

[Report 1971] / Medical Officer of Health, Knaresborough U.D.C.

Contributors

Knaresborough (England). Urban District Council.

Publication/Creation

1971

Persistent URL

<https://wellcomecollection.org/works/s9tm465g>

License and attribution

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

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

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



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




KNARESBOROUGH
URBAN DISTRICT COUNCIL

ANNUAL REPORT

OF THE
MEDICAL OFFICER OF HEALTH
AND
PUBLIC HEALTH INSPECTOR

For the Year

1971



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

<https://archive.org/details/b29539274>



KNARESBOROUGH
URBAN DISTRICT COUNCIL

ANNUAL REPORT

OF THE
MEDICAL OFFICER OF HEALTH
AND
PUBLIC HEALTH INSPECTOR

For the Year

1971

KNARESBOROUGH URBAN DISTRICT COUNCIL

as at 31.12.71

Chairman of the Council
Councillor N. J. C. McLusky

Vice-Chairman:
Councillor J. K. Harding

Coun. G. Clough, J.P.	Coun. Miss V. S. Craven
„ N. Farmer	„ K. W. Gregson
„ J. K. Harding	„ G. A. Holch, J.P.
„ Mrs. T. M. Holman	„ P. J. Hopkinson
„ W. R. Macintyre	„ W. R. Mather
„ N. J. C. McLusky	„ Mrs. P. A. Murray
„ J. Peace	„ D. A. Symmonds
„ Mrs. M. Thompson	

Chairman of the Housing and Health Committee:
Councillor P. J. Hopkinson

PUBLIC HEALTH OFFICERS OF THE COUNCIL

Medical Officer of Health:
N. V. Hepple, M.D., B.S., B.Hy., D.P.H.

Deputy Medical Officer of Health:
Isobel B. Alexander, M.B., Ch.B., D.P.H.

Public Health Inspector:
J. D. Andrews, M.A.P.H.I.

Pupil Public Health Inspector
H. Cooper

Clerk/Typist:
Mrs. R. Mills

Telephone Number:
Knaresborough 2264

Knaresborough House,
Knaresborough.

To the Chairman and Members of the
Knaresborough Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present for your consideration the Annual Report on the health of the Urban District and the work of your Health Department for the year 1971.

The Report as usual contains a section by your Public Health Inspector on his environmental health work, and also details of the personal health services provided by the County Council for the area.

We live in the shadow of a major restructuring both of local government and of the health services. The latter will be joined with the hospital and general practitioner services in a unified health service which should be of ultimate benefit to the country.

A corollary of this removal of health services from local government control will be the prime necessity of securing close liaison between the new Community Physicians and the local government authorities. The latter will continue to need medical advice on various matters and, at district level, it seems probable that a Community Physician will be designated for this purpose.

I am grateful to the officers and members of the Council and to their staff for much help and consideration during the year.

I have the honour to be,

Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

N. V. HEPPLER,

Medical Officer of Health.

STATISTICS

Registrar General's estimate of population (mid 1971) ..	11,700
Area (in acres)	2,488
Number of inhabited houses, March 31st, 1971..	4,004
Rateable value, March 31st, 1971.. .. .	£356,799
Sum represented by a penny rate, March 31st, 1971 ..	£1,452

SOCIAL CONDITIONS OF THE AREA

Knaresborough is an inland holiday resort on the banks of the Nidd and is a centre for the Yorkshire Dales. Its Castle and boating facilities have a special attraction for the day visitor. It has one of the largest weekly open-air agricultural produce and general markets in the North of England.

During the summer, catering is one of the principle trades in the town. There are also a number of small industries including the manufacture of plastic goods, raincoats, shirts, and sports clothes, two linen and cotton weaving mills, a saw mill, and a boat building and repair factory.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1971

Live Births				<i>Male</i>	<i>Female</i>	<i>Total</i>
Legitimate	..	..	..	77	93	170
Illegitimate	..	..	..	3	2	5
Total ..				80	95	175
Crude birth rate per 1,000 population ..				..	..	15.0
Adjusted birth rate .. .. .				..	..	16.3
Comparability Factor .. .. .				..	..	1.09
Still Births				<i>Male</i>	<i>Female</i>	<i>Total</i>
Legitimate	..	..	..	2	—	2
Illegitimate	..	..	..	—	—	—
Still birth rate per 1,000 total (live and still) births				11.3		
Deaths				<i>Male</i>	<i>Female</i>	<i>Total</i>
Crude death rate per 1,000 population ..				68	73	141
Adjusted death rate .. .. .				..	..	12.1
Comparability Factor .. .. .				..	..	7.5
Comparability Factor .. .. .				..	..	0.62

Maternal Mortality				<i>Rates per 1,000 total births</i>		
				<i>Deaths</i>		
Puerperal Sepsis	..	..	..	—	—
Other Maternal Causes	..	..	..	—	—
Infant Mortality				<i>Male</i>	<i>Female</i>	<i>Total</i>
Legitimate	..	..	..	3	2	5
Illegitimate	..	..	..	—	—	—
Death rate of infants under 1 year of age:						
All Infants per 1,000 live births	..	..	..	..	..	28.6
Legitimate infants per 1,000 legitimate births	..	..	..	..	..	29.4
Illegitimate infants per 1,000 illegitimate births	..	..	..	..	..	—

NOTES ON VITAL STATISTICS

Births

The birth rate of 16.3 was higher than in 1970 and higher than the national rate of 16.0.

Deaths

The death rate of 7.5 was lower than the previous year. The rate for England and Wales was 11.6.

The principal causes of death were as follows:—

Cerebrovascular disease	..	..	..	..	29
Ischaemic heart disease	..	..	..	..	29
Malignant neoplasms, leukaemia, including neoplasms of lymphatic and haematopoietic tissue	..	..	..	..	28
Pneumonia, bronchitis, emphysema and asthma	..	..	..	..	11
Heart diseases (excepting Ischaemic heart disease)	..	..	..	..	13

Together these groups accounted for more than three-quarters of the deaths from all causes.

Natural Increase of Population

The number of births exceeded the number of deaths by 34.

Infantile Mortality

5 children died under the age of one year giving an infantile mortality rate of 28.6 per thousand live births as compared with a rate of 32.4 for the previous year and 17.5 for England and Wales.

3 of the babies died aged 3 hours, 5 days and 11 days, respectively, 1 aged 4 weeks and 1 aged 10 months. The causes of death were respiratory distress syndrome 2, congenital abnormality 1, broncho pneumonia 1 and hydrocephalus 1.

Maternal Mortality

No mother has died in Knaresborough as a result of childbirth for many years.

Causes of Death
Registrar-General's Return 1971

Cause		Male	Female	Total
1	Cholera	—	—	—
2	Typhoid fever	—	—	—
3	Bacillary dysentery and amoebiasis ..	—	—	—
4	Enteritis and other diarrhoeal diseases ..	—	—	—
5	Tuberculosis of respiratory system ..	—	—	—
6	Other tuberculosis, including late effects ..	—	—	—
7	Plague	—	—	—
8	Diphtheria	—	—	—
9	Whooping cough	—	—	—
10	Streptococcal sore throat and scarlet fever	—	—	—
11	Meningococcal infection	—	—	—
12	Acute poliomyelitis	—	—	—
13	Smallpox	—	—	—
14	Measles	—	—	—
15	Typhus and other rickettsioses	—	—	—
16	Malaria	—	—	—
17	Syphilis and its sequelae	—	—	—
18	All other infective and parasitic diseases	—	—	—
19	Malignant neoplasms, leukaemia, including neoplasms of lymphatic and haemopoietic tissue	18	10	28
20	Benign neoplasms and neoplasms of unspecified nature	—	—	—
21	Diabetes mellitus	—	—	—
22	Avitaminoses and other nutritional deficiency	—	—	—
23	Anaemias	—	—	—
24	Meningitis	—	—	—
25	Active rheumatic fever	—	—	—
26	Chronic rheumatic heart disease	1	—	1
27	Hypertensive disease	—	4	4
28	Ischaemic heart disease	15	14	29
29	Other forms of heart disease	4	4	8
30	Cerebrovascular disease	13	16	29
31	Influenza	—	—	—
32	Pneumonia	2	8	10
33	Bronchitis, emphysema and asthma	1	—	1
34	Peptic ulcer	—	—	—
35	Appendicitis	—	—	—
36	Intestinal obstruction and hernia	—	—	—
37	Cirrhosis of liver	—	—	—
38	Nephritis and nephrosis	—	—	—
39	Hyperplasia of prostate	—	—	—
40	Abortion	—	—	—
41	Other complications of pregnancy, childbirth and puerperium	—	—	—
42	Congenital abnormalities	—	1	1
43	Birth injury, difficult labour and other anoxic and hypoxic conditions	2	—	2
44	Other causes of perinatal mortality	—	—	—
45	Symptoms and ill-defined conditions	—	1	1
46	All other diseases	5	13	18
47	Motor vehicle accidents	5	—	5
48	All other accidents	2	2	4
49	Suicide and self-inflicted injuries	—	—	—
50	All other external causes	—	—	—
Total		68	73	141

GENERAL PROVISIONS OF HEALTH SERVICES FOR THE AREA

1. Public Health Officers of the Authority

The names and qualifications are set out on page 3.

2. Health Services

Laboratory Facilities.

Any special investigation into outbreaks of infection and the isolation and typing of virus is undertaken by the Public Health Laboratory at Seacroft Hospital, Leeds. The routine bacteriological examination of clinical material, such as throat swabs, is done at the laboratory of the Harrogate General Hospital.

Samples of milk and other food stuffs, including ice-cream, are taken for bacteriological examination to the Public Health Laboratory at Seacroft and this laboratory also undertakes the bacteriological examination of the public water supply for the Claro Water Board.

The chemical analysis of the public water supply is carried out for the Claro Water Board by Messrs. T. Fairley & Partner, Leeds.

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

No action was taken during 1971.

HEALTH SERVICES PROVIDED BY THE COUNTY COUNCIL

REPORT OF DIVISIONAL MEDICAL OFFICER FOR 1971 DIVISION No. 7

CONTENTS

1. Population
2. Divisional Staff
3. School Health Service
4. Speech Therapy
5. Cardiac Clinic
6. Child Guidance Clinic
7. Care of Mothers and Young Children
8. Midwifery
9. Health Visiting
10. Home Nursing
11. Vaccination and Immunisation
12. Prevention, Care and After-Care of Tuberculosis
13. Cervical Cytology
14. Chiropody
15. Registration of Nursing Homes
16. Registration of Old People's Homes
17. Medical Examination of Staff, etc.
18. Health Education

1. POPULATION

The estimated populations of the areas are as follows:—

Harrogate Borough	.. ..	63,470
Ripon City	.. ..	11,800
Knaresborough Urban District	.. ..	11,700
Nidderdale Rural District	.. ..	17,730
Ripon and Pateley Bridge Rural District	.. ..	13,580
Total	.. ..	<u>118,280</u>

2. DIVISIONAL STAFF

Medical Officers:

N. V. Hepple, M.D., B.S., B.Hy., D.P.H., Divisional Medical Officer.

Isobel B. Alexander, M.B., Ch.B., D.P.H., Senior Departmental Medical Officer.

Mary Polson, B.Sc., M.B., Ch.B., D.Obst., R.C.O.G., Senior Departmental Medical Officer.

A. W. I. Hall, M.B., B.Chir., Departmental Medical Officer.

Margaret Briggs, M.B., Ch.B., Departmental Medical Officer.

*P. C. N. Clarke, M.R.C.P., D.C.H., Paediatrician.

*P. A. I. MacLeod, M.B., Ch.B., F.R.F.P.S., Orthopaedic Surgeon.

*Rosemary Hawe, M.B., Ch.B., B.A.O., D.O., Ophthalmologist.

*W. S. Suffern, M.D., M.R.C.P., Cardiologist.

*Elizabeth Gore, M.D., D.P.M., Consultant Psychiatrist, Child Guidance Clinic.

Anastasia Holroyd, M.A., M.B., B.S.

Katherine H. Odling-Smee, M.B., Ch.B.

Marjorie Parsons, M.B., Ch.B.

Isobel Critchley, M.B., Ch.B.

Margaret E. Manning, M.B., Ch.B.

} Clinic doctors
working on a
sessional basis

**Part-time from Regional Hospital Board.*

Dental Officers

Mr. K. Cowell, L.D.S.

Mr. M. Hattan, L.D.S.

Mr. P. R. Oldfield, L.D.S.

Mr. G. A. Thompson, L.D.S. (part-time, Orthodontic Consultant).

Mr. R. F. Grainger, L.D.S. (part-time)

Mr. M. Hollings, L.D.S. (part-time)

Dental Assistants

Full-time 3

Part-time 3

Child Guidance Staff (part-time)

Psychologists 2

Psychiatric Social Worker 1

Remedial Teacher 1

Clerical 2

Speech Therapists

Full-time 2

Part-time 1

Nursing Staff

Divisional Nursing Officer 1

Nursing Officers (Health Visitor) 2

Nursing Officer (Home Nurse) 1

Nursing Officer (Home Nurse Midwife) 1

Health Visitors who are also school nurses 18

Health Visitor (part-time) 1

Health Visitor employed on Hospital Liaison Duties 1

Tuberculosis Health Visitor (part-time) 1

Assistant Health Visitors 3

Assistant Health Visitors (part-time) 6

Home Nurses 13

Home Nurses (part-time) 3

Home Nurse Midwives 11

Midwives 4

Administrative

Divisional Administrative Officer 1

Clerical 16

Clerical (part-time) 1

Domestic Staff, etc.

Cleaners (part-time) 12

Caretaker, Health Centre, Knaresborough Road 1

3. SCHOOL HEALTH SERVICE

A. School Medical Inspections

All new entrants to schools are medically examined but subsequent examinations are done on a selective basis. In 1971 there was a slight decrease in the number of pupils given a full medical examination and this was due, in the main, to the introduction of selective examinations for the school leaver age groups.

Defective vision requiring treatment formed 32.79% of the total defects.

Age Groups born	No. of pupils who have received a full medical examination	Physical Condition of Pupils Inspected		No. of Pupils found not to warrant a medical examination	Pupils found to require treatment (excluding dental diseases and infestation with vermin)		
		Satisfactory	Unsatisfactory		For defective vision (excluding squint)	For any other condition recorded at Part II	Total Individual pupils
1967 and later	39	39	—	—	1	5	6
1966	931	931	—	—	28	149	169
1965	568	568	—	—	21	103	123
1964	188	188	—	327	11	32	40
1963	345	345	—	580	31	85	106
1962	164	164	—	78	10	34	16
1961	172	172	—	53	8	24	30
1960	219	219	—	675	21	46	63
1959	143	143	—	430	19	24	39
1958	60	60	—	28	6	20	25
1957	47	47	—	28	7	7	13
1956 and earlier	170	170	—	620	18	23	37
TOTAL	3,046	3,046	—	2,819	181	552	667

B. Other Inspections

Number of Special inspections	502
Number of re-inspections	742
Total	1,244

C. Infestation with Vermin

- (a) Total number of individual examinations of pupils in schools by School Nurses or other authorised persons 8,518
- (b) Total number of individual pupils found to be infested 220
- (c) Number of individual pupils in respect of whom cleansing notices were issued (Section 54(2), Education Act, 1944) 18
- (d) Number of individual pupils in respect of whom cleansing orders were issued (Section 54(3), Education Act, 1944) —

2.6% of the children examined were found to have dirty heads, compared with 1.6% in 1970, and 1.7% in 1969.

D. Periodic and Special Inspections

Defect or Disease	Entrants		Leavers		Others		Total		Special Inspections	
	(T)	(O)	(T)	(O)	(T)	(O)	(T)	(O)	(T)	(O)
Skin ..	37	25	8	6	59	36	104	67	4	11
Eyes										
(a) Vision ..	29	72	18	28	134	127	181	227	42	85
(b) Squint ..	15	17	1	—	18	13	34	30	—	9
(c) Other ..	—	5	—	2	2	10	2	17	—	7
Ears										
(a) Hearing ..	2	70	—	5	18	55	20	130	—	5
(b) Otitis Media ..	2	9	1	2	9	10	12	21	—	6
(c) Other ..	—	2	—	2	5	1	5	5	—	2
Nose and Throat ..	10	52	2	1	33	60	45	113	2	8
Speech ..	21	18	—	—	26	21	47	39	3	5
Lymphatic Glands	1	6	—	—	4	6	5	12	1	1
Heart ..	1	7	1	3	14	14	16	24	2	14
Lungs ..	16	17	2	5	35	25	53	47	1	14
Developmental:										
(a) Hernia ..	—	3	—	—	5	1	5	4	—	—
(b) Other ..	6	19	—	4	22	40	28	63	2	7
Orthopaedic										
(a) Posture ..	—	3	1	—	2	6	3	9	—	—
(b) Feet ..	22	42	3	3	44	70	69	115	5	19
(c) Other ..	—	7	2	3	7	14	9	24	—	6
Nervous System:										
(a) Epilepsy ..	—	2	—	—	10	8	10	10	1	2
(b) Other ..	18	65	1	4	34	78	53	147	1	6
Psychological:										
(a) Development ..	1	5	1	2	9	16	11	23	1	5
(b) Stability ..	—	12	1	2	10	27	11	41	1	1
Abdomen ..	5	3	—	3	9	13	14	19	1	1
Other ..	15	7	—	1	16	22	31	30	7	4

(T) Treatment.

(O) Observation.

Eye Diseases, Defective Vision and Squint

	Number of Cases known to have been dealt with
External and other, excluding errors of refraction and squint	249
Errors of refraction (including squint)	279
Total	528
Number of Pupils for whom spectacles were prescribed	221

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	—
(b) for adenoids and chronic tonsillitis	168
(c) for other nose and throat conditions	56
Received other forms of treatment	29
Total	253

Total number of pupils in schools who are known to have been provided with hearing aids:—

(a) in 1971	—
(b) in previous years	12

Orthopaedic and Postural Defects

Number of pupils known to have been treated at clinics or out-patient departments	3
Pupils treated at school for postural defects	—

E. Handicapped Pupils

These are children who, by reason of physical or mental disability, need special educational treatment in ordinary or special schools.

359 children were on the register at the end of the year as detailed below:—

Category	In ordinary school	In special school	Not attending school	Home tuition
Blind	1	3	—	—
Partially sighted	7	4	—	—
Deaf	—	7	—	—
Partially hearing	10	7	—	—
Educationally sub-normal	71	117	6	—
Epileptic	5	3	—	—
Maladjusted	19	17	—	—
Physically handicapped ..	45	16	1	—
Delicate	—	1	—	—
Double defect	*11	†7	‡1	—
Total	169	182	8	—

*1 Phys. Hand/Malad.

1 Part Sight/Esn.

6 Phys. Hand/Esn.

2 ESN./Epileptic

1 Part. Sight/Malad.

†4 Phys.. Hand/Esn

2 malad/Esn.

1 Phys. Hand/Ment. Retarded

‡1 Phys. Hand/Esn.

F. Audiometry

Routine testing of school children from the age of seven years was continued by health visitors who have received special training in the use of the pure-tone audiometer. 1,572 school children in this group were tested in 1971, of whom 46 were referred for further investigation.

The health visitors are also trained in the methods of testing the hearing of the pre-school children from the age of six months onwards.

4. SPEECH THERAPY

A further Speech Therapist was appointed who works 3 days per week in Harrogate and Ripon and the rest of her time in another Division. This extra help has been of great assistance.

153 new cases were treated during the year and the treatment of 124 others was continued. Most of the treatment is carried out in schools but the Speech Therapists attend Dragon Parade Clinic, Harrogate, and Alma House Clinic, Ripon, and 37 domiciliary visits were made.

5. CARDIAC CLINIC

During 1971 a total of 11 sessions of the Cardiac Clinic were held, when 109 children made a total of 115 attendances. There were 15 new cases referred to the Cardiac Clinic, but these were children found to have heart defects at routine school medical examination. It is now the practice for infants with heart defects to be seen at the Paediatric Clinic at Harrogate General Hospital and, with the inevitable discharge of older children and no "intake" of babies, Cardiac Clinics can only be held at infrequent intervals.

During the period under review 5 children were transferred to the adult Cardiac Clinic at Harrogate Hospital, while 3 others left the area and 12 were returned to the care of their general practitioners. 2 children were referred to the Cardiac Unit in Leeds for further investigation.

6. CHILD GUIDANCE CLINIC

127 new cases, 89 boys and 38 girls, were seen during 1971. 116 of these cases were referred from this Division as follows:—

	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
Divisional Medical Officer	21	13	34
General Practitioners	16	6	22
Head-teachers	16	4	20
Parents	7	6	13
Paediatrician	13	5	18
Others	6	3	9
	<hr/> 79	<hr/> 37	<hr/> 116

Dr. Elizabeth Gore, the Consultant Psychiatrist, reports below:

"The total of new cases referred in Division 7 shows an increase of 15 over the year, with a relative increase in the number of girls. A very much larger number of cases were referred to the clinic from the Paediatrician, but these, except for two cases, were referred for advice only. There was also an increase in the number of cases referred from General Practitioners.

Mr. Popplewell took up his appointment as Remedial Teacher in January, 1971. He has continued and developed the work in the morning play therapy group, with slightly bigger numbers. It is a matter of great concern that this work, which we consider so valuable in saving children from being recommended for residential placement, must apparently be discontinued after Easter because the premises now being used will no longer be available and no alternative accommodation can be found.

During 1971 the Social Services Department was being developed and we are glad to feel that we have a fruitful and close relationship with the department in Harrogate. Mutual discussions have helped to prevent duplication of work, and we have been able in a number of instances to hand over cases and families for supervision by the Social Services Department where this was more appropriate. We have also found the Department helpful in cases where the children are away at school. This has meant that we have had more time to work with the other children and their families. In addition the development of the School Counselling system and a closer co-operation with the Educational Welfare Department has meant that, where suitable, they have been able to deal in whole or in part with children with whom we might otherwise have been heavily involved.

These contacts have been in addition to the ones already established with Health Visitors, Head Teachers and a number of the Family Doctors. Most important perhaps had been the continued close contact with Dr. Hepple and his Medical Officers.

We have continued to have Social Work Students from Leeds, from the West Riding and also students taking their Diploma in Primary Education from Leeds University, and a number of others".

7. CARE OF MOTHERS AND YOUNG CHILDREN

(a) Births

Return of Births Notified in the Divisional Area during the Year

DETAILS	BIRTHS				TOTAL
	Domiciliary		Institutional		
	Live	Still	Live	Still	
(a) Primary notifications	45	—	2,087	24	2,156
(b) Add Inward Transfers	—	—	62	—	62
(c) Total Notifications received	45	—	2,149	24	2,218
(d) Deduct Outward Transfers	1	—	596	9	606
(e) Total adjusted births	44	—	1,553	15	1,612
ANALYSIS OF INSTITUTIONAL BIRTHS					
Born in					
(a) Hospitals			1,552	15	
(b) Maternity Homes			1	—	
(c) Nursing Homes			—	—	
TOTAL			1,553	15	

Only 3.8% of births to residents of the Division took place at home.

(b) Ante-Natal and Post Natal Clinics

Name and Address of Ante-natal/Post-natal Clinic (whether held at Infant Welfare Centre or other premises)	No. of separate sessions held during year					No. of women in attendance (including those seen at combined infant welfare & ante- natal sessions)		Total No. of attendances (including those seen at combined infant welfare and ante- natal sessions)	
	Local Health Authority Medical Officers	Midwives (excluding mother- craft & re- laxation)	General practi- tioners employed on sessional basis	Hosp- ital Med. Staff	Total	A/N	P/N	A/N	P/N
2, Dragon Parade, Harrogate	—	28	—	—	28	11	—	38	—
Fysche Hall, Iles Lane Knaresborough	—	45	—	—	45	12	—	85	—
Totals	—	73	—	—	73	23	—	123	—

(c) Ante-Natal Mothercraft and Relaxation Classes.

Name and Address of Centre	No. of sessions held during the year		No. of women who attended during the year			Total number of attendances made during the year		
	Separate Sessions	Combined with A/N. clinic sessions	Institutionally booked	Domiciliary booked	Total	Institutionally booked	Domiciliary booked	Total
2 Dragon Parade, Harrogate	78	—	91	—	91	456	—	456
Health Centre, Knaresborough Road, Harrogate	88	—	94	—	94	478	—	478
217A Skipton Road, Harrogate	96	—	107	1	108	597	6	603
Fysche Hall, Iles Lane, Knaresbro'	46	—	64	—	64	443	—	443
Church Hall, Upper Poppleton	—	—	—	—	—	—	—	—
Health Centre, Boroughbridge	45	—	34	—	34	206	—	206
Alma House, Ripon	48	—	52	—	52	337	—	337
Claro Barracks, Ripon	10	—	8	—	8	35	—	35
Menwith Hill, American Base	31	—	25	—	25	112	—	112
Health Centre, Pateley Bridge	25	—	25	—	25	59	—	59
Totals	467	—	500	1	501	2,723	6	2,729

(d) Infant Welfare Centres

Name and Address of Centre	No. of Infant Welfare Sessions held during year by				Total	No. of children who attended for the first time during the year and who were born in			Total No. of children who attended during the year	No. of attendances during the year made by children who were born in			Total attendances during the year
	Local Health Authority Medical Officers	Health Visitors only	General practitioners employed on sessional basis	Hospital Medical Staff		1971	1970	1966/1969		1971	1970	1966/1969	
Central Clinic, Dragon Parade, Harrogate	48	—	—	—	48	75	82	52	209	442	416	134	992
Health Centre, Knaresborough Road	52	—	—	—	52	137	178	95	410	1,130	864	342	2,336
217A Skipton Road, Harrogate	—	53	48	—	101	264	264	278	806	2,371	2,040	628	5,039
St. Mark's Parochial Hall, Harrogate	—	—	24	—	24	32	34	12	78	186	244	41	471
Methodist Buildings, College Rd., Harrogate	24	—	—	—	24	35	43	24	102	240	302	48	590
Pannal Memorial Hall, Pannal, Harrogate	—	—	11	—	11	10	10	10	30	28	26	21	75
Penny Pot Lane, Harrogate (Army premises)	—	16	—	—	16	12	11	6	29	22	47	8	77
Fysche Hall, Iles Lane, Knaresborough	96	—	—	—	96	131	159	158	448	1,181	1,087	805	3,073
Health Centre Boroughbridge	26	—	—	—	26	27	26	27	80	202	232	112	546
Church Hall, Upper Poppleton	51	—	—	—	51	34	58	69	161	266	407	174	847
Alma House, Ripon	36	—	—	—	36	22	57	50	129	126	233	115	474
Claro Barracks, Ripon	—	13	—	—	13	35	47	18	100	143	180	92	415
Health Centre, Summerbridge	—	—	12	—	12	14	22	19	55	39	114	67	220
Mobile Clinic	149	—	284	—	433	199	210	214	623	875	918	562	2,355
Totals	482	82	379	—	943	1,027	1,201	1,032	3,260	7,251	7,110	3,149	17,510

In addition, the Mobile Clinic provides infant welfare centre services in the rural areas as follows:—

Killinghall	Friday	Fortnightly
Hampsthwaite	"	"
Bishop Monkton	Friday	Monthly
Lead Lane, Ripon	"	"
Burton Leonard	Friday	Monthly
Staveley	"	"
Scotton	"	"
Burnt Yates	Monday	Monthly
Ramsgill	"	"
Lofthouse	"	"
Glasshouses	"	"
Heyshaw Lane End	"	"
Darley	"	"
Burley Avenue, Army Premises	"	"
Markington	Monday	Monthly
Bishop Thornton	"	"
Shaw Mills	"	"
Birstwith	"	"
H.M.S. Forest Moor	"	"
Burley Avenue, Army Premises	"	"
Studley Roger	Tuesday	Monthly
Aldfield	"	"
Sawley	"	"
Grantley	"	"
Winksley	"	"
Nunwick	"	"
Copt Hewick	"	"
Skelton	"	"
Kirkby Malzeard	Tuesday	Monthly
Grewelthorpe	"	"
Ripon Army Camp	"	"
Hunsingore	Wednesday	Monthly
Whixley	"	"
Marton	"	"
Grafton	"	"
Little Ouseburn	"	"
Great Ouseburn	"	"
Green Hammerton	Wednesday	Monthly
Kirk Hammerton	"	"
Nun Monkton	"	"
Moor Monkton	"	"
Rufforth	"	"

(e) Routine Tests on Young Babies

One type of mental handicap is caused by an inability to metabolise one of the amino acids in food. In order to prevent damage to the brain of these children it is essential to find them within the first weeks of life and give them a special diet. All babies therefore have a routine blood test on their sixth day, either in the maternity hospital or at home by County Council midwives, in order to exclude this disability. No cases were discovered during the year.

Congenital dislocation of the hip is a crippling deformity which is most largely prevented by early ascertainment and treatment. Fortunately there is a simple test—the Ortolani test—which can be carried out by nursing and medical staff when young babies are first seen.

Seven children were referred for specialist opinion during 1971. Two of these were confirmed as cases and four were referred for further investigation. Three children were found not to have dislocated hips.

(f) Dental Care

The arrangements for dental treatment of expectant and nursing mothers continue.

(g) Care of Premature Infants

A premature infant can be defined for practical purposes as one which weighs $5\frac{1}{2}$ lbs. or less at birth.

These small infants are particularly liable to damage from cold and feeding difficulties and need special care.

The County Council provides specially heated incubator cots for ambulance transport of these children.

During 1971 there were 93 live and 10 stillbirths on infants of $5\frac{1}{2}$ lbs. or less born to mothers normally resident in the division. 84 of these survived over twenty-eight days and 9 died in the first four weeks.

(h) Inspection of Children at Day and Residential Nurseries and County Children's Homes

Medical inspections and immunisation are carried out at the Day and Residential Nurseries and County Children's Homes by the medical staff of the Department. In addition all children in the residential nurseries and homes are examined on admission and discharge and any medical problems dealt with.

8. MIDWIFERY

The midwifery staff of the Division consists of 1 Nursing Officer (Home Nurse Midwife), 4 whole-time midwives and 11 midwives who are also home nurses.

In addition to attending 40 home confinements in 1971, the midwives visited 1,071 hospital and maternity home patients who went home before the tenth day. 314 of these patients were discharged home at forty-eight hours, 309 were discharged after forty-eight hours but up to and including the fifth day and 448 after the fifth but before the tenth day. Twice daily visits are made during the first three days of puerperium and daily visits thereafter, up to the tenth day.

Owing to the shortage of accommodation in the maternity units of the Harrogate and Ripon Hospitals and the York Maternity Home, applications for maternity beds made on social grounds are investigated by the domiciliary midwives.

The Obstetric Flying Squad from the Harrogate Hospital was called out on 3 occasions during the year.

Analgesia

Analgesia was administered by County Council midwives to domiciliary patients as follows:—

Trilene	11
Pethidine	3
Trilene and Pethidine	12

9. HEALTH VISITING

2 Nursing Officers (Health Visitor), 19 full-time health visitors, 2 part-time health visitors, 3 full-time assistants to health visitor and 6 part-time assistants to health visitor were employed in the Division at the end of the year. All the full-time health visitors are attached to general practitioners.

1 full-time health visitor and 1 part-time health visitor do tuberculosis visiting and maintain liaison between the Health Department and the chest physicians. Another is largely occupied with the admission and discharge of elderly people to hospitals, old people's homes and Part III accommodation, working closely with the Geriatric Unit at Knaresborough Hospital.

Like the rest of the nursing staff, the health visitors work under the general direction of the Divisional Nursing Officer.

The following table shows categories of visits made:—

	No. of cases i.e., first visits
1. Total number of cases	9,005
2. Children born in 1971	1,682
3. Children born in 1970	1,532
4. Children born in 1966-69	2,958
5. Total number of children in lines 2-4	6,172
6. Persons aged 65 or over (excluding "domestic help only" visits)	1,561
7. Number included in line 6 who were visited at the special request of a general practitioner or hospital ..	782
8. Mentally disordered persons	39
9. Number included in line 8 who were visited at the special request of a general practitioner or hospital ..	26
10. Persons, excluding maternity cases, discharged from hospital (other than mental hospitals)	108
11. Number included in line 10 who were visited at the special request of a general practitioner or hospital ..	79
12. Number of tuberculous households visited (i.e., visits by health visitors not employed solely on tuberculosis work)	40
13. Number of households visited on account of other infectious diseases	32
14. Other cases	1,053

10. HOME NURSING

13 home nurses, 3 part-time home nurses, and 11 home nurse-midwives were nursing in the Division at the end of the year. Almost all the Home Nurses are attached to General Practitioners.

The following table gives classification of the work carried out:

Classification	No. of cases attended by Home Nurses during the year	No. of visits paid by Home Nurses during the year
Medical	1,742	52,341
Surgical	443	12,711
Infectious diseases	8	163
Tuberculosis	26	263
Maternal complications	73	653
Other	35	289
TOTALS ..	2,327	66,420
Patients included above who were aged 65 or over at the time of the first visit during the year ..	1,684	50,295
Children included above who were under 5 years of age at the time of the first visit during the year	34	169
Patients included above who have had more than 24 visits during the year	669	51,179

11. VACCINATION AND IMMUNISATION

Protection is offered against diphtheria, whooping cough and tetanus, poliomyelitis, measles, and rubella.

(a) Vaccination of Persons under 16 years completed during 1971 Completed Primary Courses

Type of vaccine or dose	Year of Birth					Others under age 16	Total
	1971	1970	1969	1968	1964-1967		
Triple (Diphtheria/Tetanus/Whooping Cough)	16	1,061	280	20	4	—	1,381
Diphtheria/Tetanus	—	15	5	2	9	2	33
Diphtheria	—	—	—	—	—	—	—
Tetanus	—	1	—	—	1	8	10
Poliomyelitis	17	1,077	288	24	19	16	1,441
Measles	1	429	378	87	100	3	998
Rubella	—	—	—	—	—	1,720	1,720

Reinforcing Doses

Type of vaccine or dose	Year of Birth					Others under age 16	Total
	1971	1970	1969	1968	1964-1967		
Triple (Diphtheria/Tetanus/Whooping Cough)	—	24	14	5	104	17	164
Diphtheria/Tetanus	—	1	4	6	936	126	1,073
Diphtheria	—	—	1	—	6	6	13
Tetanus	—	—	3	3	27	122	155
Poliomyelitis	1	24	18	10	1,047	92	1,192

(b) Vaccination Against Smallpox

The Local Authority vaccination scheme was terminated in July, 1971, in response to Government policy.

The numbers in different age groups vaccinated or re-vaccinated during the first half of the year are shown below:—

Age at Date of Vaccination	Under 1	1	2—4	5—15	Total
No. Vaccinated ..	8	3	6	5	22
No. Re-vaccinated ..	—	2	4	6	12

(c) B.C.G. Vaccination

B.C.G. Vaccination was again offered to all children 13 years of age and over attending schools in the area.

The following are details of work carried out:—

1. No. of Medical Officers (including Divisional Medical Officer) approved to undertake B.C.G. Vaccination 5
2. Acceptances
 - (a) No. of children offered tuberculin testing and vaccination if necessary (whether the offer was made during the year or previously) 1,642
 - (b) No. of (a) found to have been vaccinated previously 46
 - (c) No. of acceptances 1,473
 - (d) Percentage of acceptances 89.70%
3. Pre-Vaccination Tuberculin Test
 - (a) No. of children 2(c) tested 1,410
 - (b) Result of Heaf Test: (i) Positive 97
(ii) Negative 1,237
(iii) Not ascertained 76
 - (c) Percentage positive 6.87%
4. Vaccination
 - No. vaccinated following negative Heaf Test ... 1,161

12. PREVENTION, CARE AND AFTER-CARE OF TUBERCULOSIS

The Chest Physicians hold sessions once a week at Scotton Banks Hospital, twice a week at Harrogate General Hospital and once a week at Ripon and District Hospital. The health visitors who do tuberculosis visiting attend the clinics at the Harrogate and Ripon Hospitals.

The Chest Physician reports as follows:—

13 names were added to the Tuberculosis Register during 1971. 7 males and 4 females were suffering from pulmonary tuberculosis, 1 male from T.B. spine, and 1 female child from tubercular meningitis. In addition there was one posthumous notification of pulmonary tuberculosis in a female.

24 names were removed from the register. 6 males and 3 females recovered from pulmonary tuberculosis and 1 female from T.B. hip; 5 males and 2 females died; 2 males and 3 females left the district; and 2 males who were suffering from pulmonary tuberculosis were lost sight of.

211 contacts were seen at the Harrogate Chest Clinic during the course of the year. In addition two groups of school children were examined. One was a group of 25 children of various ages and from various schools who were contacts of a school dentist living in another area. This group was checked at Harrogate Chest Clinic. The other was a group of 16 boys who were contacts of a pupil teacher and were seen at Scotton Banks Chest Clinic.

Tine testing was carried out as follows:—

Harrogate Chest Clinic and Scotton Banks Hospital ..	127
Negative results	55
Positive results	72
Vaccinated	52
Babies vaccinated at birth	19

13. CERVICAL CYTOLOGY

A screening test for the detection of cancer of the cervix is offered to all married women. Sessions were held once or twice weekly at the Clinic, 2 Dragon Parade, Harrogate, once or twice monthly at Alma House Clinic, Ripon, and as required at the Health Centre, Pateley Bridge. In addition 13 sessions were held in suitable office premises for the convenience of the staff.

838 women attended the Harrogate sessions, 259 women attended the Ripon sessions, 18 women attended the Pateley Bridge sessions, and 241 women attended the sessions held in the office premises. There were 5 positive smears.

It is desirable to repeat the smear test at least every five years and in certain circumstances possibly each year. Women over the age of thirty, especially those with large families and particularly those in the lower income groups are the ones most at risk. There are still large numbers of women in these groups who have never come forward for a test.

14. CHIROPODY

Much pain and disability is associated with minor foot ailments, many of which are amenable to treatment. The chiropody service provides this for old people, expectant and nursing mothers, and for the physically disabled.

Periodic sessions are held in Harrogate, Ripon, Knaresborough, Pateley Bridge, Boroughbridge, Poppleton, Nun Monkton, Whixley, Kirk Hammerton, Bishop Monkton, Burton Leonard, Kirkby Malzeard, Grewelthorpe and Great Ouseburn. Many of these are organised by voluntary associations on behalf of the department, and I am very grateful to those who undertake this valuable voluntary work.

There is also a domiciliary service for those who are unfit to attend a clinic session.

The chiropodists work part-time and the demand for their services tends to outstrip the service available.

15. REGISTRATION OF NURSING HOMES

There were 15 registered nursing homes with a total of 314 beds in the Division at the end of the year. Twenty visits of inspection were made.

16. REGISTRATION OF OLD PEOPLE'S HOMES

The 28 old people's homes registered in the area were visited by the Divisional Medical Officer in conjunction with the Divisional Welfare Officer.

17. MEDICAL EXAMINATION OF STAFF, etc.

A total of 403 medical examinations of staff, etc. were carried out during the year. New members of the West Riding staff are medically examined only if they have a significant medical history or are over forty-five years old, a policy which reduces work for the medical staff.

The medical examinations carried out were in the following categories:—

West Riding County Council	61
District Councils in the Division	7
Other Authorities	12
Applicants for Training Colleges	141
Employment of Children (including in entertainments) ..	73
School Meals Staff	109

18. HEALTH EDUCATION

Health education has continued along much the same lines as in previous years, but nearly all the health visitors, midwives and district nurse/midwives have taken an active part in this year's programme.

Health education in schools has been extended to include some of the primary schools where we have had a small programme on general health. In Granby Park Secondary Modern School we have had two programmes running—an intensive course for selected girls on mothercraft and a programme for girls and boys on general health subjects.

We have been active with Girl Guides, Brownies and Red Cross, giving lectures on child care, home nursing (by two district nurses), and accident prevention, etc. and have acted as examinees at a number of examinations especially for the Brownies, who are very keen on home accident prevention.

The interest shown in relaxation classes is very encouraging and, in Ripon, one session in the course of eight is given in the evening so that both husbands and wives can attend together. In Harrogate a number of people have been unable to attend classes because they are still at work. An evening class was attempted but was poorly attended and we are now thinking along the lines of about three evening classes early in pregnancy for working "mothers-to-be" followed by a short day-time course when they are free to attend. We are also thinking of a class for late bookings.

A mothers' afternoon club at Ripon has been established and is well attended as are the other three clubs at Harrogate, Knaresborough and Pateley Bridge.

Talks, lectures and film shows on a variety of subjects have been given to Youth Clubs, Friendship Clubs, etc. by various members of staff and this side of health education is much enjoyed.

AMBULANCE SERVICE

This is a separate service in the West Riding. There is an Ambulance Station in Harrogate with a Superintendent Ambulance Officer in charge. Sub-depots in both Ripon and Pateley Bridge are manned by members of the respective divisions of the St. John Ambulance Brigade who give excellent service. Communication is maintained by short wave radio.

HOSPITALS UNDER THE MANAGEMENT OF THE REGIONAL HOSPITAL BOARD

Name	Situation	Purpose	Beds	
			Adults	Children
Harrogate & District General Hospital	Knaresborough Rd., Harrogate	Medical, Surgical, Maternity	239	25
Carlton Lodge Maternity Home	Leeds Road, Harrogate	Maternity	13	—
Royal Bath Hospital	Cornwall Road, Harrogate	Rheumatic Diseases	160	—
Yorkshire Home	Cornwall Road, Harrogate	Chronic Sick Cases	71	—
Ripon & District Hospital	Firby Lane, Ripon	Medical, Surgical, Maternity	50	7
St. Wilfrid's Hospital	Princess Road, Ripon	Chronic Sick	32	—
Thistle Hill Hospital	Thistle Hill, Knaresborough	Geriatrics	51	—
Scotton Banks Hospital	Ripley Road, Knaresborough	Ophthalmic	4	—
Do.	do.	Paediatrics	—	21
Do.	do.	General Surgery	26	—
Do.	do.	Gynaecology	27	—
Do.	do.	Diseases of Chest	72	—
Do.	do.	Young Chronic Sick	34	—
Do.	do.	Medical	22	—
Do.	do.	Private Wing Sect. 5	16	—
		do. Sect. 4	8	—
Knaresborough Hosp.	Stockwell Road, Knaresborough	Chronic Sick	134	—

PREVALENCE AND CONTROL OVER INFECTIOUS AND OTHER DISEASES—1971

		Measles (exclud- ing rubella)		Dysentery (amoebic or bacillary)		Scarlet fever		Whoop- ing cough		Infective Jaundice		TUBERCULOSIS			
												Respir- atory		Meninges and C.N.S.	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 year ..	..	3	2	—	—	—	—	—	—	—	—	—	—	—	—
1 year ..	..	9	9	—	—	—	—	—	—	—	—	—	—	—	—
2 years ..	..	8	6	—	—	—	—	—	—	—	—	—	—	—	—
3 years ..	..	13	10	—	—	—	—	—	—	—	—	—	—	—	—
4 years ..	..	12	12	—	—	—	—	—	—	—	—	—	—	—	—
5—9 years ..	..	37	23	—	—	—	—	—	—	—	—	—	—	—	—
10—14 years ..	..	2	—	—	—	—	—	—	—	—	—	—	—	—	—
15—19 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20—24 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25—34 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35—44 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—54 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—64 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65—74 years ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75 and over ..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown..	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (all ages)	..	84	62	—	—	15	20	16	27	3	4	5	2	1	1

Prevalence and Control over Infectious Diseases—continued

		Diphtheria		Tetanus		Acute meningitis		Acute encephalitis				Ophthalmia neonatorum		Acute poliomyelitis	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 year	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5—9 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10—14 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15—19 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20—24 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25—34 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35—44 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—54 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—64 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65—74 years	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75 and over	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (all ages)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Prevalence and Control Over Infectious Diseases—continued

	Malaria									
	Contracted naturally				Induced					
	Lepto- spiro- sis		Para- typhoid fever		Typhoid fever		Food poisoning (excluding dysentery, para-typhoid fevers)		Abroad	
	M	F	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—	—	—
1 year	—	—	—	—	—	—	—	—	—	—
2 years	—	—	—	—	—	—	—	—	—	—
3 years	—	—	—	—	—	—	—	—	—	—
4 years	—	—	—	—	—	—	—	—	—	—
5—9 years	—	—	—	—	—	—	1	—	—	—
10—14 years	—	—	—	—	—	—	2	—	—	—
15—19 years	—	—	—	—	—	—	—	—	—	—
20—24 years	—	—	—	—	—	—	—	—	—	—
25—34 years	—	—	—	—	—	—	—	—	—	—
35—44 years	—	—	—	—	—	—	—	—	—	—
45—54 years	—	—	—	—	—	—	—	—	—	—
55—64 years	—	—	—	—	—	—	—	—	—	—
65—74 years	—	—	—	—	—	—	—	—	—	—
75 and over	—	—	—	—	—	—	—	—	—	—
Age unknown	—	—	—	—	—	—	—	—	—	—
Total (all ages)	—	—	—	1	—	—	8	5	—	—

Prevalence and Control Over Infectious Diseases—continued

	Plague		Cholera		Anthrax		Smallpox		Typhus fever		Relapsing fever		Yellow fever	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5—9 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10—14 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15—19 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20—24 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25—34 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35—44 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—54 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—64 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65—74 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75 and over	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (all ages)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Measles

146 notifications were received compared with 876 in 1970, which gave a notification rate of 2.30 per 1,000 population.

Scarlet Fever

There were 35 notifications during the year, compared with 19 in 1970, a rate of 0.55 per 1,000 population.

Whooping Cough

43 cases were notified, compared with 3 in the previous year, giving a notification rate of 0.68.

Infective Jaundice

7 cases were notified in 1971 compared with 8 in 1970. The notification rate was 0.11 per 1,000 population.

Ophthalmia Neonatorum.

One case was notified. It was probably due to *Streptococcus pneumoniae* infection and made a good recovery.

Paratyphoid Fever

A ward orderly aged twenty-six was discovered to be excreting *S. paratyphi* B after a cholecystectomy in Leeds. The source of infection remained obscure.

Food Poisoning

13 cases were notified during the year, 2 of which occurred in August and 7 in September. All were due to Group B *Salmonella* infection and occurred sporadically.

Two were thought to be due to frozen chicken, one to steak, and one to ice cream bought at a seaside town.

The source of infection was not discovered in the other cases.

Tuberculosis

There were 7 new cases of pulmonary tuberculosis and 2 of non-pulmonary tuberculosis notified during the year.

The Corporation gives priority to cases of tuberculosis who need rehousing.

The following table gives details from the Tuberculosis Register:

	Pulmonary		Non-Pulmonary		Total
	M	F	M	F	
Number on Register at 1st January, 1971	73	30	—	3	106
New notifications in 1971 ..	5	2	1	1	9
Number restored to Register ..	—	—	—	—	—
Number added to Register otherwise than by notification ..	1	—	—	—	1
Number removed from Register in 1971	10	6	—	—	16
Number on Register at 31st December, 1971	69	26	1	4	100

Prevalence and Control over Infectious and Other Diseases.—1971

	Measles (excluding rubella)		Dysentery (amoebic or bacillary)		Scarlet fever		Whooping cough		Infective Jaundice		TUBERCULOSIS			
	M	F	M	F	M	F	M	F	M	F	Respiratory	Meninges and C.N.S.	Other forms	
Under 1 year ..	1	3	—	—	—	—	—	—	—	—	—	—	—	—
1 year ..	2	3	—	—	—	—	—	—	—	—	—	—	—	—
2 years ..	4	1	—	—	—	—	—	—	—	—	—	—	—	—
3 years ..	2	2	—	—	—	—	—	—	—	—	—	—	—	—
4 years ..	5	3	—	—	—	—	1	—	—	—	—	—	—	—
5—9 years ..	5	5	—	—	1	1	2	1	3	—	—	—	—	—
10—14 years ..	1	1	—	—	—	—	—	—	1	—	—	—	—	—
15—19 years ..	—	—	—	—	—	1	—	—	—	—	—	—	—	—
20—24 years ..	—	—	—	—	—	—	—	—	—	2	—	—	—	—
25—34 years ..	—	—	—	—	—	—	—	—	2	2	1	—	—	—
35—44 years ..	—	—	—	—	—	—	—	—	—	1	—	—	—	—
45—54 years ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—64 years ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65—74 years ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75 and over ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (all ages)	20	18	—	—	1	2	3	1	6	5	—	—	—	—

Prevalence and Control over Infectious and Other Diseases—cont.

	Diphtheria		Tetanus		Acute meningitis		Acute encephalitis			Ophthalmia neonatorum		Acute poliomyelitis		
	M	F	M	F	M	F	M	F	Post infectious	M	F	Paralytic	M	Non-paralytic
Under 1 year
1 year
2 years
3 years
4 years
5—9 years
10—14 years
15—19 years
20—24 years
25—34 years
35—44 years
45—54 years
55—64 years
65—74 years
75 and over
Age unknown
Total (all ages)

Prevalence and Control over Infectious and Other Diseases—cont.

	Lepto- spiro- sis	Para- typhoid fever	Typhoid fever	Food poisoning (excluding dysentery, para-typhoid fevers)	Malaria			
					Contracted naturally		Induced	
					In Great Britain	Abroad	Accident- ally	Therap- eutically
					M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—
1 year	—	—	—	—	—	—	—	—
2 years	—	—	—	—	—	—	—	—
3 years	—	—	—	—	—	—	—	—
4 years	—	—	—	—	—	—	—	—
5—9 years	—	—	—	—	—	—	—	—
10—14 years	—	—	—	—	—	—	—	—
15—19 years	—	—	—	—	—	—	—	—
20—24 years	—	—	—	—	—	—	—	—
25—34 years	—	—	—	—	—	—	—	—
35—44 years	—	—	—	—	—	—	—	—
45—54 years	—	—	—	—	—	—	—	—
55—64 years	—	—	—	—	—	—	—	—
65—74 years	—	—	—	—	—	—	—	—
75 and over	—	—	—	—	—	—	—	—
Age unknown	—	—	—	—	—	—	—	—
Total (all ages)	—	—	—	—	—	—	—	—

Prevalence and Control over Infectious and Other Diseases—cont.

	Plague		Cholera		Anthrax		Smallpox		Typhus fever		Relapsing fever		Yellow fever	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5—9 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10—14 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15—19 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20—24 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25—34 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35—44 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—54 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—64 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65—74 years	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75 and over ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (all ages)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Measles

38 cases were notified in 1971 compared with 231 in 1970. This gave a notification rate of 3.2 per thousand population.

Scarlet Fever

3 notifications were received during the year compared with 3 for 1970, which gave a notification rate of 0.26 per thousand population.

Infective Jaundice.

11 cases occurred during the year, giving a notification rate of 0.94 per thousand population. There were 22 cases in 1970.

Whooping Cough

4 cases were notified in 1971 which gave a notification rate of 0.34 per thousand population. There were no cases the previous year.

Poliomyelitis

No notifications were received for the nineteenth year in succession.

Tuberculosis

1 new case of pulmonary tuberculosis was notified in a female aged thirty-two.

The following table gives details from the Tuberculosis Register:

	Pulmonary		Non-Pulmonary		Total
	M	F	M	F	
Number on Register at 1st January 1971	6	2	—	1	9
New notifications in 1971	—	1	—	—	1
Number restored to Register	—	—	—	—	—
Number added to Register otherwise than by notification	—	—	—	—	—
Number removed from Register in 1971	1	—	—	1	2
Number on Register at 31st December, 1971	5	3	—	—	8

ANNUAL REPORT OF THE PUBLIC HEALTH INSPECTOR FOR THE YEAR 1971

To the Chairman and Members of the
Knaresborough Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the Public Health and Cleansing Services for the year 1971.

Grant applications are rising very quickly and, I feel, must reach a peak very soon. As I have stated elsewhere in my report, the grants have a great value in improving the older housing stock of the town. Although inevitably, they do attract speculators in search of a quick profit, the houses are improved and this is what is important.

In the field of refuse collection, problems have been encountered due to holidays and sickness, but the men have worked well, with very few complaints and I feel that the bin bonus scheme is largely responsible for the fact that we have been able to carry out a weekly service with very few exceptions, using such a small staff.

I hope that refuse disposal problems will become past history, following our agreement with Harrogate Corporation.

I must thank the members of the Council and Dr. Hepple for their help and encouragement throughout the year, while the problems would have been much greater without the assistance of the the staff of the Department.

I am Mr. Chairman, Ladies and Gentlemen,

Yours faithfully,

J. D. ANDREWS,
Public Health Inspector.

SANITARY INSPECTION OF THE AREA

Total number of inspections and visits made	.. ..	2,503
Complaints reported to the Public Health Department	..	170
Contraventions found after complaint	.. ..	163
Contraventions discovered	.. ..	24
Contraventions in hand at 31.12.70	.. ..	11
Number abated during 1971	.. ..	188
Contraventions outstanding at 31.12.71	.. ..	9
Informal notices served	.. ..	186
Formal notices served	.. ..	—
Formal notices complied with	.. ..	—

DETAILS OF INSPECTIONS

Public Health Acts, 1936—1961:	
Obstructed drains and sewers	23
Drainage and sewer inspections	70
Drains tested:—	
Colour Test	12
Water Test	—
Nuisances and sanitary defects	194
Cleanliness of houses	1
Keeping of animals	3
Insect infestations	30
Rivers, streams and ditches	1
Infectious diseases	18
Disinfestations	30
Unsewered premises	9
Re-inspections—Public Health Acts	180
Public Cleansing Services:—	
Refuse Collection	37
Refuse Disposal	103
Prevention of Damage by Pests Act, 1949	121
Caravan Sites and Control of Development Act, 1960	15
Clean Air Act, 1956	—
Noise Abatement Act, 1960	15
Factories Act, 1937:—	
Part 1	12
Outworkers	1
Pet Animals Act, 1951	3
Offices, Shops and Railway Premises Act, 1963	140
Hairdressers and Barbers	3

Housing Acts, 1957-1969:—						
Survey and Inspection	..	..	..	..	..	34
Overcrowding	..	..	..	..	..	—
Miscellaneous visits	..	..	..	..	..	32
Improvement Grants	..	..	..	..	..	450
Council House Inspections	..	..	..	..	..	3
Food & Drugs Act, 1955:—						
Fried Fish Shops	..	..	..	..	..	6
Butcher's Shops	..	..	..	..	..	15
Bakehouses	..	..	..	..	..	3
General Provisions	..	..	..	..	..	86
Hotel, Cafe & Canteen Kitchens	..	..	..	..	..	20
Ice Cream Premises and selling	..	..	..	..	..	30
Hotel and Licensed premises	..	..	..	..	..	4
Unsound Food	..	..	..	..	..	8
Miscellaneous Food Visits	..	..	..	..	..	—
Food Hawkers, Food Hawkers' premises and vehicles	..	..	..	..	..	2
Slaughterhouse	..	..	..	..	..	155
Market Inspection	..	..	..	..	..	28
Food Stalls	..	..	..	..	..	28
Meetings and Interviews	..	..	..	..	..	201
No access	..	..	..	..	..	130

SUMMARY OF WORK CARRIED OUT TO ABATE NUISANCES, 1971

Eavesgutters and fallpipes repaired or renewed	..	..	..	..	..	4
Defective roofs repaired	..	..	..	..	..	2
Wall and ceiling plaster repaired	..	..	..	..	..	25
Defective drains cleared, repaired or re-laid	..	..	..	..	..	20
Defective windows repaired	..	..	..	..	..	10
Defective doors repaired	..	..	..	..	..	9
New sinks provided	..	..	..	..	..	50
Cleanliness of houses improved	..	..	..	..	..	—
Natural lighting improved	..	..	..	..	..	26
Accumulation of refuse removed	..	..	..	..	..	4
Defective W.Cs repaired	..	..	..	..	..	4
New dustbins provided	..	..	..	..	..	63
External walls rendered or pointed	..	..	..	..	..	8
Cesspools cleaned	..	..	..	..	..	8
Works to remedy dampness carried out	..	..	..	..	..	50
Insect nuisances abated	..	..	..	..	..	27

CIRCUMSTANCES OF THE AREA WATER SUPPLY.

The Claro Water Board, of which the Council is a constituent member, is responsible for the supply and distribution of water throughout the area.

The following table shows details of water samples taken in the area and submitted for bacteriological analysis:—

Source of Supply	No. of Samples	Probable No. per 100ml.		Result
		Coliform bacilli	Bact-Coli (Type 1)	
Public Supply	11 4 Chemical	Nil	Nil	Satisfactory

During the year mains extension was provided to the following site:—

Manor Road

KNACKERS YARD

This has now closed down.

HAIRDRESSERS AND BARBERS

3 visits were paid to hairdressers' premises registered under the West Riding (General Purposes) Act. They were found to be satisfactory.

NOISE ABATEMENT ACT, 1960

5 visits were paid in respect of 1 alleged noise nuisance. No statutory action was necessary.

OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963

Registrations and General Inspections

Class of Premises	Number of premises registered during the year	Number of registered premises at end of year	Number of registered premises receiving a general inspection during the year
Offices	4	33	6
Retail Shops	5	72	17
Wholesale shops, Warehouses	—	3	1
Catering establishments open to the public, canteens	—	19	8
Fuel Storage Depots ..	—	1	—
Total ..	9	128	32

Total number of visits of all kinds to registered premises under the Act 140

Analysis of Persons Employed in Registered Premises by Workplace:

Class of workplace	Number of persons employed
Offices	193
Retail Shops	252
Wholesale departments, warehouse	28
Catering establishments open to the public	111
Canteens	—
Fuel Storage depots	2
Total	586
Total Males	210
Total Females	376

Analysis of Contraventions

Section	Number of Contraventions found
4 Cleanliness	15
5 Overcrowding	—
6 Temperature	6
7 Ventilation	—
8 Lighting	4
9 Sanitary conveniences	9
10 Washing Facilities	1
11 Supply of Drinking Water	—
12 Clothing Accommodation	4
13 Sitting Facilities	1
14 Seats (Sedentary workers)	—
15 Eating Facilities	—
16 Floors, Passages and Stairs	8
17 Fencing exposed parts machinery	—
18 Protection of young persons working from dangerous machinery	—
19 Training of young persons working at dangerous machinery	—
24 First Aid—General Provisions	7
49 Registration of premises	2
50 Information for employees	4
Total	61

Reported Accidents

During the year only 2 accidents were reported, neither of which was serious.

FACTORIES

At the end of 1971, there were 38 premises on the Factory Register. Details of these premises are shown below:—

(a) Factories without power—

Parachute Frames ..	1	Upholstery and Cabinet	
Slaughterhouse	1	Making	1
		Total ..	3

(b) Factories with power—

Bakeries	1	Plastic Goods	1
Boot & Shoe Repairs ..	2	Poultry Killing	1
Brickworking Machinery	1	Printing	1
Cotton Sewing	1	Pumping Station ..	1
Electricity Generation ..	1	Raincoat Manufacturers	1
Joinery, Wheelwright &		Sausage Making	1
Plumbing	4	Skin Curing	1
Laundry	1	Sports Clothes	1
Light Engineering	1	Timber Sawing	2
Linen & Cotton Weaving	2	Ulon Manufacture ..	1
Motor Vehicle Repairs ..	10		
		Total ..	35

(c) Other Premises—

Building and Civil Engineering Operations	4
---	---

4 Inspections were carried out during the year and contraventions noted were remedied by the persons responsible.

Prescribed Particulars on the Administration of the Factories Act, 1937

Part 1 of the Act

1. Inspections for the purposes and provisions as to health (including inspections made by the Public Health Inspector):—

Premises (1)	No. on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections, 1, 2 3, 4 and 6 are to be enforced by Local Authorities	3	2	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	35	20	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Au- thority (excluding out-workers' premises)	7	4	—	—
Total ..	45	26	—	—

2. Cases in which Defects were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred To H.M. Inspector (4)	Referred By H.M. Inspector (5)	
Want of cleanliness (S.1)	—	—	—	—	—
Overcrowding	—	—	—	—	—
Unreasonable tempera- ture (S.3)	—	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—	—
Ineffective draining of floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7)					
(a) Insufficient ..	—	—	—	—	—
(b) Unsuitable or defective ..	—	—	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	—	—
Total ..	—	—	—	—	—

RODENT CONTROL TABLE

Properties other than Sewers	Type of Property	
	Non-Agriculture	Agriculture
1. Number of properties in district	4565	86
2. (a) Total number of properties (including nearby premises) inspected following notification	33	—
(b) Number infested by (i) Rats	22	—
(ii) Mice	11	—
3. (a) Total number of properties inspected for rats and/or mice for reasons other than notification	14	—
(b) Number infested by (i) Rats	—	—
(ii) Mice	1	—

DISINFESTATION

During 1971 a total of 27 premises was cleared of insects (mainly wasps) by this Department. Visits were also paid to 5 other premises to give advice to householders regarding other types of infestation.

MOVEABLE DWELLINGS

30 routine visits were paid to caravan sites during year. The following shows the sites licensed:—

The Close, Manse Lane	1 Caravan
Homestead Camping Site, Wetherby Road ..	35 Caravans
Lido Camping Site, Wetherby Road	200 Caravans
Lorrisholme Camping Site, York Road ..	45 Caravans
Nidderdale Camping Site, York Road ..	30 Caravans
Riversmead, York Road	7 Chalets

SMOKE ABATEMENT

There were no contraventions of the Clean Air Act, 1956. Daily readings were taken from the Volumetric Sampling Machine as part of the National Survey of Smoke and Sulphur Dioxide and in the fifth full year of operation average concentrations of 49.7 microgrammes/cubic metre of smoke and 53.2 microgrammes/cubic metre of sulphur dioxide were recorded.

HOUSING STATISTICS

Houses Demolished during the year	21
Persons displaced from unfit houses	Nil
Unfit Houses Closed during the year:	
No. of Houses	1
Persons Displaced	1
Families Displaced	1
Parts of buildings closed (Persons Displaced)	Nil
Unfit Houses Made Fit:	
After informal Action by Local Authority—by owner	Nil
After formal notice under Public Health Acts—by owner	Nil
After formal notice under Housing Act, 1957—by owner	Nil
Families Re-housed into Council Owned Dwellings:	
Clearance Areas	Nil
Overcrowding	Nil
Number of New Dwellings completed during the year:	
Local Authority	31
Private Enterprise	33

HOUSING ACT, 1969

Standard Grants—100 applications were received during the year.

Discretionary Grants—60 applications were received.

41 properties were completed and £9,764 was given in respect of these houses.

Applications for both standard and improvement grants are now running at a very high level, and taking up a lot of time which would normally be used for other duties. The real value of the grants is in preserving property which without them would probably have to be dealt with by clearance procedure, and in a town such as Knaresborough, with its large stock of old, stone built houses which do so much to enhance its character, this is especially important.

FOOD INSPECTION AND HYGIENE

The following table gives the types and numbers of the food premises in the district:—

Description of Premises	Total number of Premises (i)	No. of Premises which comply with Reg. 16 (ii)	No. of Premises to which Reg. 19 Applies (iii)	No. of Premises which comply with Reg. 19 (iv)
Bakeries	1	1	1	1
Butchers	8	8	8	8
Catering	37	37	37	37
Clubs	4	4	4	4
Confectioners	25	25	25	25
Fish & Chip Shops	9	9	9	9
Fish, Greengrocery & Fruit	9	9	9	9
Food Hawkers	8	8	—	—
Food Preparation Room	1	1	1	1
Greengrocery & Fruit	6	6	6	6
Grocers	38	38	38	38
Hospital Kitchens	3	3	3	3
Ice Cream Manufacturers	9	9	9	9
Licensed Premises	23	23	23	23
Market Food Traders	15	—	—	—
Pork Butchers	2	2	2	2
Poultry Dealers	6	6	6	6
Preserved, Pickled Meat, &c.	19	19	19	19
Residential Homes	2	2	2	2
Sale of Ice Cream	78	78	78	78
School Canteens	3	3	3	3
School Canteens (consumption only)	4	4	4	4
Slaughterhouses	1	1	1	1

LIST OF IMPROVEMENTS AND UNSATISFACTORY CONDITIONS REMEDIED IN FOOD PREMISES IN 1971

(a) Structural

Walls and ceilings repaired	..	..	..	..	2
Floors repaired	..	..	..	..	5
Sanitary Accommodation improved or repaired				..	2
Washing Facilities	..	..	..	..	6
Cleanliness, etc.	..	..	..	..	7

(b) Equipment and Practices

Floors cleaned and/or recovered	..	..	..	..	3
Others	..	..	..	..	3

MEAT

Butchers' Shops

16 inspections of Butchers' Shops were made during the year. There are 22 premises registered for the preparation or manufacture of sausages and other "made up" foods.

Slaughterhouse

Routine inspections were carried out at the slaughterhouse during the year. These small premises served only one butcher and during the year some minor improvements were made.

Slaughter of Animals Act, 1958

6 Slaughterman's licences were issued during the year.

Meat Inspection

155 visits were made to the slaughterhouse for this purpose and 100% inspection was carried out.

Produce Market

The market was visited 28 times during the year.

Unsound Food

526 lbs. of food was voluntarily surrendered and condemned as unfit for human consumption. This comprised 405 lbs. canned meat and 121 lbs. other foods.

PUBLIC CLEANSING

1st April, 1971 — 31st March, 1972

Collection of Refuse

Refuse was collected from 4,744 properties within the town.

Collection Vehicles

The old fore and aft tipper has now been replaced with a new one of 35 cubic yard capacity, which, I feel, will be more flexible in its uses than the Pakamatics, although for general dustbin collection they are rather faster.

Refuse Disposal

Arrangements have now been made to start tipping on the Harrogate Corporation tip at Stonefall when the Water Lane tip is full, which should be during the summer of 1972.

The Bray Loader has been very useful to both the Surveyor and myself, although some trouble has been experienced with the tyres.

Civic Amenities Act, 1967—Abandoned Vehicles

Only 8 vehicles have been dealt with during the year and in every case but one, the owner removed the vehicle. The police have been most co-operative in helping us to trace the owners and, in some cases, in persuading them to move the vehicles.

APPENDIX

Carcases and Offal Inspected and Condemned in Whole or in Part

	Cattle (Excluding cows)	Cows	Calves	Sheep & Lambs	Pigs	Total
Number killed	247	—	1	864	326	1438
Number Inspected	247	—	1	864	326	1438
All diseases except Tuberculosis and Cysticerci	—	—	—	2	—	2
Whole carcases condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	13	—	—	12	18	43
Percentage of the number inspected affected with disease other than Tuberculosis and Cysticerci	5.26	—	—	1.62	5.52	3.13
Tuberculosis only						
Whole carcases condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	2	2
Percentage of the number inspected affected with tuberculosis	—	—	—	—	0.61	0.14
Cysticercosis						
Carcases of which some part or organ was condemned	—	—	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

Public Cleansing Costs for the Year ending 31st March, 1972

The table below shows the cost of the Public Cleansing Services during the financial year ending 31st March, 1972.

Item	Particulars 1	Collection 2	Disposal 3	Total 4	Percentage of gross expenditure 5
		£	£	£	
1	Revenue Account				
	Gross Expenditure				
	(i) Labour	11519	989	12508	63.12
	(ii) Transport	4438	1110	5548	28.00
	(iii) Plant, equipment, land and other buildings	526	1233	1759	8.88
	(iv) other items	—	—	—	—
	(v) Total gross expenditure	16483	3332	19815	100.0
2	Gross income	340	28	368	
3	Net Cost	16143	3304	19447	
4	Capital expenditure met from revenue (including above)	—	—	—	
		£	£	£	
5	Unit Costs				
	Gross cost per ton, labour only	2.88	0.25	3.13	
6	Gross cost per ton, transport only	1.11	0.28	1.39	
7	Net cost (all expenditure per ton)	3.99	0.53	4.52	
8	Net cost per 1,000 population	1359.98	278.35	1638.33	
9	Net cost per 1,000 premises	3368.04	689.34	4057.38	

OPERATIONAL STATISTICS

10	Area (statute acres)—land and inland water ..	2,488
11	Population at 30th June, 1971 (Registrar General's Estimate)	11,870
12	Total refuse collected (tons) estimate ..	4,000
13	Weights (cwts.) per 1,000 population per day, 365 days per year	18.46
14	Number of premises from which refuse is collected	4,744
15	Premises from which collections are made at least once weekly	100 per cent.
16	Average haul, single journey to final disposal point	1.5 miles
17	Kerbside collection expressed as estimated percentage of total collection	Nil
18	Total refuse disposed of	4,102 tons
19	Methods of disposal (salvage excluded) controlled tipping	100 per cent



Printed by
Joseph Ward & Co. (Printers) Ltd.
Wesley Place, Wellington Road,
Dewsbury.
