Number of Defects.			No. of defects in respect of which Prosecutions were instituted.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness (S. 1) ...	—	—	—	—
Overcrowding (S. 2) ...	—	—	—	—
Unreasonable temperature (S. 3) ...	—	—	—	—
Inadequate ventilation (S. 4) ...	—	—	—	—
Ineffective drainage of floors (S. 6)	—	—	—	—
Sanitary conveniences (S. 7) :—				
Insufficient ... ..	1	1	—	—
Unsuitable or defective ...	—	—	—	—
Not separate from sexes ...	—	—	—	—
Other offences ... ..	2	2	—	—
Totals ... ..	3	3	—	—

There was a total of 227 factories on the Register at the end of the year, 153 with mechanical, and 74 without mechanical power.

#### **OUTWORKERS.**

One notice under Section 110 of the Factories Act, 1937, was received during the year, and on inspection, the premises were found to be in a satisfactory condition.

#### **MEANS OF ESCAPE IN CASE OF FIRE.**

Under the provisions of Section 34 (1) factories of certain categories are now required to be certified by the Council as having adequate means of escape in case of fire. 24 certificates were issued during the year.

#### **BAKEHOUSES.**

There were 47 premises on the Register at the end of the year, all of which were inspected regularly. It was not necessary to serve any notices during the year.

#### **SHOPS ACT, 1934 (Section 10).**

Under the provisions of the above Act, 269 visits were made to inspect sanitary conveniences and other arrangements for the welfare of the assistants.

#### **RAT AND MICE (DESTRUCTION) ACT, 1919.**

During the year, 730 visits were made to 263 premises for the purpose of ascertaining rat infestation. 19 notices were served with successful results in certain difficult cases. The remedy of drainage and structural defects, together with the use of traps, poison bait, etc., resulted in the majority of the premises being cleared. All work was carried out by the Sanitary Inspectors, with the help of two trained operators from the Borough Surveyor's Department.



One Maintenance Treatment for rats in sewers was carried out between 10th December and 22nd December, 1945. This consisted of two days pre-bait, and one day poison bait. Of the 31 separate sections of sewers, only 10 showed signs of needing re-treatment, and the Ministry of Food, to whom the matter was reported, was satisfied that the usual second treatment at the end of six months would be adequate.

Since the commencement of the Sewer Treatment in 1944, which was applied simultaneously by all local Authorities in the area, known infestation has decreased considerably. This is reflected in the number of complaints received annually falling from 247 in 1944 to 179 in 1945. In 53 cases, traps were left, and a total of 146 rats and mice caught, and the premises cleared.

During the year, Corporation owned properties, including tips, were treated, and privately owned works and other premises carried out treatments either by direct labour, or by servicing companies. With regard to Corporation tips, these are regularly treated by the Cleansing Department, using Cyanide Gas treatment. Controlled tipping keeps the infestation to a minimum. Farms and small holdings are supervised by the War Agriculture Committee (Rodent Officer), and, as far as the shortage of labour permits, have received attention. Business premises with a high risk of infestation have been visited, and satisfactory methods of extermination are in operation in all cases.

The Divisional Rodent Officer of the Ministry of Food visited the Borough on a tour of inspection, and was satisfied that the state of infestation in the Borough gave no reason for any undue concern.

#### **MOSQUITO CONTROL.**

Inspections have been carried out periodically of possible breeding grounds including static water supplies. Specimens of insects and larvae have been collected and submitted for examination. No Mosquitoes have been identified.

#### **ERADICATION OF BED BUGS.**

(1) (a)	Number of Council Houses	...	...	...	5
(b)	Number of Other Houses	...	...	...	22
(c)	Total number of Houses infested	...	...	...	27
(d)	Number of Houses de-infested	...	...	...	27

(2) The methods employed for freeing infested houses from Bed bugs :—Spraying with Insecticide (Zaldecide) after preparation of room e.g., stripping off wallpaper and removing skirting boards, etc., Infested bedding de-infested at Steam disinfector.

(3) The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council Houses :—Six hours concentrated fumigation with Sulphur Dioxide (2.8% S.O.) Gas being kept circulating by means of Electric Fans.

(4) Whether the work of deinfestation is carried out by the Local Authority or by a Contractor :—All deinfestation is carried out by experienced men employed directly by the Local Authority.

Deinfestation of privately-owned and occupied property is not carried out by the Department. The services of a Sanitary Inspector are given in an advisory capacity, spray being loaned free of charge, and insecticide sold at cost price.



**SEAMEN'S AND COMMON LODGING HOUSES.**

There were three Seamen's Lodging Houses on the Register at the end of the year, containing a total of 59 beds. 42 visits were made during the year. The Chief Constable also made inspections during the year and reported his satisfaction.

**THEATRES, MUSIC HALLS, etc.**

69 inspections were made in connection with ventilation, sanitation or cleanliness of cinemas. The Chief Constable, who is the Inspector of Public Buildings has also had inspections made and has reported no complaints of defects or irregularities to this Department.

**RAG FLOCK ACT, 1911 AND 1928.**

No samples were obtained during the year.

**OFFENSIVE TRADES.**

Regular inspections have been made on premises at which Offensive Trades are carried on, and the Regulations have been strictly enforced. A list of Offensive Trades registered in this Borough is given below:—

Tallow Melting	...	...	...	1
Fish Liver Boiling	...	...	...	1
Fish Meal Manufacture	...	...	...	1
Tripe Boiling	...	...	...	5
Fish Manure Manufacture	...	...	...	1
Gut Scraping	...	...	...	1
Fish and Potato Frying	...	...	...	26
				—
Total	...	...	...	36
				—

**INSPECTION AND TESTING OF DRAINS.**

The total number of tests made during the year was 281 of which 216 were Smoke Tests, 32 Chemical Tests and 33 Water Tests. The drains and sanitary conveniences of new buildings are dealt with by the Borough Surveyor's Staff.

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

There were no new dwellings erected under the Corporation Housing Scheme during the year.

**NEW HOUSES ERECTED DURING 1945.**

(A) Total number of Houses Erected:—

(1) By the Local Authority	...	...	...	Nil.
(2) By other Local Authorities	...	...	...	Nil.
(3) By other bodies or persons	...	...	...	Nil.

(B) Houses erected with State Assistance under the Housing Acts (Included in A above).

(1) By the Local Authority:—				
(a) For the purpose of Part II of the Act (1925)	...	...	...	Nil.
(b) Do. Part III do.	...	...	...	Nil.
(c) For other purposes	...	...	...	Nil.
(d) Housing Act, 1936	...	...	...	Nil.

The above information has been supplied by the Borough Surveyor.



**I.—Inspection of Dwellinghouses during the Year.**

(1) (a) Total number of dwellinghouses inspected for housing defects under Public Health or Housing Acts ... ..	614
(b) Number of inspections made for the purpose ...	614
(2) (a) Number of dwellinghouses included under sub-head (1) above which were inspected and recorded under the Housing Consolidation Regulations, 1925-1932 ... ..	14
(b) Number of inspections made for the purpose ...	14
(3) Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	1
(4) Number of dwellinghouses (exclusive of those referred to under the preceding sub-head) found not to be in all respects, reasonably fit for human habitation ... ..	613

**II.—Remedy of Defects during the Year without Service of Formal Notice.**

Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their Officers ... ..	374
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**III.—Action under Statutory Powers during the Year.**

(A) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.	
(1) Number of dwellinghouses in respect of which notices were served requiring repairs... ..	14
(2) Number of dwellinghouses which were rendered fit after service of formal notices :—	
(a) By Owners ... ..	Nil.
(b) By Local Authority in default of Owners ...	Nil.
(B) Proceedings under Public Health Acts.	
(1) Number of dwellinghouses in respect of which notices were served requiring defects to be remedied ...	371
(2) Number of dwellinghouses in which defects were remedied after service of formal notices :—	
(a) By Owners ... ..	194
(b) By Local Authority in default of Owners ...	113
(C) Proceedings under Sections 11 and 13 of the Housing Act, 1936.	
(1) Number of dwellinghouses in respect of which Demolition Orders were made ... ..	Nil.
(2) Number of dwellinghouses demolished in pursuance of Demolition Orders ... ..	Nil.



*(D)* Proceedings under Section 12 of the Housing Act, 1936.

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	1
(2) Number of separate tenements or underground rooms in which Closing Orders were determined, the tenement or room having been rendered fit ...	Nil.

**HOUSING ACT, 1936.—PART IV.—OVERCROWDING.**

Owing to war conditions it is impossible to give a statement on the position of overcrowding in the Borough. It is anticipated that sometime after the termination of hostilities, a new survey will be required.

No prosecutions were undertaken under the overcrowding provisions of the Housing Act, 1936, during the year.

**SECTION E.****INSPECTION AND SUPERVISION OF FOOD.****MILK SUPPLIES.**

There were 12 Cowkeepers with 24 cowsheds housing 239 cows on the Register at the end of the year, 6 of whom are Licenced producers of "Accredited" Milk.

During the year, Veterinary Inspectors of the Ministry of Agriculture and Fisheries examined the herds of 4 "Accredited" Producers on 3 occasions, and the other 2 on 4 occasions, whilst of the herds of 6 ordinary Producers, 5 were examined on 2 occasions and 1 on 1 occasion. In addition 3 special visits and inspections were made. As a result of these visits 3 animals were dealt with under the Tuberculosis Order 1938.

99 visits were made to cowsheds and 348 visits were made to dairies, milk shops, etc., and all infringements of the Milk and Dairies Acts and Orders were dealt with satisfactorily.

Consignments of milk coming into the Borough by road or rail and the condition of the empty churn returned received attention. The keeping qualities of milk from certain outside sources has seriously deteriorated due to difficulties arising from war-time conditions in both production and transport. The matter has received attention and has been brought to the notice of the Regional Officers of the Ministries of Health and Food, who are doing their best to bring about an improvement.

**Milk Retailers.**

Applications for registration received ...	2
Applications for registration granted ...	2
Number of Milk Dealers on the Register ...	170
Dairy premises registered during the year ...	Nil.
Producers and cowkeepers, wholesale dealers, registered during 1945 ...	Nil.
Applications withdrawn ...	Nil.
Retailers relinquishing registration ...	1



**MILK (SPECIAL DESIGNATIONS) ORDER.**

The following table gives the various grades for which licences were granted:—

Dealers' Licences to sell Tuberculin Tested Milk	...	3
Supplementary Licences to sell Tuberculin Tested Milk...	...	2
Producers' Licences for Accredited Milk	... ..	6
Supplementary Licences for Accredited Milk	... ..	Nil.
Dealers' Licences to sell Accredited Milk	... ..	Nil.
Dealers' Licences to sell Pasteurised Milk	... ..	8
Supplementary Licences to sell Pasteurised Milk...	... ..	1
Dealers' Licences to bottle Tuberculin Tested Milk	... ..	4
Dealers' Licences to bottle Accredited Milk	... ..	1

**MILK SAMPLES FOR BACTERIOLOGICAL EXAMINATION.**

During the year, 85 samples of Milk were taken for examination and submitted to the Public Health Laboratory, Newcastle. Of the total samples taken 55 were from sources within the Borough, and 30 from outside. In addition, 4 samples of Pasteurised Milk were submitted to the Public Analyst for the Phosphatase Test.

Of the above, 56 samples were examined for Tubercle Bacilli, 2 of which gave positive results. Appropriate action was taken under the Tuberculosis Order, 1925/38, in each case.

The following table sets out details of the examinations carried out.

**RESULTS OF BACTERIOLOGICAL EXAMINATIONS OF MILK.**

		Total.	Passed.	Failed.
<b>Accredited Milk.</b>	Methylene Blue Test	31	29	2
	Coliform Test	34	28	6
	Tubercle	24	23	1
	Plate Count	5	2	3
	Brucella Abortis	1	1	—
<b>Pasteurised Milk.</b>	Plate Count	11	9	2
	Tubercle	3	3	—
	Phosphatase Test	4	4	—
	Coliform Test	7	4	3
<b>Ordinary Milk.</b>	Coliform Test	37	28	9
	Methylene Blue Test...	5	5	—
	Plate Count	36	31	5
<b>Tuberculin Tested Milk.</b>	Tubercle	28	27	1
	Tubercle	1	1	—
Total Graded Milks		121	104	7
Total Ordinary Milks		106	91	15
Total Tests Made		271	195	32

**TYNEMOUTH CORPORATION ACTS, 1916-1934.**

Regulations made under the Acts are in force, and no persons are permitted to use premises for the preparation of food unless they are registered by the Local Authority, who have power to refuse registration if, in their opinion, the premises are unsatisfactory.

There were 79 persons in the Borough registered as occupiers of premises in which Ice Cream is sold or manufactured. 93 persons are registered as owners or occupiers of premises in which Preserved Meat, Fish Cakes, or other foods are prepared. These figures do not include premises used for the business of Fish and Potato Frying.



160 visits were made during the year to supervise and emphasise the need for cleanliness in the handling of food. No serious negligence was discovered.

## FOOD AND DRUGS.

### MILK AND CREAM REGULATIONS, 1912-1927.

- (1) Milk and Cream not sold as Preserved Cream. The following samples were examined for the presence of a preservative: Milk 113; Cream Nil; and Tinned Cream Nil. No preservatives were reported to be present in any of the foregoing samples.
- (2) Thickening Substances. No evidence was found of any addition of thickening substances to Cream during the year.

### ARTIFICIAL CREAM ACT, 1929.

There were no samples taken under this Act during the year.

### SALE OF FOOD AND DRUGS (ADULTERATION) ACT, 1928.

#### SAMPLES TAKEN FOR CHEMICAL ANALYSIS.

TABLE I.

Articles Analysed.	Total.	No. of Samples taken for Analysis.		No. found to be Adulterated.		Percentage of Samples Adulterated.	
		In-formal	For-mal.	In-formal	For-mal.	In-formal	For-mal.
Baking Powder ... ..	5	4	1	1	1	% 25	% 100
Barley Pudding ... ..	1	1	—	—	—	—	—
Bicarbonate of Soda ... ..	1	1	—	—	—	—	—
Bloater Paste ... ..	1	1	—	—	—	—	—
Boric Acid Ointment ... ..	1	1	—	—	—	—	—
Boracic Acid Powder ... ..	1	1	—	—	—	—	—
Boracic Ointment ... ..	2	2	—	—	—	—	—
Butter ... ..	7	7	—	—	—	—	—
Cake Flour ... ..	1	1	—	—	—	—	—
Cake Mixture ... ..	1	1	—	—	—	—	—
Castor Oil ... ..	3	3	—	—	—	—	—
Cheese ... ..	7	7	—	—	—	—	—
Cocoa ... ..	3	3	—	—	—	—	—
Coffee ... ..	1	1	—	—	—	—	—
Cream of Magnesia ... ..	1	1	—	—	—	—	—
Cough Mixture ... ..	1	1	—	—	—	—	—
Forcing, Thyme, Parsley ... ..	1	1	—	—	—	—	—
Fynnon Salts ... ..	1	1	—	—	—	—	—
Gelatine ... ..	1	1	—	—	—	—	—
Ginger ... ..	1	1	—	—	—	—	—
Glauber Salts ... ..	2	2	—	—	—	—	—
Carried forward ...	43	42	1	1	1	—	—

Articles Analysed.	Total.	No. of Samples taken for Analysis.		No. found to be Adulterated.		Percentage of Samples Adulterated.	
		In-formal	For-mal.	In-formal	For-mal.	In-formal	For-mal.
Brought forward ...	43	42	1	1	1	%	%
Glycerine ...	2	2	—	—	—	—	—
„ Lemon & Ipec. ...	1	1	—	—	—	—	—
Gravy Browning ...	1	1	—	—	—	—	—
Gregory Powder ...	2	2	—	—	—	—	—
Ground Nutmeg ...	1	1	—	—	—	—	—
Ground Cinnamon ...	1	1	—	—	—	—	—
Ham & Beef Paste ...	1	1	—	—	—	—	—
Lard ...	7	7	—	—	—	—	—
Lemon Flavour... ..	2	2	—	—	—	—	—
Liquorice Powder ...	1	1	—	—	—	—	—
Lobster Paste ...	1	1	—	1	—	100	—
Maclean's Powder ...	2	2	—	—	—	—	—
Malt Vinegar ...	3	3	—	—	—	—	—
Margarine ...	7	7	—	—	—	—	—
Meat Paste ...	1	1	—	—	—	—	—
Milk (Cond. Sweet) ...	3	3	—	—	—	—	—
„ (Cond. F/C. M. Skm.) ...	1	1	—	—	—	—	—
„ (Cond. M. Skimmed) ...	1	1	—	—	—	—	—
„ New ...	89	—	89	—	2	—	2.25
„ Sterilised... ..	14	—	14	—	—	—	—
„ Pasteurized ...	10	—	10	—	—	—	—
Mixed Spice ...	2	2	—	—	—	—	—
Pea Flour ...	1	1	—	—	—	—	—
Pineapple Jam ...	1	1	—	—	—	—	—
Sardines ...	1	1	—	—	—	—	—
Sardines in Tomato ...	1	1	—	—	—	—	—
Sauce ...	4	4	—	—	—	—	—
Semolina ...	2	2	—	—	—	—	—
Sild in Tomato Sauce ...	1	1	—	—	—	—	—
Sulphur Ointment ...	2	2	—	—	—	—	—
Syrup ...	1	1	—	—	—	—	—
Syrup of Figs ...	1	1	—	—	—	—	—
Syrup with Halibut Oil ...	1	1	—	—	—	—	—
Tonic Cup with Quansia ...	1	1	—	—	—	—	—
Zinc Ointment ...	3	3	—	—	—	—	—
Totals ... ..	216	102	114	2	3	1.96	2.63



The Chemical Analyses of the foregoing samples were carried out by the Public Analyst to the County Borough of Tynemouth Corporation, Mr. W. Gordon Carey, 10, Dean Street, Newcastle upon Tyne.

PARTICULARS OF ADULTERATED SAMPLES.

TABLE II.

No.	Article.	Defect.	Action Taken.
26	New Milk ...	Deficient in milk fat to the extent of 8.0%.	Letter of caution sent to producer.
38	New Milk ...	Deficient in non-fatty solids to the extent of 4.4%.	Letter of caution sent to producer
145	Baking Powder ...	Deficient in Available Carbon Dioxide to the extent of 7.5%.	See follow-up sample No. 173.
152	Lobster Paste ...	Deficient in Fish Content to the extent of at least 32.6%.	Sample No. 152 was last of stock. No action taken.
173	Baking Powder ...	Deficient in Available Carbon Dioxide to the extent of 0.8%.	Attention of retailer drawn to deficiency. Remainder of stock withdrawn from sale.

**PUBLIC HEALTH (CONDENSED MILK) REGULATIONS, 1923-1927.**

There were 5 samples examined during the year under these regulations.

**PUBLIC HEALTH (DRIED MILK) REGULATIONS 1923-1927.**

No samples were taken under these regulations during the year.

**PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS, 1925-1927.**

216 samples were examined during the year, and in no case was any infringement of the regulations discovered.

**INSPECTION OF MEAT AND OTHER FOODS.**

**Slaughterhouses.**

There now remain 15 private slaughterhouses, which are subject to annual Licence. Since the operation of the Livestock (Restrictions on Slaughtering) Order 1940, all slaughtering is now centralised at Whitley Bay under Government Control, and deliveries of meat are made direct to the butchers' shops.

32 cases of special slaughter of pigs for home consumption were authorised under a Licence by the Local Officer of the Ministry of Food, and the carcasses and organs were inspected.

#### Inspection of Meat.

162 visits were made to butchers' shops. There are no open stalls used for the sale of meat.

#### SWINE FEVER.

One case of suspected Swine Fever was reported to the Ministry. The one outbreak was confirmed by the Veterinary Inspectors and resulted in the slaughter and destruction of eight pigs.

#### TOTAL AMOUNT OF UNSOUND FOOD CONDEMNED.

Food.	Tons.	Cwts.	Qtrs.	Lbs.	Ozs.
Beef ... ..	—	10	3	11	8
*Pork ... ..	—	10	1	16	8
Bacon ... ..	—	15	3	17	8
Mutton ... ..	—	3	1	11	—
Rabbits ... ..	—	1	—	14	—
Fish ... ..	18	7	2	9	8
Shellfish ... ..	1	10	1	—	—
Milk (Tinned)... ..	—	5	1	21	9
Miscellaneous Groceries	4	—	3	18	14
Meat (Tinned) ... ..	1	13	2	25	7
Fish (Tinned) ... ..	1	16	3	12	10½
Other Tinned Goods ...	7	7	3	1	11½
Totals ... ..	37	4	—	20	4½

\* 6 cwt. Pork from 8 Pig carcasses affected with Swine Fever.



## SECTION F.

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

**MEASLES AND WHOOPING COUGH.**

The following table shows the number of deaths from Measles (including German Measles) and Whooping Cough (Registrar General) together with the number of notifications received during the year.

Whooping Cough :—				
Cases Notified	...	...	...	104
Deaths at all ages	...	...	...	1
Measles (including German Measles) :—				
Cases Notified	...	...	...	237
Deaths at all ages	...	...	...	2

**DIARRHOEA AND ENTERITIS.**

During the year there were 8 deaths of children under 2 years of age, which is equal to a mortality rate of 6.99 per 1,000 births.

The mortality rate for England and Wales, and the Great Towns were 5.6 and 7.8 respectively.

**OPHTHALMIA NEONATORUM.**

1 case was notified during the year.

In addition to cases of Ophthalmia Neonatorum, detailed above, 5 cases of Discharging Eyes were attended by the Nursing Association who made 92 visits.

**PEMPHIGUS NEONATORUM.**

During the year, 1 case of Pemphigus Neonatorum was brought to my notice, and the necessary action taken.

**FOOD POISONING.**

There were no cases reported during the year.





### IMMUNISATION.

The scheme for the Immunisation against Diphtheria of the child population, has been fairly well supported by parents.

In conjunction with the staff of the Education Department, scholars were immunised at the Schools Clinic, whilst Pre-School children were immunised at the Maternity and Child Welfare Centre, a total of 760 children being immunised under the scheme during the year, 87 of which were School Children, whilst 673 Pre-School Children were immunised.

### DISINFECTION OF PREMISES AND ARTICLES OF CLOTHING.

The following table shows the number of rooms disinfected and the number of articles of clothing removed and disinfected at Moor Park Hospital Disinfecting Station during the year.

Disease.	Rooms.	Articles of Clothing.
Diphtheria ... ..	89	2267
Scarlet Fever ... ..	115	1835
Tuberculosis ... ..	34	312
Vermin ... ..	57	821
Measles ... ..	—	—
Other Diseases ... ..	17	201
Various Services ... ..	—	6,029
Total ... ..	312	11,465

### X-RAY EXAMINATIONS.

Radiography of contacts, suspected cases, and all notified cases of tuberculosis were carried out during the year, subsequent examinations when necessary were made as part of the routine Dispensary supervision.

1,057 Radiographs and 487 Screen examinations were made during the year.

**CANCER.****Deaths and Death Rates from Cancer.**

	1905 -09	1910 -14	1915 -19	1920 -24	1925 -29	1930 -34	1935 -39	1940 -44	1945
Deaths ... ..	185	244	287	319	315	403	474	529	95
Death Rate per 1,000 living ...	0.67	0.82	1.00	0.99	0.95	1.23	1.42	1.89	1.62
Proportion of deaths per 1,000 deaths from all causes	37	51	56	72	74	99	117	125	119

There are facilities for the early diagnosis and treatment in the Borough at the Tynemouth Victoria Jubilee Infirmary, where there is a complete unit including the services of an honorary consultant radiologist, and honorary consultant surgeon.

**VACCINATION.**

The following table gives the figures relating to the Vaccination of Infants in the Borough, for the year 1944, under the Vaccination Acts.

Births.	Vacci- nated success- fully.	Insus- ceptible	Died un- vacci- nated.	Consci- entious Objec- tors.	Post- poned by Medical Certifi- cate.	Re- moved	Unac- counted for.	Percentage not vaccinated including columns 5, 6, 7 & 8.
1	2	3	4	5	6	7	8	9
1576	494	—	101	763	—	91	127	62.2



**TUBERCULOSIS.****New Cases and Mortality from Pulmonary and Non-Pulmonary Forms of Tuberculosis during 1945.**

Age Periods.	New Cases.				Deaths (Registrar-General).			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1-5 ...	4	—	1	1	2	—	2	1
5-10 ...	1	—	1	1	—	—	2	2
10-15 ...	—	1	1	2	—	—	—	—
15-20 ...	4	6	—	—	—	—	—	—
20-25 ...	5	7	1	2	14	14	2	3
25-35 ...	11	7	2	3	—	—	—	—
35-45 ...	6	5	—	—	—	—	—	—
45-55 ...	9	2	—	—	—	—	—	—
55-65 ...	2	—	—	—	12	2	1	—
65 and over...	—	—	1	—	1	1	—	—
Totals ...	42	28	7	9	29	17	7	6

The total number of notifications received was 90 relating to 86 new cases (72 adults, 14 children).

- (1) **Pulmonary Tuberculosis** :—Deaths 46 ; mortality rate per 1,000 is equal to 9.78.
- (2) **Non-Pulmonary Tuberculosis** :—Deaths 13 ; mortality rate per 1,000 is equal to 0.22.

**TUBERCULOSIS.—MAINTENANCE ALLOWANCES.**

During the year under review 28 cases of Pulmonary Tuberculosis were in receipt of maintenance allowances.

**TYNEMOUTH CARE COMMITTEE.**

Mr. H. W. Welch, the Hon. Financial Secretary of the Tynemouth Care Committee reports that during the past year, the number of cases assisted was 10. Of this number 9 were granted extra nourishment, consisting of special quantities of milk, to approved cases of Tuberculosis. The other case was supplied with surgical appliances.

The income of this Committee consists of an annual grant from the Tynemouth Corporation and from donations received from the Employees of the Newcastle and Gateshead Gas Co., and the Employees of Messrs. Smith's Dock Co. (Hospital Committee) also Mr. Payne, 41, Amble Avenue, Whitley Bay and Mrs. Whitfield, 1, Manor Road, Tynemouth.

Grateful thanks are expressed to these donors.

**ULTRA-VIOLET LIGHT THERAPY.**

The total number of patients treated at the Clinic during the year was 125, made up of 21 adults and 104 children, the result of the treatment given being as follows :—

7 were discharged, healed or quiescent ; 52 improved ; 8 remained stationary ; and 17 cases ceased to attend, and 41 cases upon which it is too early to report.



## REPORT UPON DISPENSARY TREATMENT OF TUBERCULOSIS.

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total.
	Adults.		Children		Adults.		Children.		Adults.		Children.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A.— (1) Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the year ... ..	146	69	17	20	5	8	13	16	151	77	30	36	294
(2) Transfers from other Authorities ...	1	—	—	—	—	—	—	—	1	—	—	—	1
(3) Lost sight of cases returned ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—
B.— Number of new cases diagnosed as tuberculosis :—													
(1) Class T.B. Minus	20	18	3	—	—	—	—	—	20	18	3	—	41
(2) Class T.B. Plus	9	3	—	—	—	—	—	—	9	3	—	—	12
(3) Non-Pulmonary	—	—	—	—	1	2	5	—	1	2	5	—	8
C.— Number of cases included in A and B written off the Dispensary Register :—													
(1) Recovered ...	9	4	—	1	—	—	1	—	9	4	1	1	15
(2) Dead (all causes)	15	5	—	1	—	—	1	—	15	5	1	1	22
(3) Removed to other Areas ...	4	4	—	—	—	—	2	—	4	4	2	—	10
(4) For other reasons	2	—	—	—	—	—	—	—	2	—	—	—	2
D.— Number of definite cases of Tuberculosis on the Dispensary Register at the end of the year ... ..	146	77	20	18	6	10	14	16	152	87	34	34	307

1. Number of attendances at the Dispensary (including contacts) ... 1,420
2. Number of consultations with Medical Practitioners (personal) ... 117
3. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes ... .. 2,099
4. Number of visits by Tuberculosis Officers to homes (including personal consultations) ... .. 2
5. Number of X-Ray examinations made in connection with Dispensary work ... .. 1,057



**VENEREAL DISEASES.**

The Centres available for the treatment of venereal diseases are the Joint Committees' Clinic, Newcastle, and the Auxiliary Centre at Preston Hospital, Tynemouth, and at the Public Health Department, for females and children.

The number of persons from Tynemouth treated at the various clinics in the district is given below:—

Disease.	Treatment Centres.			
	Newcastle.	South Shields.	Tynemouth.	Other Centres.
Syphilis ... ..	6	3	49	—
Soft Chancre ... ..	1	—	4	—
Gonorrhoea ... ..	21	2	42	—
Conditions other than venereal ... ..	35	9	61	—
Total new cases from Tynemouth ... ..	63	14	156	—
Attendances ... ..	687	184	5,734	—

The attendances at the Preston Hospital Clinic, and Public Health Department Clinic, Tynemouth (including those made by foreigners and non-residents, not included in the above table), are:—

	Preston Hospital Clinic, Tynemouth.			
	Residents.	Non-Residents.	Foreigners.	Total.
New Cases ... ..	156	57	58	271*
Attendances (all cases) ...	5,734	1,197	1,416	8,347

\* Of the above cases 26 attendances were made by 1 Service patient.

The sources from which specimens were sent during 1945 are indicated in the following table:—

Nature of Test.	Newcastle V.D. Clinic.	Tynemouth V.D. Clinic.	Other Centres.	Private Practitioners.	Tynemouth Infirmary.
Blood:—Kahn Test ... ..	—	14	4	1	—
Wasserman reaction ... ..	118	409	68	39	2
Gonococcal fixation ... ..	1	15	3	—	—
Cerebro-Spinal Fluid:—					
Wasserman ... ..	12	—	—	—	2
General examination ... ..	12	—	—	—	—
Microscopical Examination ...	—	5	9	6	—
Totals ... ..	143	443	84	46	4

During the year, the Local Authority took part in a joint scheme formulated by Local Authorities on Tyneside for almoning and contact tracing. These arrangements yielded gratifying results.

A report of the work of the Joint scheme has been published.



TABLE I.

Registrar-General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1945.

## MALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fevers ... ..	—	—	—	1	—	—	1
2	Cerebro-spinal Fever ... ..	2	—	—	—	—	—	2
3	Scarlet Fever ... ..	—	—	—	—	—	—	—
4	Whooping Cough ... ..	1	—	—	—	—	—	1
5	Diphtheria ... ..	—	2	—	—	—	—	2
6	Tuberculosis of Respiratory System ... ..	—	2	—	14	12	1	29
7	Other Forms of Tuberculosis... ..	—	2	2	2	1	—	7
8	Syphilitic Disease ... ..	1	—	—	1	5	—	7
9	Influenza ... ..	—	1	—	—	—	—	1
10	Measles ... ..	—	—	—	—	—	—	—
11	Acute Poliomyelitis and Polioencephalitis ... ..	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis ... ..	—	—	—	—	—	—	—
13M.	Cancer of Buccal Cavity and Oesophagus ... ..	—	—	—	—	2	7	9
14	Cancer of Stomach and Duodenum ... ..	—	—	—	3	7	3	13
16	Cancer of all other sites ... ..	—	—	—	2	12	14	28
17	Diabetes ... ..	—	—	—	—	—	4	4
18	Intra-cranial Vascular Lesions ... ..	—	—	—	2	10	34	46
19	Heart Disease ... ..	—	—	—	4	35	81	120
20	Other Diseases of the Circulatory System ... ..	—	—	—	2	4	12	18
21	Bronchitis ... ..	—	—	—	1	4	6	11
22	Pneumonia ... ..	7	—	—	2	7	3	19
23	Other Respiratory Diseases ... ..	—	—	—	1	5	3	9
24	Ulceration of the Stomach or Duodenum ... ..	—	—	—	2	3	1	6
25	Diarrhoea (under 2 years of age) ... ..	6	—	—	—	—	—	6
26	Appendicitis ... ..	—	—	—	—	1	—	1
27	Other Digestive Diseases ... ..	—	—	—	2	2	2	6
28	Nephritis ... ..	—	—	—	2	6	11	19
31	Premature Birth ... ..	9	—	—	—	—	—	9
32	Congenital Malformation, Birth Injury and Infantile Diseases ... ..	14	—	—	—	—	—	14
33	Suicide ... ..	—	—	—	2	—	—	2
34	Road Traffic Accidents ... ..	—	1	1	1	—	—	3
35	Other Violent Causes ... ..	3	—	2	9	2	2	18
36	All Other Causes ... ..	3	3	—	6	8	16	36
	Totals All Causes ... ..	46	11	5	59	126	200	447

Deaths under one year of age :—

Legitimate male children ... 43.

Illegitimate male children ... 3.



TABLE II.

Registrar-General's List of Causes of Death at different periods  
of life in the County Borough of Tynemouth during 1945.

## FEMALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fevers ... ..	—	—	—	—	—	—	—
2	Cerebro-Spinal Fever... ..	—	—	—	—	—	—	—
3	Scarlet Fever ... ..	—	—	—	—	—	—	—
4	Whooping Cough ... ..	—	—	—	—	—	—	—
5	Diphtheria ... ..	—	1	—	—	—	—	1
6	Tuberculosis of Respiratory System ... ..	—	—	—	14	2	1	17
7	Other Forms of Tuberculosis... ..	—	1	2	3	—	—	6
8	Syphilitic Disease ... ..	—	—	—	—	1	—	1
9	Influenza ... ..	—	—	—	—	—	—	—
10	Measles ... ..	2	—	—	—	—	—	2
11	Acute Poliomyelitis and Polioencephalitis ... ..	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis ... ..	—	—	—	1	—	—	1
13F.	Cancer of Uterus ... ..	—	—	—	1	5	3	9
14	Cancer of Stomach and Duodenum ... ..	—	—	—	—	5	4	9
15	Cancer of Breast ... ..	—	—	—	—	2	1	3
16	Cancer of all other sites ... ..	—	—	—	3	8	13	24
17	Diabetes ... ..	—	—	—	1	—	3	4
18	Intra-cranial Vascular Lesions ... ..	—	—	—	1	11	37	49
19	Heart Disease ... ..	—	—	—	3	16	72	91
20	Other Diseases of the Circulatory System ... ..	—	—	—	—	2	9	11
21	Bronchitis ... ..	—	—	1	1	3	11	16
22	Pneumonia ... ..	6	1	—	1	2	4	14
23	Other Respiratory Diseases ... ..	—	—	—	2	2	1	5
24	Ulceration of the Stomach or Duodenum ... ..	—	—	—	1	1	1	3
25	Diarrhoea (under 2 years of age) ... ..	2	—	—	—	—	—	2
26	Appendicitis ... ..	—	—	—	—	—	—	—
27	Other Digestive Diseases ... ..	—	—	—	3	3	—	6
28	Nephritis ... ..	—	—	—	3	1	5	9
29	Puerperal and Post-Abortive Sepsis ... ..	—	—	—	—	—	—	—
30	Other Maternal Causes ... ..	—	—	—	2	—	—	2
31	Premature Birth ... ..	7	—	—	—	—	—	7
32	Congenital Malformation, Birth Injury and Infantile Diseases ... ..	12	—	—	1	—	—	13
33	Suicide ... ..	—	—	—	1	1	1	3
34	Road Traffic Accidents ... ..	—	—	—	—	—	—	—
35	Other Violent Causes ... ..	1	1	2	1	1	2	8
36	All Other Causes ... ..	2	—	3	5	5	19	34
	Totals All Causes ...	32	4	8	48	71	187	350

Deaths under one year of age :—

Legitimate female children ... 28  
Illegitimate female children ... 4.

## APPENDIX.

TABLE III.

## VITAL STATISTICS OF THE COUNTY BOROUGH OF TYNEMOUTH DURING 1945 AND PREVIOUS YEARS.

Year.	Births.		Total Deaths Registered in the District.		Transferable Deaths.		Nett Deaths belonging to the District.			
	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents registered in the District.	Under 1 Year of Age.	Rate per 1,000 Nett Births.	At all Ages.	
	Number.	Rate.								Number.
1933	1,135	17.25	1,063	16.1	238	48	96	84	873	13.27
1934	1,172	17.77	1,022	15.5	229	47	85	77	840	12.73
1935	1,201	17.38	1,033	15.3	255	46	76	63	824	12.23
1936	1,209	18.10	1,022	15.3	286	37	78	65	773	11.57
1937	1,087	16.25	1,135	16.9	323	46	72	66	858	12.83
1938	1,104	16.60	1,054	15.8	307	50	67	61	797	11.98
1939	1,119	16.70	1,038	15.9	303	57	76	68	792	12.14
1940	1,060	17.74	1,139	19.2	299	65	71	67	840	14.06
1941	897	15.95	1,244	22.1	274	96	85	95	1,066	18.95
1942	908	16.97	947	17.5	231	71	84	92	787	14.71
1943	1,019	19.45	1,017	19.4	306	69	78	76	780	14.89
1944	1,252	21.90	1,047	18.3	295	64	83	66	816	14.29
1945	1,144	19.47	1,073	18.3	333	57	78	68	797	13.56



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10	...	...	...	...	...	...	...	...	...	Welfare
18	...	...	...	...	...	...	...	...	...	Welfare
1	...	...	...	...	...	...	...	...	...	Welfare
18-19	...	...	...	...	...	...	...	...	...	Welfare
10	...	...	...	...	...	...	...	...	...	Welfare
2-6	...	...	...	...	...	...	...	...	...	Welfare
11	...	...	...	...	...	...	...	...	...	Welfare
10	...	...	...	...	...	...	...	...	...	Welfare
7	...	...	...	...	...	...	...	...	...	Welfare
12	...	...	...	...	...	...	...	...	...	Welfare
23-28	...	...	...	...	...	...	...	...	...	Welfare
4	...	...	...	...	...	...	...	...	...	Welfare
7	...	...	...	...	...	...	...	...	...	Welfare
21-23	...	...	...	...	...	...	...	...	...	Welfare
8	...	...	...	...	...	...	...	...	...	Welfare
8	...	...	...	...	...	...	...	...	...	Welfare
4	...	...	...	...	...	...	...	...	...	Welfare
19	...	...	...	...	...	...	...	...	...	Welfare
19-20	...	...	...	...	...	...	...	...	...	Welfare
22	...	...	...	...	...	...	...	...	...	Welfare
19-21	...	...	...	...	...	...	...	...	...	Welfare
8	...	...	...	...	...	...	...	...	...	Welfare
11	...	...	...	...	...	...	...	...	...	Welfare
11	...	...	...	...	...	...	...	...	...	Welfare
41	...	...	...	...	...	...	...	...	...	Welfare
7	...	...	...	...	...	...	...	...	...	Welfare
27	...	...	...	...	...	...	...	...	...	Welfare
20-25	...	...	...	...	...	...	...	...	...	Welfare
10	...	...	...	...	...	...	...	...	...	Welfare
32	...	...	...	...	...	...	...	...	...	Welfare
28	...	...	...	...	...	...	...	...	...	Welfare
29	...	...	...	...	...	...	...	...	...	Welfare
30	...	...	...	...	...	...	...	...	...	Welfare
31	...	...	...	...	...	...	...	...	...	Welfare
32	...	...	...	...	...	...	...	...	...	Welfare
33	...	...	...	...	...	...	...	...	...	Welfare
34	...	...	...	...	...	...	...	...	...	Welfare
35	...	...	...	...	...	...	...	...	...	Welfare
36	...	...	...	...	...	...	...	...	...	Welfare
37	...	...	...	...	...	...	...	...	...	Welfare
38	...	...	...	...	...	...	...	...	...	Welfare
39	...	...	...	...	...	...	...	...	...	Welfare
40	...	...	...	...	...	...	...	...	...	Welfare
41	...	...	...	...	...	...	...	...	...	Welfare
42	...	...	...	...	...	...	...	...	...	Welfare
43	...	...	...	...	...	...	...	...	...	Welfare
44	...	...	...	...	...	...	...	...	...	Welfare
45	...	...	...	...	...	...	...	...	...	Welfare
46	...	...	...	...	...	...	...	...	...	Welfare
47	...	...	...	...	...	...	...	...	...	Welfare
48	...	...	...	...	...	...	...	...	...	Welfare
49	...	...	...	...	...	...	...	...	...	Welfare
50	...	...	...	...	...	...	...	...	...	Welfare



