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COUNTY OF AYR



# ANNUAL REPORT

BY


THE MEDICAL OFFICER OF HEALTH

For the Year 1949

AND

THE SCHOOL MEDICAL OFFICER

For the Year 1949-50



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To the Department of Health for Scotland  
and to Ayr County Council.

GENTLEMEN,

In accordance with the Local Government (Scotland) Acts and the Regulations of the Department of Health for Scotland, I beg to submit the Annual Report on the Health of the County for the year 1949.

The Vital Statistics were very favourable. The death rate, 11.1, equalled the figure for 1948, which was the lowest recorded. The infantile mortality rate was 34, which compares with the previous lowest of 41 in 1946. Maternal mortality was 0.9 per thousand live births, the same as in 1948, which was the lowest recorded. The total tuberculosis death rate, 0.37, was the lowest recorded and compares with the previous lowest 0.44 in 1940 and in 1948. The deaths due to the ordinary infectious diseases were one from diphtheria, two from cerebro-spinal fever, one from measles and five from whooping cough.

No major outbreak of notifiable disease occurred. Only seven cases of diphtheria were notified, two of them being from a holiday camp. The number in the previous year was 17. There were only four cases of enteric fever. Fifteen cases of poliomyelitis came under notice, none being fatal.

Steps were taken to bring into force the various proposals approved by the Secretary of State for performing functions of the health authority under the National Health Service (Scotland) Act, 1947. This involved principally the taking over of the District Nursing Service and negotiating for the houses, equipment and transport belonging to the various Associations. In several cases the District Nursing Associations transferred their property free of cost to the County Council on the principle that they were obtained from public subscriptions raised for the benefit of district nursing in the area. In most cases, however, the properties and equipment had to be purchased. The Department of Health approved the erection of five new houses for District Nurses.

I have the honour to be,

Your Obedient Servant,

C. A. BIGNOLD,

*Medical Officer of Health.*

COUNTY BUILDINGS,

AYR, SEPTEMBER, 1950.



# REPORT OF MEDICAL OFFICER OF HEALTH.

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# County Medical Officer's Report.

1949.

## I.—VITAL STATISTICS.

**Population and Area.**—The Registrar General has estimated the population of the Landward Area and Small Burghs as 237,918, or 1,155 more than in 1948 and 27,584 more than at the last census in 1931.

**Births.**—The live births registered after correction for transfers were 4,512, equivalent to a birth-rate of 19·0, as compared with 19·3 in the preceding year. The rates for previous years of which I have record are :—

1916-20—Average Birth-rate...	...	...	...	25·9
1921-25	„	„	...	22·1
1926-30	„	„	...	18·5
1931-35	„	„	...	18·6
1936-40	„	„	...	18·2
1941-45	„	„	...	18·1
1946	„	„	...	19·9
1947	„	„	...	21·8
1948	„	„	...	19·3
1949	„	„	...	19·0

The number of still-births registered after correction for transfers during the year was 106, giving a rate of 23 per thousand total births. The number of still-births registered since still-births first became registrable in 1939 with the corresponding rates per thousand total births are as follow :—

				<i>Still-Births.</i>	<i>Rate per thousand total Births.</i>
1939	...	...	...	165	41
1940	...	...	...	165	39
1941	...	...	...	192	41
1942	...	...	...	145	32
1943	...	...	...	153	32
1944	...	...	...	142	31
1945	...	...	...	134	32
1946	...	...	...	139	29
1947	...	...	...	193	36
1948	...	...	...	111	24
1949	...	...	...	106	23

The details applicable to individual Burghs are given in Table I.



**Deaths.**—The deaths registered after correction for transfers were 2,652, which is equivalent to a death-rate of 11·1, the same as in 1948. The following are the figures so far as they are available for preceding years :—

1916-20—Average Death-rate	...	...	...	14·6
1921-25	„	„	...	11·5
1926-30	„	„	...	11·2
1931-35	„	„	...	12·5
1936-40	„	„	...	12·8
1941-45	„	„	...	12·1
1946	„	„	...	11·4
1947	„	„	...	11·9
1948	„	„	...	11·1
1949	„	„	...	11·1

Tables I. & II. show the mortality in the County Area and Burghs during the year, and Table III. gives similar figures of deaths at different ages with the percentages of the total deaths.

**Infantile Mortality.**—The number of infants under one year who died during the year was 152, equivalent to an infantile mortality rate of 34, as compared with 42 during the preceding year. The following are the figures for previous years so far as they are available :—

1916-20—Average Infantile Mortality...	...	...	94
1921-25	„	„	89
1926-30	„	„	74
1931-35	„	„	73
1936-40	„	„	71
1941-45	„	„	63
1946	„	„	41
1947	„	„	44
1948	„	„	42
1949	„	„	34

**Deaths from Infectious Diseases.**—The deaths which occurred from the ordinary infectious diseases were 1 from diphtheria, 2 from cerebro-spinal fever, 1 from measles and 5 from whooping cough.

**Deaths from Tuberculous Diseases.**—The deaths from respiratory and other forms of tuberculosis were 78 and 11 respectively, giving a death-rate of 0·33 and 0·04. The corresponding figures for the previous year were deaths 83 and 20, and death-rates 0·35 and 0·09.



The following are the average deaths-rates so far as they are available :—

			<i>Respiratory Tuberculosis.</i>	<i>Other forms of Tuberculosis.</i>	<i>Total</i>
1916-20	...	...	·79	·44	1·23
1921-25	...	...	·52	·28	·80
1926-30	...	...	·45	·24	·69
1931-35	...	...	·38	·19	·57
1936-40	...	...	·36	·13	·49
1941-45	...	...	·37	·17	·54
1946 ...	...	...	·41	·17	·58
1947 ...	...	...	·39	·13	·52
1948 ...	...	...	·35	·09	·44
1949 ...	...	...	·33	·04	·37

**Deaths from Pneumonia.**—There were 80 deaths from pneumonia, equivalent to a death-rate of 0·34. During the previous year the deaths were 73, equal to a death-rate of 0·31. The following are the average death-rates from pneumonia since 1931 :—

1931-35	...	...	·67	1946...	...	...	·36
1936-40	...	...	·63	1947...	...	...	·35
1941-45	...	...	·46	1948....	...	...	·31
				1949...	...	...	·34

**Deaths from other Diseases of the Respiratory System.**—There were 93 deaths recorded from this group of diseases, which includes all the diseases of the organs of respiration except pneumonia, pulmonary tuberculosis and membranous croup. These figures are equivalent to a death-rate of 0·39, as compared with a rate of 0·51 for the previous year.

**Deaths from Influenza.**—The deaths due to influenza numbered 10, giving a death-rate of 0·04. During 1948 the deaths were 8 and the death-rate 0·03. The following are the death-rates from influenza since 1930 :—

1930	...	...	...	·74	1940...	...	...	·36
1931	...	...	...	·27	1941...	...	...	·13
1932	...	...	...	·88	1942...	...	...	·04
1933	...	...	...	·38	1943...	...	...	·12
1934	...	...	...	·08	1944...	...	...	·06
1935	...	...	...	·31	1945...	...	...	·05
1936	...	...	...	·12	1946...	...	...	·16
1937	...	...	...	·57	1947...	...	...	·08
1938	...	...	...	·10	1948...	...	...	·03
1939	...	...	...	·23	1949...	...	...	·04

**Deaths from Cancer.**—The deaths from cancer were 409, which is equivalent to a death-rate of 1·72, as compared with 1·66 in the previous year.



The following are the average death-rates from cancer for a number of years :—

1931-35	...	...	1.28	1946...	...	...	1.55
1936-40	...	...	1.48	1947...	...	...	1.57
1941-45	...	...	1.58	1948...	...	...	1.66
				1949...	...	...	1.72

**Deaths from Diseases of the Nervous System.**—This group of diseases, which includes such causes as cerebral haemorrhage, apoplexy, etc., accounted for 450 of the deaths occurring in the area, being a death-rate of 1.89, as against 1.52 in the preceding year.

**Deaths from Diseases of the Digestive System.**—The deaths were 100, equivalent to a death-rate of 0.42, as compared with 0.50 in the preceding year.

**Deaths from Diseases of the Circulatory System.**—The number of deaths ascribed to diseases of the heart and other organs of circulation was 914, giving a death-rate of 3.84, as compared with 3.62 in the previous year.

**Deaths from Diseases and Accidents of Pregnancy and Parturition.**—The maternal mortality rate in 1949 was 0.9 per thousand live births, which compares with 1.3 for Scotland as a whole during that year. The maternal mortality rates for the County during the period 1930 to 1949 were as follow :—

1930	...	...	9.8	1940...	...	...	4.5
1931	...	...	6.7	1941...	...	...	3.8
1932	...	...	6.6	1942...	...	...	3.3
1933	...	...	6.9	1943...	...	...	2.0
1934	...	...	5.7	1944...	...	...	1.8
1935	...	...	5.0	1945...	...	...	1.2
1936	...	...	6.8	1946...	...	...	1.1
1937	...	...	4.7	1947...	...	...	3.9
1938	...	...	4.7	1948...	...	...	0.9
1939	...	...	2.8	1949...	...	...	0.9

## II.—LOCAL HEALTH AUTHORITY FUNCTIONS.

### 1. Care of Mothers and Young Children.

The proposals provided for the appointment of a Welfare Officer specially for the care of unmarried mothers, and this appointment was made early in 1949.



From the date when she took up duty (7/2/49) until the end of the year the Welfare Officer offered guidance and help to 173 unmarried mothers, and made in all 290 visits to their homes. In many cases the girls were at first unwilling to discuss matters, but the ultimate success of the initial visit was borne out by the appreciation expressed at the review visit. Having once gained their confidence, the Welfare Officer was able to alleviate much of the anxiety experienced by the unmarried mothers.

The following figures give some indication of the assistance given, several cases falling under more than one category :—

	<i>No. of Instances.</i>
(1) Advice in obtaining decree of affiliation and aliment against the father of the child ...	47
(2) Advice regarding legal adoption ...	40
(3) Help in finding suitable accommodation for the child where it was necessary for the mother to work ...	37
(4) Advice regarding entitlement and help in obtaining allowances from the Ministry of National Insurance, National Assistance Board, etc. ...	25
(5) Help in finding suitable employment ...	20
(6) General advice ...	31

During the year 17 children were admitted to Irvine Residential Nursery. The total number of children in the Nursery at the end of the year was 28.

(a) **Ante-Natal and Post-Natal Clinics.**—The number of clinics was the same as in the previous year. A list of these is given in Appendix X.

Adaptation of the former First-Aid Posts at Irvine and Saltcoats was completed during the year—entry to the Irvine premises being made on 1st September and to the Saltcoats premises on 21st November. (The Irvine clinic had previously been held in the former Parish Council Offices and the Saltcoats clinic at the Junior Secondary School.)



By the end of the year the construction of clinic premises at Largs was completed, and it was possible to transfer the work from the Red Cross Hut to these new premises in January, 1950.

	<i>Ante-Natal.</i>	<i>Post-Natal.</i>
(i) Number of Clinics at end of the year provided by the Local Health Authority ... ..	8	8
(ii) Number of Clinics at end of year provided by Voluntary Bodies ...	None	None
(iii) Number of Women who attended at Clinics during the year ...	873	432

(b) **Child Welfare Clinics.**—The number of clinics was increased by one towards the end of the year, by the introduction of a monthly clinic session in the Church Hall at Drongan.

The conversion of the former First-Aid Post at Kilwinning and the construction of new premises at Hurlford were not completed until the Spring of 1950. The premises provided at Kilwinning, Largs and Saltcoats for Ante-Natal Clinics are also used for Child Welfare Clinics.

Arrangements were made for the use of the Clinic premises in Dalry by the medical practitioners there, Drs. Watt and Gordon, for the purposes of their practices. Their hours of attendance do not interfere with the normal work as a Local Authority Clinic. It would appear that, where such an arrangement can be made, it will often be to the benefit of the medical services of the district.

The following are the statistics regarding Child Welfare Clinics in the form prescribed by the Department of Health :—

(i) Number of Clinics at end of the year provided by the Local Health Authority ... ..	36
(ii) Number of Clinics at end of year provided by voluntary bodies ... ..	Nil
(iii) Number of children under 5 years of age who first attended at the Clinics during the year and who on the date of their first attendance were—	
(a) Under one year of age ... ..	3,781
(b) Over one year of age ... ..	1,392



- (iv) Total number of attendances during the year made at Clinics by children who at the end of the year were—

(a) Under one year of age ... .. 28,732

(b) Over one year of age ... .. 6,833

(c) **Dental Care.**—The proposals approved by the Secretary of State provide for the appointment of four dental surgeons specially for the care of the teeth of mothers and young children, along with the provision of two mobile clinics. In view of the fact that it has not been possible to maintain the staff for the dental care of school children, no steps were taken to advertise for dentists for this purpose. The school dentists undertook a very limited amount of work, such as could be undertaken without interfering with their primary duty. The following is a summary of this work :—

	<i>Expectant and Nursing Mothers.</i>	<i>Pre-School Children.</i>
(i) Number inspected by Dental Officers ... ..	21	14
(ii) Number found to require treatment ... ..	21	14
(iii) Number accepting treat- ment ... ..	21	14
(iv) Number actually treated by Dental Officers ... ..	21	14

(d) **Mother and Baby Homes.**—No such homes are provided either by the health authority or by voluntary organisations.

(e) **Day Nurseries.**—No day nurseries are provided by (i) the local health authority, (ii) voluntary bodies, or (iii) firms of manufacturers.

(f) **Residential Nurseries and Children's Homes** provided as part of Authority's arrangements under Section 22 of the National Health Service (Scotland) Act.—The conversion of Kilwinning Hospital as a Nursery has now been commenced. It is the intention to use



Kilwinning for infants and toddlers under two years of age and Irvine for toddlers of two years and under five years. The primary purpose is the accommodation of infants and young children of unmarried mothers who require to work to maintain themselves and their children.

	Name and Address of Nursery or Home.	Whether Long Stay or Short Stay.	Number of Beds provided at the end of the year.		
			Age 0-2	Age 2-5	Others.
(i) Maintained by Local Health Authority ...	Residential Nursery, Irvine.	Long Stay.	24	24	None
(ii) Maintained by Voluntary Organisation	None	—	—	—	—

## 2. Midwifery.

The following are the statistics regarding midwifery in the form prescribed by the Department of Health :—

- (i) (a) Total number of births occurring in the area during year—that is before correction for mother's residence—

Live Births	...	...	...	4,273
Still-Births	...	...	...	109
			TOTAL	...
				4,382

- (b) Total number notified to Medical Officer of Health ... .. 4,326

- (ii) Total number of births in (i) occurring in institutions (including private maternity homes) ... .. 2,862

- (iii) Total number of births in (i) occurring at home 1,464



(iv) Number of births in (iii) classified to show nature of attendance at birth :—

(1)	Cases dealt with under Section 23 (2) of the National Health Service (Scotland) Act, 1947.			Other Domiciliary Cases.			Total (8)
	Doctor engaged and present at confinement (2)	Doctor engaged and not present at confinement (3)	Midwife alone (no Doctor engaged) (4)	Doctor engaged (5)	Midwife alone (no Doctor engaged) (6)	Without Doctor or Midwife (7)	
(a) Midwives employed by the Authority (including those engaged on a fee - per - case basis) ... ..	361	968	11	80	36	—	1456
(b) Midwives employed by Voluntary Organisations	—	—	—	—	—	—	—
(c) Midwives employed by Hospital Boards of Management..	—	—	—	—	—	—	—
(d) Private Practising Midwives	—	—	—	2	6	—	8
(e) Totals ... ..	361	968	11	82	42	—	1464

(v) Medical Aid under Section 22 (1) of the Midwives (Scotland) Act, 1915.

Number of cases in which medical aid was summoned during the year under Section 22 (1) of the Midwives (Scotland) Act, 1915, by a Midwife—

(a) For Domiciliary Cases—

(i) Where the Medical Practitioner had arranged to provide maternity medical services under the National Health Service—Number ... .. 18

(ii) Others—Number ... .. 15

TOTAL ... .. 33

(b) For Cases in Institutions ... .. Nil



## (vi) Administration of Analgesics :—

(a) Number of midwives in practice in the area qualified to administer Analgesics in accordance with the requirements of the Central Midwives Board for Scotland—

(i) Domiciliary ... ..	31
(ii) In Institutions ... ..	27
TOTAL ... ..	58

(b) Number of Domiciliary Midwives who received their training during the year... 20

(c) Number of sets of Apparatus for the administration of Analgesics in use at 31st December, 1949, by Domiciliary Midwives employed by the Authority or employed by voluntary organisations in the Authority's area ... .. 3

(d) Number on order at 31st December, 1949 —

Number in possession of Local Authority at 31st December, 1949 ... .. 48

(e) Number of cases in which Analgesics were administered by Midwives in Domiciliary practice during the year ... .. 23

(f) Number of Cars in use by Midwives at 31st December, 1949 ... .. 31

Arrangements were made for the training of additional District Nurses in the use of Analgesics. In order to obtain a Certificate of Efficiency the Nurses have to attend lectures and must have a prescribed amount of practical experience. The lectures are given in the Maternity Unit of the Central Hospital and the practical experience at the Maternity Home, Kilwinning. Nurses are sent in batches but the speed with which they can obtain Certificates of Efficiency depends on the possibility of their release from normal duties and on the number of cases available in Hospital. At the end of the year 31 Domiciliary Midwives were qualified to administer Analgesics.



### 3. Health Visiting.

The policy of previous years which was approved by the Secretary of State under the National Health Service Act is to appoint district Nursing Sisters, preferably Queen's Nurses, to undertake the duties of home nursing, midwifery, health visiting and school nursing. This arrangement co-ordinates the Domiciliary Nursing Services of the Local Authority and avoids the visitation of the same house by different Nurse/Visitors dealing with separate purposes. So far as possible it is the aim to employ Queen's Nurses who possess the Health Visitor's Certificate, but the number of these is comparatively small. It would appear that the Queen's Institute of District Nursing should combine the period of training for home nursing with training for the Health Visitor's Certificate, so that their nurses would be fully trained for combined district nursing on leaving the Institute.

The following are the number of visits paid by Health Visitors during the year, this information being given in the model form prescribed by the Department of Health :—

				<i>Number visited for first time, excluding cases visited during the previous year and cases known to have previously been visited in another area.</i>	<i>Total Visits.</i>
Local Health Authority Services—					
Expectant Mothers ...	...	—	—	—	—
Infants ...	...	4,679	...	4,679	35,255
Children (1-5 Years)	...	4,994	...	4,994	39,788
Cases of Tuberculosis	...	259	...	259	1,625
Other Cases ...	...	2,832	...	2,832	3,569

### 4. Home Nursing.

During the year arrangements were completed for the transfer to the health authority of the houses, furnishings, motor cars, etc., owned by District Nursing Associations. In some cases these were transferred by the District Association without cost to the County Council, but in others substantial sums were paid.

The proposals approved by the Secretary of State provided for the increase of the number of district nursing sisters to 112, but during the year it was not found possible to extend. The provision of adequate housing accommodation is essential if a proper service is to be maintained and to this end approval was given by the Department of Health to the erection of nurses' houses situated at Auchinleck, Hurlford, Dreghorn, Dunlop and Dalmellington. The



house to be erected at Dalmellington will include a Child Welfare Centre.

The following are particulars of the Home Nursing work carried out under arrangements made by the Local Health Authority under Section 25 of the National Health Service (Scotland) Act, 1947, during the year :—

- (i) Number of cases attended by home nurses ... 7,591
- (ii) Number of visits paid by nurses to these cases 140,986

## 5. Domestic Help.

Proposals under Section 28 of the Act were submitted to the Department of Health and received approval.

These proposals provided for the appointment of a Home Helps Organiser, and this appointment was made by the County Council on 27th September, 1949. The Organiser was not, however, able to take up full-time duty until the beginning of 1950, but a beginning was made in the recruiting, after interview, of suitable domestic helps.

The existing scheme for Ardrossan area was continued and extended during the year.

At 31st December, 1949, 34 home helps were employed in homes in the following areas :—

Ardrossan/Saltcoats	...	...	...	...	...	22
Largs	...	...	...	...	...	3
Kilbirnie/Glengarnock	...	...	...	...	...	2
Troon	...	...	...	...	...	1
Dalry	...	...	...	...	...	3
Prestwick	...	...	...	...	...	1
Crosshouse	...	...	...	...	...	1
Galston	...	...	...	...	...	1

Statistics, relating to the Scheme, in the form requested by the Department of Health, are as follows :—

- (i) Number of Helps employed at end of the year—
  - (a) Whole-time ... Nil
  - (b) Part-time ... 34
  - (c) Retaining Fee basis ... Nil
- (ii) Number of cases taken during year ... 85
- (iii) Average period of assistance ... 73 days



## 6. Vaccination and Immunisation.

Details of vaccinations notified during the year are as follows :—

	<i>Primary Vaccinations.</i>	<i>Re- Vaccinations.</i>
(1) Typical Vaccinia greatest at 7th to 10th Day ... ..	933	72
(2) Accelerated (Vaccinoid) Reaction (5th to 7th Day) ... ..	15	17
(3) Reaction greatest at 2nd to 3rd Day ... ..	5	41
(4) No Local Reaction ... ..	75	15
	1028	145

Of the 1,028 who received primary vaccination, 437 were children born in 1948, and 563 were children born in 1949.

The following figures of diphtheria immunisation during 1949 are based entirely on records received from the whole-time medical staff and from private practitioners :—

	<i>New Inoculations.</i>	<i>Maintenance Inoculations.</i>
Pre-School Children ...	2,858	10
School Children ... ..	1,366	6,136
TOTALS ... ..	4,224	6,146

For a number of years material for immunising children against whooping cough has been supplied free of charge to private practitioners and a fee of two shillings and sixpence per injection has been paid in respect of children inoculated during their first



year. The following is a summary of completed records received during 1949 :—

<i>Year of Birth.</i>							<i>Number of Children.</i>
1949	...	...	...	...	...	...	27
1948	...	...	...	...	...	...	266
1947	...	...	...	...	...	...	82
1946	...	...	...	...	...	...	24
1945	...	...	...	...	...	...	15
1944	...	...	...	...	...	...	12
1943	...	...	...	...	...	...	3
1942	...	...	...	...	...	...	4
1941	...	...	...	...	...	...	—
Prior	...	...	...	...	...	...	2
TOTAL ... ..							435

## 7. Prevention of Illness, Care and After-Care with Special Reference to Tuberculosis.

There were notified 229 cases as pulmonary tuberculosis and 40 as non-pulmonary tuberculosis. Excluding cases temporarily resident in the area and cases not confirmed, the new cases belonging to the area who came under notice during the year were 228 pulmonary tuberculosis and 36 of non-pulmonary tuberculosis.

The detailed report required by the Department of Health is shown in Table IX.

**Pulmonary Tuberculosis.**—Of the 228 new cases of pulmonary tuberculosis 122 were males and 106 were females. 76·3 per cent. (174) of these cases received institutional treatment during the year. Seventeen cases notified in 1949 died during the year.

Including cases notified in previous years, 238 patients were admitted to Hospitals and Homes during 1949 as follows :—

Ayrshire Central Hospital and Glenafton Sanatorium	190
St. Andrew's Home, Millport ... ..	1
Heathfield Hospital ... ..	44
Stonehouse Hospital ... ..	1
Kaimshill Sanatorium ... ..	2
	<hr/>
	238
	<hr/>

Nine of the patients admitted to Ayrshire Central Hospital and seven of the patients admitted to Glenafton were transferred to Hairmyres Hospital.

Of the total deaths 24 (30·8 per cent.) occurred in institutions.



**Non-Pulmonary Tuberculosis.**—The 36 new cases of non-pulmonary tuberculosis are classified as follows according to the localisation of the disease :—

	<i>No. of Cases.</i>
Superficial Lymphatic Glands ... ..	9
Abdomen ... ..	1
Bones and Joints (excluding Spine) ... ..	12
Spine ... ..	4
Skin and Subcutaneous Tissue ... ..	—
Meninges ... ..	9
Genito-Urinary Organs ... ..	1

Of the 36 cases 21 or 58·3% received institutional treatment. Five of these cases died during the year.

Including cases notified in previous years 23 patients were admitted to Hospitals and Homes during 1949 as follows :—

Ayrshire Central Hospital and Glenafton Sanatorium	7
St. Andrew's Home ... ..	11
Hairmyres ... ..	1
Mearns Kirk ... ..	4
	<hr/>
	23
	<hr/>

Of the total deaths 90·9 per cent. (10) occurred in institutions.

Dr. J. T. Boyd, Area Supervising Tuberculosis Physician, has provided the following summary of the work carried out in the Chest Wards of Ayrshire Central Hospital and Glenafton Sanatorium during the year.

The total number of beds provided for adults is 167—64 females and 30 males at Ayrshire Central Hospital and 36 females and 37 males at Glenafton Sanatorium. During the year all available beds have been in use.

	<i>Central Hospital.</i>	<i>Glenafton Sanatorium.</i>
<b>Admissions and Discharges for 1949—</b>		
Number of beds ... ..	94	73
Number of patients under treatment		
at 1st January, 1949 ... ..	83	61
Total number of admissions during		
the year ... ..	170	20
Number of patients transferred from		
Central Hospital to Glenafton ...	—	106



	<i>Central Hospital.</i>	<i>Glenafton Sanatorium.</i>
Number of patients transferred from Heathfield to Glenafton... ..	—	41
Number of patients transferred from Kaimshill to Glenafton ... ..	—	5
Number of patients transferred from Glenafton to Central Hospital...	6	—
Number of patients transferred from Healthfield to Central Hospital...	1	—
Number of patients transferred from St. Andrew's Home to Central Hospital ... ..	1	—
Number of patients transferred from Kaimshill to Central Hospital ...	3	—
Number of patients discharged home during the year ... ..	50	166
Number of irregular discharges ...	3	—
Number of deaths ... ..	16	3

#### Active Treatment—In-Patients—

Artificial Pneumothorax Inductions...	26	9
Artificial Pneumothorax Refills ...	567	497
Thoracoscopy and Adhesion Section...	31	—
Phrenic Operations ... ..	100	7
Phrenic Re-Crush ... ..	4	—
Phrenic Avulsion ... ..	—	—
Pneumoperitoneum Inductions ...	84	9
Pneumoperitoneum Refills ... ..	1464	1492
Thoracoplasty—Stage 1 ... ..		16
Stage 2 ... ..		14
Stage 3 ... ..		1
Pneumonectomy ... ..		1
Lobectomy ... ..	Nil	Nil
Empyema Drainage followed by Radical Closure ... ..	Nil	Nil

#### Other Investigations, etc.—

Blood Sedimentation Rate ... ..	1165	1011
Gold Injections ... ..	—	—
Laryngeal Swabs ... ..	396	298
X-Ray Films taken ... ..	5802	1421
Screenings ... ..	2622	1728
Bronchoscopy ... ..	9	—
Bronchography... ..	5	—
Tomograms ... ..	94	24
Aspirations ... ..	—	35



Central      Glenafton  
Hospital.    Sanatorium.

### Results of Treatment—

#### *Condition on Discharge from Hospital—*

Quiescent	...	...	...	...	24	130
Improved	...	...	...	...	17	30
Stationary	...	...	...	...	—	2
Worse	...	...	...	...	4	4
Died	...	...	...	...	16	3
Non-Tuberculous	...	...	...	...	5	—

From the above it will be noted that 72·5% of the adult cases were considered Quiescent on discharge.

### Children's Wards, Glenafton—

Number of Beds available	...	...	...	...	28
Number in residence at 1/1/49	...	...	...	...	25
Number admitted during the year	...	...	...	...	43
Number discharged during the year	...	...	...	...	44

#### *Results on Discharge—*

Number well, that is primary lesion healed	...	...	...	...	32
Improved	...	...	...	...	—
Stationary	...	...	...	...	1
Died	...	...	...	...	—
Non-Tuberculous	...	...	...	...	5
Non-Respiratory	...	...	...	...	4
Irregular Discharges	...	...	...	...	2
Discharges	...	...	...	...	44

### Out-Patient Treatment—

Artificial Pneumothorax Refills	...	2103	208
Pneumoperitoneum Refills	...	2497	710
Consultations at Chest Clinic (excluding refills cases)	...	1745	361
Screening	...	4661	1500
Laryngeal Swabs	...	120	20
B.S.R.	...	393	—
Jelly Patch	...	95	—
Mantoux,	...	11	50
Chest Aspirations	...	5	—
Aspiration of Glands of Neck	...	3	2
Bronchoscopy	...	6	—
Phrenic Re-Crush	...	1	—



## 8. Control of Infectious Diseases.

No major outbreak of notifiable infectious disease occurred, and closure of schools or classes of schools had not to be considered.

(a) Diseases notifiable under the Infectious Disease (Notification) Act, 1889 :—

**Smallpox and Cholera.**—No case occurred of either disease.

**Diphtheria (including Membraneous Group).**—The number of cases totalled 7, as compared with 17 during the previous year. There was one death—a non-immunised child. The following are the cases and deaths since 1930 :—

	<i>Cases.</i>	<i>Deaths.</i>		<i>Cases.</i>	<i>Deaths.</i>
1930.....	515	11	1940.....	391	13
1931.....	430	8	1941.....	538	19
1932.....	284	20	1942.....	545	15
1933.....	300	16	1943.....	420	11
1934.....	661	33	1944.....	343	6
1935.....	638	53	1945.....	277	5
1936.....	763	55	1946.....	190	1
1937.....	697	37	1947.....	40	5
1938.....	439	17	1948.....	17	—
1939.....	467	17	1949.....	7	1

**Erysipelas.**—The number of cases was 48, as compared with 69 in 1948. There were no deaths.

**Scarlet Fever.**—There were 322 cases, compared with 472 in the previous year. This was the fifth year in succession in which there were no deaths from scarlet fever.

**Typhus Fever.**—No case was reported.

**Enteric Fever (including Typhoid Fever).**—Four cases of paratyphoid fever were notified during the year.

**Relapsing and Continued Fevers.**—No cases occurred.



**Puerperal Fever.**—One non-fatal case was notified. The following are the cases and deaths since 1930 :—

	<i>Cases.</i>	<i>Deaths.</i>		<i>Cases.</i>	<i>Deaths.</i>
1930.....	13	6	1940.....	9	2
1931.....	32	12	1941.....	8	6
1932.....	21	8	1942.....	15	8
1933.....	17	7	1943.....	20	7
1934.....	17	6	1944.....	21	3
1935.....	12	4	1945.....	23	1
1936.....	15	4	1946.....	9	—
1937.....	14	6	1947.....	8	—
1938.....	8	7	1948.....	3	—
1939.....	7	4	1949.....	1	—

(b) Diseases notifiable in terms of Regulations of the Department of Health :—

**Puerperal Pyrexia.**—One non-fatal case was notified, the same number as in 1948, which was the lowest then recorded, and compares with 11 in 1947. During the previous fifteen or sixteen years the number varied from 20 to 45. Usually it may be regarded as a milder form of puerperal fever.

**Cerebro-Spinal Fever.**—Twelve cases occurred, two of them being fatal. These figures compared with eleven cases and no deaths during the previous year.

**Acute Poliomyelitis.**—Fifteen cases came under notice during the year. Apart from 87 in 1947 the previous highest number was 14 in 1941. Otherwise since 1930 the number has varied from 2 to 9, four years being clear of cases.

**Encephalitis Lethargica.**—No case occurred of this rare disease. The last case notified was in 1934.

**Dysentery.**—Fifteen cases occurred, all bacillary in nature. This compares with 12 cases in 1948. The number of cases has fallen to normal after an increase during the war years, particularly in 1943, 1944 and 1945, when the numbers were 62, 134 and 110 respectively.

**Ophthalmia Neonatorum.**—The number of cases was 4, in none of whom was there any loss of vision. The number of cases of this disease coming under notice has shown a considerable reduction in recent years. The highest number in any year was 43 in 1933. Up to 1937 the numbers were always in the twenties or thirties; but since that year they have never reached twenty, and have reached double figures only on four occasions.



**Acute Influenzal and Acute Primary Pneumonia.**—The numbers of cases were of the former 19 and of the latter 260. During the previous year the numbers were 1 and 264 respectively.

**Malaria.**—No cases were reported.

**Infective Jaundice and Plague.**—Neither of these diseases occurred.

**Tuberculosis.**—Particulars are given under the previous heading

## 9. Mental Health Service.

(a) **Lunacy Cases.**—The authorised officers, appointed as approved by the Secretary of State, dealt with 81 admissions to the mental hospital during the year.

(b) **Mental Patients under Guardianship.**—Besides being visited at least twice yearly by or on behalf of the Authorised Officer, boarded-out Mental Patients are visited quarterly by Medical Officers on behalf of the Local Authority, and they are, moreover, periodically visited by Medical Commissioners from General Board of Control, usually once annually. •

The following table gives particulars of County Mental Patients in the care of Private Guardians at 31st December, 1949 :—

### IN PRIVATE GUARDIANSHIP.

<i>Where Boarded.</i>	<i>With Relatives.</i>	<i>With Strangers.</i>	<i>Totals.</i>
<b>MENTAL DEFECTIVES—</b>			
Within the County ... ..	30	3	33
Outwith the County ... ..	4	10	14
In care of Officers of the Welfare Home, Ayr, and the Cuninghame Home, Irvine ... ..	—	16	16
<b>CERTIFIED LUNATICS—</b>			
Within the County ... ..	5	—	5
Outwith the County ... ..	1	2	3
<b>Totals at 31st December, 1949</b>	<b>40</b>	<b>31</b>	<b>71</b>
<b>Totals at 31st December, 1948</b>	<b>45</b>	<b>34</b>	<b>79</b>



Early in the year, in accordance with the proposals approved by the Secretary of State, a Psychiatrist was appointed in order to undertake work in connection with mental deficiency and also in connection with child guidance under the Education Authority. At the same time an effort was made to obtain a Psychiatric Social Worker, but unfortunately several advertisements failed to obtain applications from qualified people. During the year most of the psychiatrist's time was taken up with child guidance and juvenile delinquency.

#### **10. Work done under Nurseries and Child Minders' Regulation Act.**

The terms of this Act were advertised in the Press by the County Clerk, but no applications for registration were received by the end of the year.

### **III.—SCHOOL HEALTH SERVICE.**

The report regarding school medical inspection and treatment for the session 1949-1950 is printed separately at the end of this report.

### **IV.—PORT HEALTH ADMINISTRATION.**

No special problems arose in connection with the administration of the Port Sanitary Regulations at Ardrossan, Irvine and Troon. None of the three seaports is approved for the issue of deratisation certificates.

At Prestwick Airport the work of Port Medical Officer and of Medical Officer of Aliens was carried out as in the previous year. No special problem arose. During the year 2,790 civil aircraft arrived, 128 less than in the previous year. The passengers disembarked totalled 24,653, and 43,324 passengers landed in transit to other places, these figures showing increases of 3,657



and 4,926 respectively over those of 1948. The following details show the wide area from which air traffic comes to Prestwick :—

	<i>Number of Aircraft.</i>	<i>Passengers Disembarking</i>	<i>Passengers in Transit.</i>
<b>REGULAR SERVICES FROM—</b>			
New York—U.S.A.— B.O.A.C., K.L.M., S.A.S., A.O.A. ... ..	886	7,844	16,091
Montreal—Canada— B.O.A.C., T.C.A. ... ..	494	9,022	346
Amsterdam—Holland— K.L.M. ... ..	408	1,849	9,257
Stockholm—Sweden— S.A.S. ... ..	292	1,472	7,926
Copenhagen—Denmark— S.A.S. ... ..	97	321	2,581
Paris—France— A.F. ... ..	127	919	49
Reykjavik—Iceland— I.A. ... ..	88	1,369	1,231
Oslo—Norway— D.N.L. ... ..	94	928	697
Frankfurt—Germany— A.O.A. ... ..	110	255	2,457
Curacao—Dutch West Indies—K.L.M. ... ..	58	180	1,191
<b>CASUAL ARRIVALS FROM—</b>			
Dublin—Eire ... ..	1	—	—
Marseilles—France ... ..	1	—	—
Reims—France ... ..	1	—	42
Rotterdam—Holland ... ..	1	7	34
Brussels—Belgium ... ..	1	—	—
Geneva—Switzerland ... ..	1	—	—
Stavanger—Norway... ..	7	82	—
Bologna—Italy ... ..	1	4	—
Rome—Italy ... ..	4	—	—
Nicosia—Cyprus ... ..	1	—	—
Luxembourg—Luxembourg	1	5	—
Athens—Greece ... ..	6	13	—
Berlin—Germany ... ..	1	—	—
Bremen—Germany ... ..	1	—	59
Hamburg—Germany ... ..	3	—	—
Munich—Germany ... ..	25	—	1,050
Rhein-Main—Germany ... ..	4	4	59



	<i>Number of Aircraft.</i>	<i>Passengers Disembarking</i>	<i>Passengers in Transit.</i>
CASUAL ARRIVALS FROM—			
Schleswig—Germany ...	16	38	—
Stuttgart—Germany ...	1	—	28
Narsarssvak—Greenland...	1	—	14
Keflavik—Iceland ...	20	8	11
Meek's Field—Iceland ...	5	9	—
Halifax—Nova Scotia ...	1	—	—
Gander—Newfoundland ...	6	25	44
Goosebay—Labrador ...	1	—	—
Bermuda—B. West Indies	1	—	—
Boston—Massachusetts, U.S.A. ... ..	2	21	53
San Diego—U.S.A. ...	5	—	3
Seattle—U.S.A. ...	1	5	—
Washington, D.C.—U.S.A.	1	—	—
Havana—Cuba ... ..	1	5	34
Addis-Ababa—Abyssinia...	2	1	—
Johannesburg—South Africa ... ..	1	—	—
Lydda—Palestine ...	1	—	—
Damascus—Syria ...	1	—	48
Bombay—India ...	1	1	18
Hong-Kong—China ...	6	225	—
Tokyo—Japan ... ..	1	41	1

*Note.*—B.O.A.C.—British Overseas Airways Corporation.

T.C.A.—Trans-Canada Airlines.

K.L.M.—Royal Dutch Airlines.

S.A.S.—Scandinavian Airlines System.

A.O.A.—American Overseas Airlines.

A.F.—Air France.

I.A.—Icelandic Airways.

D.N.L.—Norwegian Airlines.



## V.—FOOD SUPPLY.

### 1. Milk.

The Sanitary Inspector in his report has given a full account of any action under the Milk (Special Designations) and other Orders and Bye-Laws. The percentage of tubercle free dairy herds increased during the year from 84 to 90 per cent., *i.e.*, 1,501 out of a total of 1,667 herds; the increase in the number of tested herds was 89.

During the year no complaints were received regarding the presence of tubercle bacilli in milk produced in the County.

### 2. Ice Cream.

The administration of the Ice Cream Regulations has been fully dealt with by the Sanitary Inspector in his report. No notification was received by an ice cream vendor of the presence of any of the diseases mentioned in the Regulations.

### 3. Meat and Other Foods.

This question is dealt with fully by the Sanitary Inspector in his report.

### 4. Clean Food.

The Sanitary Inspector in his report refers to an enquiry which he made into standards of hygiene in retail food shops, and concludes from his survey that "Ayrshire is, on the whole, fortunate in the type of shopkeeper engaged in handling food supplies." There is, here and there, he remarks, room for improvement, and gives his opinion that his staff are handicapped, in such inspections, by lack of statutory powers.

### 5. Food Poisoning.

No outbreaks came under notice during the year. Only in one case in hospital were organisms of food poisoning isolated—the patient having been sent in as a suspected case of dysentery.



## 6. Nutrition.

No direct figures are available as to the nutrition of the population. Indirect evidence, however, suggests that there has been of recent years a steady improvement. This is shown by the decrease in infantile deaths, particularly deaths from causes which may be included generally under the term "congenital debility." Moreover, the results of school medical inspection support the same view.

## VI.—MISCELLANEOUS.

### 1. Supervision of Residential Accommodation under the National Assistance Act.

Two cases were reported of old people who were unable to take proper care of themselves and who were living in a state of dirt and neglect. Both were agreeable to entering an Institution, and arrangements were made for their admission when such accommodation became available.

### 2. Nursing Homes Registration (Scotland) Act.

There were four registered nursing homes which were visited periodically. One has accommodation for 18 medical, surgical and maternity cases; the average number of patients was 14. Two admit chronic sick cases only, having accommodation for 22 and 6 respectively; the average number of cases being 19 and 5. One, which has 5 beds, takes maternity cases only, and had an average of two cases during the year.

### 3. Health Education.

This is carried out by means of leaflets and posters at Child Welfare and other Clinics. In addition, special propaganda is carried out with regard to diphtheria immunisation. On an infant reaching six months of age a circular letter is sent to the mother by post drawing her attention to the importance of immunisation, and telling her that this can be carried out by her own doctor free of charge. In the event of no record being received of the immunisation of the child a reminder is sent to the mother at twelve months of age.

## VII.—GENERAL SANITATION.

General sanitation is dealt with fully in the Reports of the County Sanitary Inspector and the Sanitary Inspectors of the Burghs of Ardrossan, Cumnock, Darvel, Galston, Girvan, Kilwinning, Largs, Maybole, Newmilns, Prestwick, Stewarton and Troon.



TABLE I.  
Births and Deaths in the County and Burghs.

	Estimated Population.	Area in Acres.	Live-Births.	Still-Births.	Deaths at Sub-joined Ages.					Mortality from Sub-joined Causes.																						
					At all Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 Years and Upwards.	Smallpox.	Diphtheria.	Scarlet Fever.	Typhus Fever.	Enteric & Paratyphoid Fevers.	Cerebro-Spinal Fever.	Measles.	Whooping Cough.	Maternal Causes.		Digestive Diseases.		Tuber- culous Diseases.		Pneumonia.	Diseases of Respiratory System	Influenza.	Cancer.	Diseases of Nervous System.	Diseases of Circulatory System.	Violence.	All Other Certified Causes.	Uncertified Causes.
																		Puerperal Fever.	Other Puerperal Causes.	Diarrhoea.	Other Digestive Diseases.	Pulmonary.	Non-Pulmonary.									
County—	135,343	707,330	2584	61	1367	93	14	20	1240	—	1	—	—	—	2	—	2	—	3	16	44	37	3	47	58	5	188	240	445	62	194	20
Landward .....					85	6	—	2	77	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Burghs—					60	—	1	—	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ardrossan.....	8,949	730	192	6	85	6	—	—	77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cumnock.....	4,425	259	102	1	60	—	—	—	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Darvel.....	3,423	453	45	1	42	4	—	—	38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Galston.....	4,942	191	101	1	48	2	—	—	46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Girvan.....	5,952	487	97	5	80	1	1	—	78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irvine.....	15,108	1,783	310	5	157	15	3	3	136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kilwinning.....	6,327	440	140	6	83	5	2	—	76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Largs.....	7,244	610	113	1	153	4	—	—	149	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maybole.....	4,925	392	99	4	50	3	1	—	46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Newmilns.....	4,196	636	63	2	66	—	—	—	65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prestwick.....	11,321	1,039	176	2	160	6	1	—	154	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Saltcoats.....	12,802	464	273	8	143	7	1	—	135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stewarton.....	2,884	381	65	—	30	1	—	—	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Troon.....	9,877	2,995	152	3	128	5	—	1	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
County-Landward and Small Burghs	237,918	718,190	4512	106	2652	152	24	26	2450	—	1	—	—	—	2	1	5	4	—	24	76	78	11	80	93	10	409	450	914	93	363	38



TABLE II.

Density of Population, Birth Rate, Infantile and Other Death Rates.

Death Rate per 1,000 from																										
District.	Persons to the Acre.	Birth Rate.	Deaths under 1 Year of Age per 1,000 Births.	All Causes.	The Principal Zymotic Diseases.								Maternal Causes.		Digestive Diseases.		Tuberculous Diseases.		Pneumonia.	Diseases of Respiratory System.	Influenza.	Cancer.	Diseases of Nervous System.	Diseases of Circulatory System.	Violence.	
					Smallpox.	Diphtheria and Croup.	Scarlet Fever.	Typhus Fever.	Enteric and Paratyphoid Fevers.	Cerebro-Spinal Fever.	Measles.	Whooping Cough.	Puerperal Fever.	Other Puerperal Causes.	Diarrhoea.	Other Digestive Diseases.	Pulmonary.	Non-Pulmonary.								
County—	0-19	19-1	36	10-100	—	0-007	—	—	—	—	0-015	—	0-015	—	—	—	—	—	—	—	—	1-389	1-773	3-288	0-458	
Landward .....	12-26	21-5	31	9-498	—	—	—	—	—	—	0-112	—	—	—	—	—	—	—	—	—	—	1-785	1-006	3-351	0-223	
Burghs—	17-86	22-1	0	12-973	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-946	1-514	5-338	0-216	
Ardrossan .....	7-56	13-1	89	12-270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2-629	2-337	2-921	0-292	
Cunnoch .....	25-88	20-4	20	9-713	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-821	1-214	3-439	0-202	
Darvel .....	12-22	16-3	10	13-441	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3-024	1-680	4-032	0-672	
Galston .....	8-47	20-5	48	10-392	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-589	1-853	2-714	0-066	
Irvine .....	14-38	22-1	36	13-118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2-213	1-739	6-638	0-316	
Kilwinning .....	11-88	15-6	35	21-121	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3-727	4-417	7-454	0-552	
Largs .....	12-56	20-1	30	10-152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-827	2-031	3-249	—	
Maybole .....	6-60	15-0	0	15-729	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2-622	3-813	4-290	0-477	
Newmilns .....	10-90	15-5	34	14-133	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2-473	2-032	5-830	0-353	
Prestwick .....	27-59	21-3	26	11-170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-953	1-953	3-906	0-391	
Saltcoats .....	7-57	22-5	15	10-402	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-387	3-123	4-507	—	
Stewarton .....	3-30	15-4	33	12-959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1-822	1-620	6-176	0-405	
Troon .....					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
County-Landward and Small Burghs	0-33	19-0	34	11-147	—	0-004	—	—	—	—	0-008	0-004	0-021	—	0-017	0-101	0-319	0-328	0-046	0-336	0-391	0-042	1-719	1-891	3-842	0-391



TABLE III.

Deaths at Different Ages and Percentages of Total Deaths.

	<i>Total Deaths.</i>	<i>Deaths under 5.</i>	<i>Deaths 5 and under 15.</i>	<i>Deaths 15 and under 65.</i>	<i>Deaths 65 and Upwards.</i>	<i>Percentage.</i>			
						<i>Under 5</i>	<i>5-15.</i>	<i>15-65.</i>	<i>65 and Upwards</i>
County—									
Landward.	1367	107	20	439	801	7·8	1·5	32·1	58·6
Burghs—									
Ardrossan.	85	6	2	34	43	7·1	2·3	40·0	50·6
Cumnock..	60	1	...	25	34	1·7	...	41·6	56·6
Darvel.....	42	4	...	15	23	9·5	...	35·7	54·8
Galston....	48	2	...	17	29	4·2	...	35·4	60·4
Girvan.....	80	2	...	23	55	2·5	...	28·7	68·8
Irvine.....	157	18	3	59	77	11·5	1·9	37·6	49·0
Kilwinning	83	7	...	32	44	8·4	...	38·6	53·0
Largs.....	153	4	...	28	121	2·6	...	18·3	79·1
Maybole...	50	4	...	14	32	8·0	...	28·0	64·0
Newmilns.	66	1	...	25	40	1·5	...	37·9	60·6
Prestwick.	160	6	...	38	116	3·7	...	23·8	72·5
Saltcoats..	143	8	...	60	75	5·6	...	42·0	52·4
Stewarton.	30	1	...	13	16	3·3	...	43·3	53·4
Troon.....	128	5	1	45	77	3·9	0·8	35·1	60·2
County— Landward and Small Burghs ...	2652	176	26	867	1583	6·6	1·0	32·7	59·7



TABLE IV.

## Infantile Mortality.

(1) CLASSIFIED ACCORDING TO AGE GROUPS :—						Deaths.	Rate per 1,000 Births.
Under 1 Week	...	...	...	...	...	63	14.0
1 Week and under 4 Weeks	...	...	...	...	...	12	2.7
4 Weeks and under 3 Months	...	...	...	...	...	36	8.0
3 Months and under 6 Months	...	...	...	...	...	20	4.4
6 Months and under 12 Months	...	...	...	...	...	21	4.7

## (2) CLASSIFIED ACCORDING TO CAUSES OF DEATH.

Chickenpox	...	...	...	...	...	—	—
Measles	...	...	...	...	...	—	—
Scarlet Fever	...	...	...	...	...	—	—
Whooping Cough	...	...	...	...	...	5	1.11
Diphtheria and Croup	...	...	...	...	...	1	0.22
Erysipelas	...	...	...	...	...	—	—
Tuberculous Diseases	...	...	...	...	...	1	0.22
Meningitis (not Tuberculous)	...	...	...	...	...	1	0.22
Hydrocephalus	...	...	...	...	...	2	0.44
Convulsions	...	...	...	...	...	1	0.22
Pneumonia (all forms)	...	...	...	...	...	37	8.20
Bronchitis	...	...	...	...	...	2	0.44
Diarrhoea and Enteritis	...	...	...	...	...	14	3.10
Other Digestive Diseases	...	...	...	...	...	8	1.77
Congenital Malformations	...	...	...	...	...	14	3.10
Congenital Heart	...	...	...	...	...	2	0.44
Premature Birth	...	...	...	...	...	35	7.76
Atrophy, Debility and Marasmus	...	...	...	...	...	3	0.67
Atelectasis	...	...	...	...	...	4	0.88
Injury at Birth	...	...	...	...	...	4	0.88
Suffocation (Overlaying)	...	...	...	...	...	—	—
Syphilis	...	...	...	...	...	—	—
Violence	...	...	...	...	...	4	0.88
All other causes	...	...	...	...	...	14	3.10



TABLE V.

## Infectious Diseases—Year 1949.

Number of Cases coming to the Knowledge of the Medical Officer of Health and accepted by him as suffering from disease stated.

	Smallpox.	Cholera.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Typhus Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Tuberculosis.		Puerperal Fever.	Ophthalmia Neonatorum.	Malaria.	Dysentery.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pneumonia (not otherwise notifiable).	Acute Infective Jaundice.	Acute Poliomyelitis.	Acute Polioencephalitis.	Encephalitis Lethargica.	Cerebro-Spinal Fever.	Whooping Cough.	
	—	—	7	48	322	—	*4	—	1	228	40	1	4	—	15	260	19	5	—	15	—	—	—	12	29
County—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Landward.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Burghs—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Ardsrossan.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cumnock.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Darvel.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Galston.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Girvan.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Irvine.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kilwinning.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Largs.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Maybole.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Newmilns.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Prestwick.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Saltcoats.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Stewarton.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Troon.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
County Landward and Small Burghs)	—	—	7	48	322	—	*4	—	1	228	40	1	4	—	15	260	19	5	—	15	—	—	—	12	29

\*4 cases of Paratyphoid Fever.



TABLE VI.

Principal Infectious Diseases Notified Monthly in the County and Small Burghs.

Diseases.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total Cases.
Smallpox ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria & Membranous Croup	1	—	1	—	1	1	1	—	—	1	1	—	7
Erysipelas ...	7	5	1	7	4	2	5	2	4	2	3	6	48
Scarlet Fever ...	23	29	36	27	16	23	21	22	19	30	34	42	322
Typhus Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid, Paratyphoid, and Continued Fevers ...	—	—	—	1	1	1	2	—	—	—	—	—	5
Puerperal Fever ...	—	—	—	—	—	—	—	—	1	—	—	—	1
Puerperal Pyrexia ...	1	—	—	—	—	—	—	—	—	—	—	—	1
Cerebro-Spinal Fever ...	3	1	2	1	—	2	—	1	—	1	—	1	12
Acute Poliomyelitis ...	—	—	1	—	—	1	6	1	1	4	1	—	15
Tuberculosis—Pulmonary ...	16	14	18	21	23	25	23	17	15	19	15	22	228
Non-Pulmonary ...	4	3	3	6	2	—	5	4	3	3	2	1	36
TOTAL ...	55	52	62	63	47	55	63	47	43	60	56	72	675



TABLE VII.

Infectious Diseases—Hospitals and Cases Isolated in them—County and Small Burghs.

<i>Hospitals.</i>	<i>Smallpox.</i>	<i>Diphtheria and Membranous Croup.</i>	<i>Erysipelas.</i>	<i>Scarlet Fever.</i>	<i>Acute Polio- myelitis.</i>	<i>Typhoid, Paratyphoid and Continued Fevers.</i>	<i>Puerperal Fever and Puerperal Pyrexia.</i>	<i>Cerebro- Spinal Fever.</i>	<i>Total Admitted</i>
Ayrshire Central .....	—	5	11	302	13	4	2	11	348
Cumnock .....	—	—	—	2	—	—	—	—	2
Ayr (Heathfield) .....	—	2	2	17	2	1	—	1	25
Kilmarnock (Kirklandside)	—	—	—	9	—	—	—	—	9
Totals .....	—	7	13	330	15	5	2	12	384
Cases in which Diagnosis is Confirmed .....	—	7	10	315	15	5	2	12	366



TABLE VIII.

INFECTIOUS DISEASES.—Return of Cases of Infectious Diseases Confirmed during the year ended 31st December, 1949, by Ages.

Disease.	At Age—Years.								Cases Removed to Hospital.	Cases not Removed to Hospital.
	At all Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.		
Cerebro-Spinal Fever.....	12	4	5	2	—	1	—	—	12	—
Chickenpox*.....	—	—	—	—	—	—	—	—	—	—
Cholera.....	—	—	—	—	—	—	—	—	—	—
Continued Fever (Undulant)...	1	—	—	—	—	—	1	—	—	—
Diphtheria.....	7	1	2	1	1	2	—	—	1	—
Dysentery.....	15	3	6	—	1	5	—	—	7	—
Encephalitis Lethargica.....	—	—	—	—	—	—	—	—	15	—
Erysipelas.....	48	3	1	—	1	12	22	9	10	38
Jaundice, Acute Infective.....	—	—	—	—	—	—	—	—	—	—
Malaria.....	—	—	—	—	—	—	—	—	—	—
Measles*.....	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum.....	4	4	—	—	—	—	—	—	3	1
Plague.....	—	—	—	—	—	—	—	—	—	—
Pneumonia, Acute Influenzal...	19	1	1	2	—	3	10	2	10	9
Pneumonia, Acute Primary.....	260	41	43	38	22	34	48	34	200	60
Pneumonia (not notifiable)....	5	1	3	1	—	—	—	—	5	—
Poliomyelitis, Acute.....	15	4	3	6	—	2	—	—	15	—
Puerperal Fever.....	1	—	—	—	—	1	—	—	1	—
Puerperal Pyrexia.....	1	—	—	—	—	1	—	—	1	—
Scarlet Fever.....	322	1	90	205	18	8	—	—	315	7
Smallpox.....	—	—	—	—	—	—	—	—	—	—
Typhoid Fever.....	—	—	—	—	—	—	—	—	—	—
Paratyphoid "A".....	—	—	—	—	—	—	—	—	—	—
Paratyphoid "B".....	4	—	—	2	1	1	—	—	4	—
Typhus Fever.....	—	—	—	—	—	—	—	—	—	—
Whooping Cough*.....	29	6	13	8	2	—	—	—	16	13
Total.....	743	69	167	265	46	70	81	45	615	128

\* Not Notifiable.



TABLE IX.

## TUBERCULOSIS—STATISTICAL RETURNS, 1949.

## 1.—Return of Cases of Tuberculosis Notified during the year.

	Number of Cases notified as suffering from Tuberculosis.										Cases notified in a previous year and removed to Hospital for the first time during 1949	
	Age Groups.											
	Under 1.	1 and under 5.	5 and under 10.	10 and under 15.	15 and under 25.	25 and under 35.	35 and under 45.	45 and under 65.	65 and upwards	Total.		
Respiratory ...	—	7	7	6	37	28	22	14	1	122	83	13
	—	3	1	7	51	26	10	7	2	107	91	11
	—	10	8	13	88	54	32	21	3	229	174	24
Non-Respiratory ...	—	3	5	2	8	1	2	—	—	21	10	—
	1	5	2	2	4	2	—	1	1	19	11	1
	1	8	7	4	12	4	2	1	1	40	21	1
Respiratory and Non-Respiratory	—	10	12	8	45	29	24	14	1	143	93	13
	1	8	3	9	55	29	10	8	3	126	102	12
	1	18	15	17	100	58	34	22	4	269	195	25



TABLE IX.—Continued.

2.—Return of Cases notified during the year in which Diagnosis of Tuberculosis has been confirmed.

		<i>Number of Cases Diagnosed as Suffering from Tuberculosis.</i>									
		<i>Age Groups.</i>									
		<i>Under 1.</i>	<i>1 and under 5.</i>	<i>5 and under 10.</i>	<i>10 and under 15.</i>	<i>15 and under 25.</i>	<i>25 and under 35.</i>	<i>35 and under 45.</i>	<i>45 and under 65.</i>	<i>65 and upwards.</i>	<i>Total.</i>
Respiratory ...	Males ...	—	7	7	6	37	28	22	14	1	122
	Females ...	—	3	1	7	50	26	10	7	2	106
	Total ...	—	10	8	13	87	54	32	21	3	228
Non-Respiratory ...	Males ...	—	3	3	2	7	1	2	—	—	18
	Females ...	1	4	2	2	4	3	—	1	1	18
	Total ...	1	7	5	4	11	4	2	1	1	36
Respiratory and Non-Respiratory	Males ...	—	10	10	8	44	29	24	14	1	140
	Females ...	1	7	3	9	54	29	10	8	3	124
	Total ...	1	17	13	17	98	58	34	22	4	264



TABLE IX.—Continued.

3.—Return showing the Number of Cases with their Home Residence in the Area who received Treatment in Sanatoria or other Institutions during the year ended 31st December, 1949.

		Number of Patients.					
		(a) <i>In Institutions on 1st January.</i>	(b) <i>Admitted during the year.</i>	(c) <i>Discharged during the year.</i>	<i>Died in the Institutions.†</i>		(f) <i>In Institutions on 31st December.</i>
					(d)	(e)	
Respiratory ... ..	†Adults ...	55	96	64	10	2	75
	{ Males ...						
	{ Females ...	86	108	86	11	1	96
	Children ...	15	19	24	—	—	10
Non-Respiratory ...	{ Males ...	11	15	17	—	—	9
	{ Females ...						
	{ Males ...	8	8	4	1	—	11
	{ Females ...	14	7	10	2	—	9
Non-Respiratory ...	Children ...	14	3	5	3	—	9
	{ Males ...						
	{ Females ...	11	5	7	2	2	5
Total ... ..		214	261	217	29	5	224

† Column (d) shows those who were in final residence 28 days or over. Column (e) shows those who were in final residence under 28 days.  
‡ All patients of 15 years and upwards classed as Adults.



TABLE IX.—Continued.

4.—Return of Number of Persons Resident in the Area at 31st December, 1949, who were known to be Suffering from Tuberculosis.

(Only Cases in which a diagnosis of Tuberculosis has been confirmed have been included. Persons in Sanatoria, etc., are included in the figures for the Area in which they have their Home Residence.)

		Number of Cases.									
		Age Groups.									
		Under 1.	1 and under 5.	5 and under 10.	10 and under 15.	15 and under 25.	25 and under 35.	35 and under 45.	45 and under 65.	65 and upwards.	Total.
RESPIRATORY. <sup>a</sup>	1. Sputum or other material examined and Tubercle Bacilli found ...	—	—	—	5	80	111	74	42	3	315
	2. Sputum or other material examined and Tubercle Bacilli never found ...	—	—	3	14	143	124	43	11	1	326
	3. Sputum or other material examined ...	—	—	2	9	66	37	29	16	—	165
	4. Sputum or other material examined ...	—	15	24	16	72	47	15	5	—	150
	5. Sputum or other material examined ...	—	11	13	8*	15	11	1	7	3	92
Total ...		—	26	43	55	384	337	164	84	7	1100
NON-RESPIRATORY. <sup>b</sup>	1. Abdominal ...	—	—	—	3	2	1	—	—	—	7
	2. Spine ...	—	—	1	2	1	2	—	—	—	6
	3. Bones and Joints (exclusive of Spine) ...	—	1	1	5	6	7	1	—	—	20
	4. Superficial Glands ...	—	1	2	2	11	3	2	1	—	22
	5. Lupus ...	—	1	2	2	18	4	1	3	—	31
	6. Other Parts or Organs ...	—	3	3	3	9	4	2	1	1	26
	Total ...	—	2	6	6	2	4	3	—	—	9
RESPIRATORY AND NON-RESPIRATORY		—	12	20	27	64	28	12	6	1	170
Total ...		—	38	63	82	448	365	176	90	8	1270

<sup>a</sup> Persons suffering from Respiratory and Non-Respiratory Tuberculosis included under "Respiratory" only.  
<sup>b</sup> Persons suffering from Multiple Lesions classified according to the site of the Principal Lesion. No case included more than once.

Note.—A patient is retained on the register in the case of Respiratory Tuberculosis for at least five years, and in the case of Non-Respiratory Tuberculosis for at least three years, after complete freedom from symptoms and absence of signs of tuberculosis, except such as are compatible with a healed lesion or lesions.



TABLE IX.—Continued.

5.—Return of Number of Persons who died from Tuberculosis in the Area during the year ended 31st December, 1949, with particulars as to the period elapsing between Notification and Death and between Discharge from an Institution and Death. (Persons Dying in Sanatoria, etc., are included in the figures for the Area in which they had their Home Residence.)

	Pulmonary.		Non-Pulmonary.	
	Males.	Females.	Males.	Females.
Number of Persons who Died from Tuberculosis—	40	38	5	6
Of whom—				
Not notified or notified only at or after Death	4	4	—	—
Notified less than 1 month before Death	6	3	1	2
Notified from 1 to 3 Months before Death...	—	2	—	—
Notified from 3 to 6 Months before Death...	3	4	1	—
Notified from 6 to 12 Months before Death...	3	4	1	1
Notified from 1 to 2 Years before Death	6	6	—	—
Notified over 2 Years	18	15	2	3
Total	40	38	5	6
Number who Died within 28 days after Discharge from an Institution	2	—	—	—
Number who Died more than 28 days after Discharge from an Institution	11	11	—	—



TABLE X.  
OUTPATIENT CLINICS.

<i>Place and Premises.</i>	<i>Day.</i>	<i>Hour.</i>	<i>Doctor.</i>	<i>Remarks.</i>
School Clinics—				
Ayr—King Street ...	Every Monday.	3 p.m.	School Medical Officer.	
Dalry—Higher Grade School ...	Every Friday.	2 p.m.	School Medical Officer.	
Galston—Henrietta Street ...	Every Thursday.	10 a.m.	School Medical Officer.	
Girvan—Clinic, Wesley Place ...	Every Monday.	2 p.m.	School Medical Officer.	
Irvine—Waterside Street ...	Every Wednesday.	2 p.m.	School Medical Officer.	
Kilbirnie—Central School ...	Every Monday.	2 p.m.	School Medical Officer.	
Kilmarnock—Green St. Clinic ...	Every Wednesday.	10 a.m.	School Medical Officer.	
Maybole—Carrick Home ...	Every Friday.	10 a.m.	School Medical Officer.	
Prestwick—Glenburn P.S. ...	Every Friday.	1.30 p.m.	School Medical Officer.	
Saltcoats—Public School ...	Every Tuesday.	10 a.m.	School Medical Officer.	
Troon—Troon Infant School.	Every Friday.	10 a.m.	School Medical Officer.	
Child Welfare Centres—				
Annbank—The Hall...	Third Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Ardrossan—Castlecraigs,				
Glasgow Street ...	Third Thursday.	2.15 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Auchinleck—Town Hall ...	Second Thursday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Beith—Town House...	First Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Catrine—Brown's Institute...	Second Wednesday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Crosshouse—Co-operative Hall	Third Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Cumnock—Millbank...	First and Third Wednesdays.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Dalmellington—Church Hall.	Fourth Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Dalry—First-Aid Post, James Street ...				
Darvel—Lesser Town Hall...	Third Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Dreghorn—Clinic (Public Assistance Office)	Second Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Dronagan—Church Hall ...	Third Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Galston—Henrietta Street ...	Fourth Wednesday	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Girvan—Wesley Place ...	Third Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Hurlford—The Institute ...	First Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Irvine—Bank St. Clinic ...	Fourth Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Kilbirnie—Nurses' Home ...	First and Third Thursdays.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Kilwinning—Parish Chambers	Second Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Kilmaurs—Kilmaurs Hall ...	First Tuesday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Largs—Moorburn Rd. Clinic	First Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Lugar—The Institute ...	Second and Fourth Mondays.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Mauchline—Parish Church Hall	Fourth Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Maybole—Carrick Home ...	Second Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Muirkirk—	Second Tuesday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Masonic Hall ...	First Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Kames Institute...	Third Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.







COUNTY OF AYR.



# ANNUAL REPORT

BY THE

## School Medical Officer

For the Year ending 31st July, 1950.



To the Department of Health for Scotland  
and to the Ayr County Council.

LADIES AND GENTLEMEN,

I beg to submit my Annual Report on the work of Medical Inspection and Supervision of School Children in the County of Ayr for the year ending 31st July, 1950.

I have the honour to be,

Your Obedient Servant,

C. A. BIGNOLD,

*County Medical Officer.*

COUNTY BUILDINGS,  
AYR, 1950.



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# AYR COUNTY COUNCIL—EDUCATION COMMITTEE.

## MEDICAL INSPECTION AND TREATMENT.

### I.—STAFF.

*Medical Officer of Health and Chief Administrative School Medical Officer—*

C. A. BIGNOLD, M.A., M.B., Ch.B., B.Sc. (P.H.).

*Assistant School Medical Officers (also Child Welfare Medical Officers)—*

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

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

MARGARET C. P. HAMILTON, M.B., Ch.B., D.P.H.

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

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

AGNES M. HIGHET, M.B., Ch.B., D.P.H., D.R.C.O.G.

*Psychiatrist—*

G. A. W. ANGUS, M.B., Ch.B., D.P.M.

*Chief School Dental Officer—*

A. J. DUNCAN, L.D.S.

*Assistant School Dental Officers—*

P. M. GARDINER, L.D.S.

MISS C. M. RODGER, L.D.S.

A. W. M. WATSON, L.D.S.

R. F. HUNTER, L.D.S.

MISS A. J. PURDIE, L.D.S.

(Resigned 30/8/49).

M. B. SIMPSON, L.D.S.

(Resigned 30/1/50).

*Audiometrician—*

MISS J. B. THOMSON.

*School Nurses—*

MISS M. D. HOWIE (Ardrossan and Stevenston Parishes)  
and 64 Part-time Nurses.



*Clerks—*

THOMAS N. CRAWFORD.

OLIVER MUIR.

*Typists—*

MISS K. STEELE.

MISS M. DORRANCE.

*Dental Attendants—*

MRS. M. WALKER.

MISS J. GRAY.

MISS M. DICKIE

(Resigned 15/10/49).

(Resigned 24/4/50).

MISS A. KELSO

MISS A. BELL.

(Resigned 4/3/50).

MISS A. MUIR.

MISS R. KELSO.

MISS E. J. MORRISON.

MISS M. BANKS.

MISS M. McLEAN

MISS M. HENDRY.

(Resigned 15/5/50).

MISS H. TANNAHILL.

## BURGH OF AYR.

*School Medical Officer—*

R. L. LEASK, M.B., Ch.B., B.Sc. (P.H.), D.P.H., D.P.A.

*Assistant School Medical Officers—*

J. M. WALLACE, M.B., Ch.B., D.P.H., D.I.H.

*School Nurses—*

SIX PART-TIME NURSES.

*Typist—*

MISS SHAW.

## BURGH OF KILMARNOCK.

*School Medical Officer—*

B. R. NISBET, M.D., F.R.C.P.(Ed.), D.P.H.

*Assistant School Medical Officers—*

NAIRN R. COWAN, M.D., B.Sc., D.P.H., D.I.H. (Commenced 29/8/49)

*School Nurses—*

SIX PART-TIME NURSES.

*Typist—*

MISS E. LOVE.



## II.—GENERAL STATISTICS.

Population of the Area	...	...	...	...	...	324,526
Number of Schools—						
(a) Primary Schools under Education Authority	...					94
(b) Secondary Schools under Education Authority	...					59
(c) (i) Special Schools	...	...	...	...	...	3
(ii) Special Classes in Ordinary Schools	...	...				—
(iii) Nursery Schools	...	...	...	...	...	4
(d) In receipt of Grant from Education Authority under Medical Inspection	...	...	...			1
Number of Children on the Registers	...	...				51,444
Number of Children in Average Attendance	...					51,020

## III.—SANITARY CONDITIONS OF SCHOOLS.

The Medical Officers on their visits to schools inspect the sanitation and any matters requiring attention are brought to the notice of the appropriate Official.

In general the cleanliness of the schools was found to be satisfactory. Many of them, however, are obsolete, but under present conditions cannot be replaced. Emergency measures were taken by the Education Staff to provide accommodation for the increase of pupils due to the raising of the school age, and this in a number of instances involved using the medical inspection rooms as class rooms.

## IV.—ORGANISATION AND TREATMENT.

School Nurses attend at the medical inspection and subsequently are supplied with a list of the cases to be followed up at home. They keep a register compiled from these lists and report where treatment is given and the condition remedied. The School Nurses also visit the schools between the School Medical Officers inspections.



**(a) System of School Medical Inspection and Arrangements for Following up.**

The pupils examined at routine inspections were :—

- (1) All entrants and children not previously subjected in school to detailed routine inspections.
- (2) Children born in 1940.
- (3) Children born in 1936.
- (4) Children born in 1933.
- (5) Children born in 1942 (visual acuity and hearing only).

Before every routine visit to a school the Head Teacher is asked to produce for special medical examination any pupil who appears to suffer from any physical or mental disability and who has not received or is not receiving appropriate attention.

All children found defective at previous inspections were also re-examined.

Routine and special medical examinations of pupils attending schools in Ayr and Kilmarnock are carried out by the medical staff of the Burghs concerned, who also attend the respective minor ailment clinic and forward to the Chief School Medical Officer particulars regarding any children requiring special medical or educational treatment.

**(b) Supervision of Infectious Disease, including School Closure.**

As the medical inspection of school children is under the control of the Medical Officer of Health for each area, all notifiable cases of infectious disease are known. Where it seems to the Head Teacher that there is any undue incidence of non-notifiable disease he brings the matter to the notice of the School Medical Officer. Disinfection of class-rooms is carried out where indicated. No schools were closed as a result of infectious disease during the session.

**(c) Co-ordination with Public Health Service.**

In the County Area each Assistant Medical Officer is in charge of the School Health and Child Welfare work in a district, so that the same Medical Officer sees the child from birth to school leaving age. The same arrangement exists in the Burghs of Ayr and Kilmarnock.



#### (d) Presence of Parents at Inspection.

The presence of parents is encouraged at school medical inspection. Many defects are pointed out to them, of which they were previously unaware, and thus the services of the family doctor are solicited earlier than otherwise would have been the case, with more satisfactory results in the way of prevention and cure. The number of parents who attended the routine inspections during the year was 3,203.

### V.—THE FINDINGS OF MEDICAL INSPECTION.

#### (a) Routine.

The number of children examined was 14,792, of whom 4,414 or 29·84 per cent. suffered from some defect. Of these 2,585 or 17·48 of the children examined suffered from minor defects or from ailments from which recovery was expected in a few weeks, and 1,438 or 9·72 suffered from defects less remediable, but from which complete recovery or restoration of function was ultimately anticipated. The number suffering from defects where improvement only could be expected was 391 or 2·64 of those examined.

The following is a summary showing the various defects and the percentage found defective at Routine Inspection.

##### (1) Clothing.

Thirty-six children were found to have unsatisfactory clothing, 0·24 per cent. of the children examined at routine inspections. At special inspections 24 children were found to be unsatisfactorily clothed.

##### (2) Footgear.

Five children were found to have unsatisfactory footgear, 0·03 per cent. of the children examined at routine inspections. At special inspections 4 children were found to have unsatisfactory footgear.

##### (3) Cleanliness.

(a) *Head*.—The number of children found at routine inspections to have dirty or verminous head was 589 or 3·98 per cent. of those examined.



(b) *Body*.—The number of children found at routine inspections to have dirty or verminous bodies was 41 or 0.27 per cent.

At special inspections 168 children were found to have a dirty or verminous condition of the head and 44 to have a similar condition of the body.

#### (4) **Skin.**

(a) *Head*.—At routine inspections the following were found to be suffering from skin diseases of the head :—

Impetigo ... ..	9 children or 0.06 per cent.
Other Diseases ... ..	35 children or 0.23 per cent.

At special inspections 10 children were found to be suffering from Impetigo and 11 from Other Diseases.

(b) *Body*.—At routine inspections the following skin conditions affecting the body were found :—

Ringworm ... ..	4 children or 0.02 per cent.
Impetigo ... ..	2 children or 0.01 per cent.
Scabies ... ..	20 children or 0.13 per cent.
Other Diseases ... ..	145 children or 0.98 per cent.

At special inspections 2 children were found to be suffering from Ringworm, 3 from Impetigo, 5 from Scabies, and 36 from other Skin Diseases.

#### (5) **Nutritional State.**

At routine inspections 185 children were found to be suffering from slightly defective nutrition and 7 from bad nutrition, being respectively 1.25 and 0.04 per cent. of the children examined.

At special examinations 33 children were found to be suffering from slightly defective nutrition.

#### (6) **Mouth and Teeth.**

At routine medical inspections 405 children were suffering from unhealthy conditions of the mouth and teeth, 2.73 per cent. of the children examined.

At special inspections an unhealthy condition of the mouth and teeth was found in 23 children.



**(7) Nasopharynx.**

(a) *Nose*.—Apart from cases requiring further observation, 86 children or 0.58 per cent. of those examined showed obstruction, probably due to adenoids requiring operation.

At special examinations 20 cases requiring operation were found.

(b) *Throat*.—Apart from cases requiring further observation, 304 children or 2.05 per cent. of those examined were found to have tonsils which required operative treatment.

At special examinations 54 cases of diseased tonsils requiring operation were found.

(c) *Glands*.—Enlarged Glands requiring further observation were found in 160 or 1.08 per cent. of the children examined, while 2 children or 0.01 per cent. had Glands requiring operation.

In addition 44 children requiring observation were found at special examinations.

**(8) Eyes.**

Infective conditions of the lids or conjunctiva were found in 124 children or 0.83 per cent. of those examined.

At special examinations 17 were found.

Corneal Opacities were found in 3 or 0.20 per cent. of the children. At special examination 1 case was found.

Squint affected 315 children or 2.12 per cent. Squint was also found in 40 children brought forward for special examination.

*Visual Acuity*.—Vision was not examined in entrants. Of those in the other age groups 910 or 9.70 per cent. had defective vision requiring refraction. In addition 6,797 children were examined as "Specials," including the seven-year-old group examined in place of entrants. Of these 632 were found to require refraction.

**(9) Ears.**

Otorrhoea or discharge from the ears affected 80 children or 0.54 per cent. Discharging ears were found in 24 children examined as "Specials."



Defective hearing was present in 61 children or 0.41 per cent. The majority, 46, were classified in Grade I., Deafness—Children who can be educated in the ordinary school without special provision.

Of the children examined as "Specials" 23 were classed as suffering from Grade I., Deafness.

#### **(10) Speech.**

Of the children examined at routine inspections 65 or 0.43 per cent. suffered from defective articulation and 13 or 0.08 per cent. from stammering.

Of the children examined as "Specials" 14 showed defective articulation and 7 stammering.

#### **(11) Mental and Nervous Conditions.**

At inspections of routine age groups 12 children or 0.08 per cent. were found to be educable mental defectives and no ineducable defectives were found.

Other mental or nervous conditions affected 52 or 0.35 per cent. of the children examined.

At special examinations 7 children were found to be backward, 1 dull intrinsically, 6 mentally defective (educable), 2 highly nervous and 2 of difficult behaviour.

#### **(12) Circulatory System.**

At routine inspections 54 children were found to be suffering from organic heart disease, comprising 0.36 per cent. of the children examined.

At special examinations 3 cases of organic heart disease were found.

#### **(13) Lungs.**

The number of children suffering from chronic bronchitis was 62 or 0.41 per cent. of those examined at routine inspections.



There were referred to the Tuberculosis Officer as suspected cases of Tuberculosis 12 children or 0·08 per cent.

Other diseases of the Lungs affected 90 children or 0·60 per cent.

Of children examined as "Specials" 7 had Chronic Bronchitis, 7 suspected Tuberculosis and 15 other diseases.

#### (14) Deformities.

Deformities dating from birth affected 64 children or 0·43 per cent.

Deformities due to Infantile Paralysis affected 19 children or 0·13 per cent.

Deformities due to Rickets affected 24 children or 0·16 per cent.

Deformities due to other causes, for instance accident, affected 92 children or 0·62 per cent.

Children submitted for special examination included 2 cases of Congenital Deformity and 8 of Deformities due to other causes (not Rickets).

#### (15) Infectious Disease.

There were discovered at routine inspections 4 cases of Infectious Disease, 0·02 per cent. of the children examined.

At special examinations 2 cases of Infectious Disease were found.

#### (16) Other Diseases or Defects.

Affected 270 children or 1·82 per cent. of those examined.

##### (b) Specials.

Of the 6,797 special cases examined 1,012 were found defective, and the following is a list of the defects found :—

(1) Unsatisfactory Clothing	...	...	...	...	...	24
(2) Unsatisfactory Footgear	...	...	...	...	...	4



**(3) Cleanliness—**

<i>Head</i> —Dirty, Nits or Vermin	...	...	...	168
<i>Body</i> —Dirty, Nits or Vermin	...	...	...	44

**(4) Skin—Head—**

Ringworm	...	...	...	...	...	...	0
Impetigo	...	...	...	...	...	...	10
Other Diseases	...	...	...	...	...	...	11

**Skin—Body—**

Ringworm	...	...	...	...	...	...	2
Impetigo	...	...	...	...	...	...	3
Scabies	...	...	...	...	...	...	5
Other Diseases	...	...	...	...	...	...	36

**(5) Nutritional State—**

Slightly Defective	...	...	...	...	...	...	33
Bad	...	...	...	...	...	...	0

**(6) Mouth and Teeth Unhealthy** ... .. 23**(7) Nose—**

Obstruction requiring observation	...	...	...	44
Obstruction (probable Adenoids) requiring operation	...	...	...	20
Other Conditions	...	...	...	83

**Throat—**

Tonsils requiring observation	...	...	...	187
Tonsils requiring operative treatment	...	...	...	54

**Glands—**

Requiring observation	...	...	...	44
Requiring operative treatment	...	...	...	0

**(8) Eyes—****External Diseases—**

Blepharitis	...	...	...	...	...	...	13
Conjunctivitis	...	...	...	...	...	...	4
Corneal Opacities	...	...	...	...	...	...	1
Squint	...	...	...	...	...	...	40
Other Diseases	...	...	...	...	...	...	38

**Visual Acuity—**

Defective Vision (for Refraction)	...	...	...	632
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**(9) Ears—**

Otorrhoea	...	...	...	...	...	...	24
Other Diseases	...	...	...	...	...	...	24

**Defective Hearing—**

Grade I.	...	...	...	...	...	...	23
----------	-----	-----	-----	-----	-----	-----	----

**(10) Speech—**

Defective Articulation	...	...	...	...	...	...	14
Stammering	...	...	...	...	...	...	7

**(11) Mental and Nervous Condition—**

Backward	...	...	...	...	...	...	7
Dull (Intrinsically)	...	...	...	...	...	...	1
Mental Defective (Educable)	...	...	...	...	...	...	6
Mental Defective (Ineducable)	...	...	...	...	...	...	0
Highly Nervous	...	...	...	...	...	...	2
Difficult Behaviour	...	...	...	...	...	...	2

**(12) Circulatory System—****Organic Heart Disease—**

Congenital	...	...	...	...	...	...	3
Acquired	...	...	...	...	...	...	0

**(13) Lungs—**

Chronic Bronchitis	...	...	...	...	...	...	7
Suspected Tuberculosis	...	...	...	...	...	...	7
Other Diseases	...	...	...	...	...	...	15

**(14) Deformities—**

Congenital	...	...	...	...	...	...	2
Acquired (Infantile Paralysis)	...	...	...	...	...	...	0
Acquired (probable Rickets)	...	...	...	...	...	...	0
Other Causes	...	...	...	...	...	...	8

(15) Infectious Disease	...	...	...	...	...	...	2
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(16) Other Diseases or Defects	...	...	...	...	...	...	120
--------------------------------	-----	-----	-----	-----	-----	-----	-----



## VI.—ARRANGEMENTS FOR MEDICAL TREATMENT.

### (a) Minor Ailments.

There are School Clinics at Troon, Saltcoats, Kilwinning, Irvine, Maybole, Girvan, Dalry, Kilbirnie, Galston, Hurlford, Prestwick, Ayr and Kilmarnock, carried on by the whole-time Medical Officers. The School Nurses at these Centres assist.

The number of children examined by the medical staff at the Clinics was 6,223, and as several paid recurrent visits there was a total of 11,139 attendances.

- (1) Cuts, Bruises, Sprains and Minor Injuries, etc.—1,426.
- (2) Diseases of the Ear, 316 children, largely cases of Otorrhoea.
- (3) Diseases of the Eye, 330 children, including Conjunctivitis and Blepharitis principally.
- (4) Diseases of the Skin, 393, being in the main Impetigo, Scabies and Eczema.
- (5) Other Diseases, including cases of non-attendance brought to Clinics on recommendation of Attendance Officers—3,758.

### (b) Defective Vision.

Spectacles were prescribed where necessary. The following is a summary of the cases seen for the period :—

Number of Clinics held	...	...	...	...	198
Number of Children Examined	...	...	...	...	1922
Number of Children Prescribed Spectacles	...	...	...	...	1287

During the month of November, 1949, the examination of children with defective vision for spectacles was resumed under arrangements made with the Regional Hospital Board. These arrangements were extended as the school session developed. The Clinics are attended by members of the staff of the Regional Hospital Board working under Dr. W. O. G. Taylor, the Board's Consultant Ophthalmologist for the area.



(c) **Specialist Treatment.**

I am indebted to the Matron of Seafield Sick Children's Hospital, Ayr, for the following figures of children seen and treated at that Hospital during the year under review :—

*Surgical—*

Number of Clinics held	...	...	...	...	50
Number of Children Examined	...	...	...	...	680
Number of Operating Sessions held	...	...	...	...	189
Number of Children Operated on	...	...	...	...	590

*Eye Cases—Squint—*

Number of Operating Sessions held	...	...	...	...	5
Number of Children Operated on	...	...	...	...	20

*Orthopaedic—*

Number of Clinics held	...	...	...	...	51
Number of Children Examined	...	...	...	...	1583
Number of Children recommended for Remedial Exercises, etc.—					
Out-Patient	...	...	...	...	1889
In-Patient	...	...	...	...	1874
Number of Operating Sessions held	...	...	...	...	11
Number of Children Operated on	...	...	...	...	45
Number of Children put in Plaster of Paris	...	...	...	...	360

*Medical—*

Number of Clinics held	...	...	...	...	150
Number of Children Examined	...	...	...	...	3924
Children Admitted to Hospital	...	...	...	...	368

*Ear, Nose and Throat—Tonsils and Adenoids—*

Number of Sessions held	...	...	...	...	130
Number of Children Operated on	...	...	...	...	1397

*Clinics—*

Number of Cases Examined at Special Ear Clinics	...	...	...	...	11,427
Number of Cases recommended for Treatment	...	...	...	...	1328
Number of Cases admitted for Antral Wash-Out Treatment	...	...	...	...	518
Number of Cases Operated on for Mastoiditis	...	...	...	...	17



#### (d) Audiometric Testing for Defective Hearing.

As a result of the Audiometric tests (using the Gramophone Audiometer in schools and the Pure-Tone Audiometer at the Ear, Nose and Throat Clinic at Seafield Hospital) 415 children have been graded as IIA. and 45 as IIB. for educational purposes.

Of these children 64 have been referred to the Hearing Aid Clinics in Glasgow and at Ballochmyle. The following table shows the present position with regard to Hearing Aids :—

Number of children supplied with Hearing Aid ...	56
Number of children for whom Hearing Aid is unsuitable ... ..	3
Number of children refusing to accept Hearing Aid	3
Number who did not report to Hearing Aid Clinic	2
	<hr/>
	64
	<hr/>

While some of the Grade IIB. cases can make a little progress in ordinary schools with the help of a Hearing Aid, they would make greater strides in education if they had suitable educational treatment. There are :—

- (a) 27 children in immediate need of special education ; and
- (b) 16 children whose need is not quite so urgent but who would also benefit greatly from suitable educational facilities.

The age range of children in Group (a) is from 5-14, and they are domiciled as follows :—Three in Kilmarnock, three in Ayr, three in Irvine, two in Girvan, two in Kilwinning, two in Stevenston, and one in each of the following places—Muirkirk, Lugar, Colmonell, Saltcoats, Dailly, Hurlford, Ardrossan, Troon, Mauchline, Drongan, Ochiltree and Beith.

Group (b) 7-15, and they are domiciled as follows :—Three in Hurlford, two in Ayr, two in Prestwick, and one in each of the following places—Rankinston, Maybole, New Cumnock, Irvine, Galston, Pinwherry, Catrine, Drongan and Kilmarnock.

The following Table shows the Results of Audiometric Tests for the year ending 31st July, 1950.



## RESULTS OF GRAMOPHONE AUDIOMETRIC TESTS IN ALL SCHOOLS IN AYRSHIRE.

Year Ending 31st July, 1950.

Group.	No. of Children Listed.	No. of Children Tested.	No. of Children Normal.	No. of Children Defective.	Grade.				No. of Children referred to E.N.T. Clinic.	No. of Children referred to Hearing Aid Clinic.	Retests.			
					I.	IIA.	IIB.	III.			Normal.	Sh. Imp.	No. Imp.	Det.
Children Born in 1941 ...	4760	4484	4148 92.5 %	336 7.5 %	246 5.48 %	88 1.96 %	2 0.06 %	—	85	—	—	—	—	—
Children Born in 1940. Absent at previous test	274	236	217	19	14	5	—	—	2	—	—	—	—	—
Children of any other age thought to have a Hearing Defect ...	552	519	317	202	86	104	12	—	82	1	—	—	—	—
Retests. Children showing defect at previous test	618	501	192	309	146	135	28	—	71	—	192	116	129	64

## RESULTS OF PURE AUDIOMETRIC TESTS AT EAR, NOSE AND THROAT CLINIC AT SEAFIELD HOSPITAL.

Children attending E.N.T. Clinic (New Cases) ...	—	490	76	414	133	260	14	7	209	8	—	—	—	—
Retests ... ..	—	344	51	293	106	155	31	1	37	12	51	178	102	13



## VII.—DENTAL INSPECTION AND TREATMENT.

### Report by Senior Dental Officer.

The School Dentists devoted 218 half days to schools for the purpose of inspecting children and 1,621 half days in giving the necessary dental treatment during the year, while the number of attendances made by children for treatment was 10,965.

The Dental Staff was further depleted through the resignation of two Dentists, reducing the original number of twelve Dentists to five. The remuneration in private practice is much more attractive than the salaries at present offered by Local Authorities, and advertisements to fill the vacancies on the Dental Staff have brought forth no applications.

The Mobile Dental Clinic, which was delivered towards the end of the session, has proved itself already and has solved the accommodation problem in those schools where previously room was inadequate or, in some cases, non-existent. The equipment in the Clinic has been of great benefit and enables the School Dental Officer to work in conditions approaching those in private practice and gives more comfort to the patients.

The percentage of acceptance has risen to 64%, which is very encouraging.

Once again I would like to express our appreciation of the assistance and kindness shown by Headmasters and Teachers, without whose co-operation it would be almost impossible to run an efficient service.

The following Tables show details of the Inspection and Treatment given :—

**TABLE V.**

#### (a) Inspection—

Number of Children Inspected	...	...	...	12,486
Number of Children requiring Treatment	...	...	...	8091
Number of Children for whom Parents accepted Treatment by School Dentists	...	...	...	5170
Number of Children not requiring Treatment	...	...	...	4395
Number of Children for whom Parents stated that they would have Treatment given Privately	...	...	...	2585
Number of Children for whom Parents did not accept Treatment	...	...	...	336
Number of Special and Emergency Cases Inspected	...	...	...	28
Number of Special and Emergency Cases requiring Treatment	...	...	...	28
Number of Special and Emergency Cases accepted Treatment	...	...	...	28



**(b) Treatment—**

Number of Children Treated	...	...	...	4848
Number of Extractions (Temporary Teeth)	...	...	...	4336
Number of Extractions (Permanent Teeth)	...	...	...	591
Number of Fillings (Temporary Teeth)	...	...	...	266
Number of Fillings (Permanent Teeth)	...	...	...	5282
Number of Dentures supplied	...	...	...	13
Number of Orthodontics	...	...	...	22
Number of Obturators	...	...	...	2
Number of Crowns	...	...	...	3
Number of Inlays	...	...	...	6
Number of X-Rays	...	...	...	42
Number of Scalings	...	...	...	798
Number of other Operations (Permanent)	...	...	...	4623
Number of other Operations (Temporary)	...	...	...	968
Number of Special and Emergency Cases Treated	...	...	...	28
Number of Special and Emergency Extractions (Temporary Teeth)	...	...	...	42
Number of Special and Emergency Extractions (Permanent Teeth)	...	...	...	10
Number of General Anaesthetics	...	...	...	29

**VIII.—SPECIAL SCHOOLS AND CLASSES,  
INCLUDING OPEN-AIR SCHOOLS.**

**(1) St. Leonard's Home Special School, Ayr.**

Day pupils are conveyed daily by motor transport from and to their own homes. The number so dealt with is 69, of whom 13 are physically defective children and 56 mentally defective children.

St. Leonard's Home has 12 physically defective children resident, and these are taught in the Physically Defective Classes.

There are thus on the school roll 25 physically defective and 56 mentally defective children.

There are five classrooms, viz., three for physically defective children and two for mental defectives.

**(2) Park Special School, Kilmarnock.**

There are on the school roll 67 mentally defective children and 32 physically defective children.

There are five occupied classrooms, viz., three for mental defectives and two for physically defective children.



### (3) Special School, Saltcoats.

There are on the school roll 38 mentally defective and 2 physically defective children.

There are three classrooms, viz., two for mental defectives and one for physically defective children.

### (4) Other Institutions.

At present there are in Institutions :—

Donaldson's School for the Deaf, Edinburgh	...	9
Langside School for the Deaf, Glasgow	... ..	25
St. Vincent's School for the Blind and Deaf, Glasgow		10
Royal Blind School, Edinburgh	... ..	4
Colony for Epileptics, Bridge-of-Weir	... ..	3
Baldovan Institution, Dundee	... ..	1
Waverley Park Certified Institution, Kirkintilloch	...	2
St. Joseph's Certified Institution, Rosewell, Midlothian		3
St. Charles' Certified Institution, Carstairs Junction, Lanarkshire	... ..	2
Lennox Castle Certified Institution	... ..	6
East Park Home for Infirm Children, Largs	...	1
Princess Margaret Rose Hospital, Edinburgh	...	1
Hairmyres Hospital, East Kilbride	... ..	1
Royal Scottish Certified Institution	... ..	1

Children requiring convalescent treatment were sent to Clark Convalescent Home, Largs. On 31st March, 1950, the Home was transferred to the Children's Committee. The number of children admitted from 1st August, 1949, to 31st March, 1950, was 89.

These children are now being sent to the Biggart Home, Prestwick, and the number admitted there from 1st April, 1950, to 31st July, 1950, was 26.

The Special Schools at Kilmarnock and Saltcoats being provided with a verandah, and the external sides of the classrooms being of the roll-back type, are essentially open-air schools.

## IX.—ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE OF CHILDREN.

### (a) Staff and Accommodation.

The Authority employs 64 Specialist Teachers of Physical Education. In Secondary Schools these Teachers have charge



of all branches of Physical Education, including Gymnastics, Games, Dancing, Swimming, Athletics and Hygiene. In Primary Schools the aim is that every Class should have one lesson per week from a Specialist Teacher, the remaining Physical Training Lessons being taken by the Class Teachers.

While the majority of schools in the County have indoor accommodation for physical activity (gymnasias, central halls, rented halls, etc.), special attention is given to the provision of an area of the playground suitably surfaced to allow exercise to be taken in the open as often as the vagaries of our climate permit.

#### **(b) Swimming.**

By arrangement with Kilmarnock Town Council the local schools have the use of the Corporation Swimming Baths throughout the session. Approximately 1,000 pupils from Primary V. stage upward have a swimming lesson each week, all year round.

Similar facilities are available at Cumnock, Prestwick, Troon and Saltcoats during the summer term.

#### **(c) Playing Fields.**

The County Council, in co-operation with Ardrossan and Saltcoats Town Councils, has just equipped a spacious playing field adjoining Saltcoats Golf Course. This is sufficient to give adequate facilities for games to all schools in the area. Other similar schemes are pending.

#### **(d) Camp Schools and Trek Camps.**

During the school year the Education Committee has the use of the Camp School at Broomlee for four months. This allows approximately 2,000 pupils to go into residence for a period of two weeks.

For the month of July selected schools are equipped as Camps, and parties of 20 pupils, aged 12 to 15, escorted by two Teachers, spend a week walking from Camp to Camp, sleeping one night at each. Meals are supplied from County Kitchens. In July, 1950, 800 pupils and 100 Teachers took part in this scheme.

All pupils attending Camp School or taking part in Treks are previously examined by the School Medical Staff.

The whole Scheme of Physical Education is co-ordinated by the County Organisers of Physical Education.



## X.—OTHER ACTIVITIES IN RELATION TO THE HEALTH OF SCHOOL CHILDREN.

(a) **Milk and Meals Supplied to School Children.**

The number of children who took advantage of the Milk-in-Schools Scheme was 39,796.

Meals were supplied to 19,744 children, of whom 2,234 were supplied free.

(b) **Psychiatric Service.**

During the school year 100 children, of whom 8 were referred by the County Psychologist, were seen by the County Psychiatrist.

In the previous year 108 cases were seen, of whom 37 were referred by the County Psychologist.

Of the 208 children seen by the County Psychiatrist the majority are still under treatment.

## XI.—THE PHYSICAL CONDITION OF THE SCHOOL CHILDREN.

The following Tables show the number examined and the physical condition of the children under the respective headings :—

TABLE I.

## (a) Total Number of Children Examined at—

Ordinary Schools—							<i>Systematic Examinations</i>
Entrants ...	...	...	...	...	...	...	5,411
Children Born in 1940	...	...	...	...	...	...	4,518
Children Born in 1936	...	...	...	...	...	...	4,440
 Secondary Schools—							
Children Born in 1933	...	...	...	...	...	...	423
TOTAL						...	14,792



## (b) Other Examinations—

## Children Born in 1941—

Visual Acuity and Hearing only	...	...	4,137
Special Cases	...	...	2,660
Re-Examinations—Number Examined	...	...	5,197
Treatment Completed	...	...	2,678
Receiving Treatment	...	...	509
On Waiting List for Treatment	...	...	851
Condition Unchanged—Under Observation	...	...	1159
TOTAL	...	...	11,994

## (c) The Number of Individual Children Inspected at Systematic Examinations who were Notified to Parents as requiring Treatment :—

Entrants	...	...	...	...	682
Children Born in 1940	...	...	...	...	653
Children Born in 1936	...	...	...	...	720
Children Born in 1933	...	...	...	...	27
TOTAL	...	...	...	...	2,082

## (d) Average Heights and Weights—

<i>Group Examined.</i>	<i>Sex.</i>	<i>No. Exam.</i>	<i>Average Age Months.</i>	<i>Average Height Inches.</i>	<i>Average Weight Pounds.</i>
Entrants ... ..	Male	2179	64.43	43.511	43.878
	Female	2064	64.22	43.033	42.204
Children Born in 1940	Male	2108	114.435	52.487	65.124
	Female	2155	115.225	52.169	63.585
Children Born in 1936	Male	2101	162.576	59.957	95.479
	Female	2136	162.747	60.151	98.084
Children Born in 1933	Male	204	201.017	68.299	135.234
	Female	189	200.666	64.33	123.758



TABLE II.

## SCHOOL MEDICAL SERVICE—SYSTEMATIC EXAMINATIONS.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Number Examined	2772	2639	2264	2254	2181	2259	210	213	7427	7365	14,792
1. Clothing—											
Unsatisfactory	16	6	4	3	2	5	—	—	22	14	36
Percentage	0.57	0.22	0.17	0.13	0.09	0.22	—	—	0.29	0.19	0.24
2. Footgear—											
Unsatisfactory	—	1	3	—	—	1	—	—	3	2	5
Percentage	—	0.03	0.13	—	—	0.04	—	—	0.04	0.02	0.03
3. Cleanliness—											
Head—											
Dirty, Nits or Vermin	19	111	14	218	26	200	—	1	59	530	589
Percentage	0.68	4.20	0.61	9.67	1.19	8.85	—	0.46	0.79	7.19	3.98
Body—											
Dirty, or Verminous	7	8	6	11	7	2	—	—	20	21	41
Percentage	0.25	0.30	0.26	0.48	0.32	0.08	—	—	0.26	0.28	0.27



TABLE II.—Continued.

School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
<b>4. Skin—</b>											
Head—											
Ringworm	—	—	—	—	—	—	—	—	—	—	—
Percentage	—	—	—	—	—	—	—	—	—	—	—
Impetigo...	4	—	3	—	—	2	—	—	7	2	9
Percentage	0.14	—	0.13	—	—	0.08	—	—	0.09	0.02	0.06
Other Diseases	11	9	3	2	2	6	1	1	17	18	35
Percentage	0.39	0.34	0.13	0.08	0.09	0.26	0.47	0.46	0.22	0.24	0.23
Body—											
Ringworm	—	—	1	—	2	1	—	—	3	1	4
Percentage	—	—	0.04	—	0.09	0.04	—	—	0.04	0.01	0.02
Impetigo...	—	—	1	—	1	—	—	—	2	—	2
Percentage	—	—	0.04	—	0.04	—	—	—	0.02	—	0.01
Scabies ...	6	1	3	6	3	1	—	—	12	8	20
Percentage	0.21	0.03	0.13	0.26	0.13	0.04	—	—	0.16	0.10	0.13
Other Diseases	16	27	22	23	24	29	3	1	65	80	145
Percentage	0.57	1.02	0.97	1.02	1.10	1.28	1.42	0.46	0.87	1.08	0.98
<b>5.—Nutritional State—</b>											
Slightly Defective...	40	39	33	33	23	17	—	—	96	89	185
Percentage	1.44	1.47	1.45	1.46	1.05	0.75	—	—	1.29	1.20	1.25
Bad ...	—	1	2	2	2	—	—	—	4	3	7
Percentage	—	0.03	0.08	0.08	0.09	—	—	—	0.05	0.04	0.04



TABLE II.—Continued.  
School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
<b>6. Mouth and Teeth—</b>											
Unhealthy ...	96	113	51	47	43	49	3	3	193	212	405
Percentage ...	3.46	4.28	2.25	2.08	1.97	2.16	1.42	1.40	2.59	2.87	2.73
<b>7. Nose—</b>											
Obstruction requiring Observation	80	52	40	23	13	11	1	—	134	86	220
Percentage ...	2.88	1.97	1.76	1.02	0.59	0.48	0.47	—	1.80	1.16	1.48
Obstruction (probably Adenoids) requiring Operation ...	35	24	10	5	5	7	—	—	50	36	86
Percentage ...	1.26	0.90	0.44	0.22	0.22	0.30	—	—	0.67	0.48	0.58
Other Conditions ...	76	68	37	23	19	5	1	—	133	96	229
Percentage ...	2.74	2.57	1.63	1.02	0.87	0.22	0.47	—	1.79	1.30	1.54
<b>Throat—</b>											
Tonsils requiring Observation ...	284	258	134	115	65	77	—	1	483	451	934
Percentage ...	10.24	9.77	5.91	5.10	2.98	3.40	—	0.46	6.50	6.12	6.31
Tonsils requiring Operative Treatment ...	75	77	38	52	30	29	1	2	144	160	304
Percentage ...	2.70	2.91	1.67	2.30	1.37	1.28	0.47	0.93	1.93	2.17	2.05
<b>Glands—</b>											
Requiring Observation ...	72	45	15	16	5	7	—	—	92	8	160
Percentage ...	2.59	1.70	0.66	0.70	0.22	0.30	—	—	1.24	0.92	1.08
Requiring Operative Treatment ...	—	—	—	—	2	—	—	—	2	—	2
Percentage ...	—	—	—	—	0.09	—	—	—	0.02	—	0.01



TABLE II.—Continued.

## School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
8 Eyes—											
External Diseases—											
Blepharitis ...	17	10	20	12	11	26	3	—	51	48	99
Percentage ...	0.61	0.37	0.88	0.53	0.50	1.15	1.42	—	0.68	0.65	0.66
Conjunctivitis ...	9	4	3	2	2	5	—	—	14	11	25
Percentage ...	0.32	0.15	0.13	0.08	0.09	0.22	—	—	0.18	0.14	0.16
Corneal Opacities ...	1	1	—	1	—	—	—	—	1	2	3
Percentage ...	0.03	0.03	—	0.04	—	—	—	—	0.01	0.02	0.02
Squint ...	89	82	37	61	22	22	1	1	149	166	315
Percentage ...	3.21	3.10	1.63	2.71	1.00	0.97	0.47	0.46	2.00	2.25	2.12
Other Diseases ...	8	9	8	12	9	15	3	—	28	36	64
Percentage ...	0.28	0.34	0.35	0.53	0.41	0.66	1.42	—	0.37	0.48	0.43
Visual Acuity—											
Number Examined ...	—	—	2264	2254	2181	2259	210	213	4655	4726	9381
Recommended for Refraction—											
Defective Vision—											
Fair ...	—	—	107	109	95	121	5	12	207	242	449
Percentage ...	—	—	4.72	4.83	4.35	5.35	2.38	5.63	4.44	5.12	4.79
Bad ...	—	—	98	106	114	129	8	6	220	241	461
Percentage ...	—	—	4.32	4.74	5.22	5.71	3.80	2.81	4.72	5.09	4.91



TABLE II.—Continued.  
School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Number Examined	2772	2639	2264	2254	2181	2259	210	213	7427	7365	14,792
9. Ears—											
Otorrhoea ...	17	14	11	5	14	19	—	—	42	38	80
Percentage ...	0.61	0.53	0.48	0.22	0.64	0.84	—	—	0.53	0.51	0.54
Other Diseases ...	9	6	4	9	5	5	1	—	19	20	39
Percentage ...	0.32	0.22	0.17	0.39	0.22	0.22	0.47	—	0.25	0.27	0.26
Defective Hearing—											
Grade I. ...	5	4	14	11	8	3	1	—	28	18	46
Percentage ...	0.18	0.15	0.61	0.48	0.36	0.13	0.47	—	0.37	0.24	0.31
Grade II. (a) ...	1	—	2	4	1	3	1	—	5	7	12
Percentage ...	0.03	—	0.08	0.17	0.04	0.13	0.47	—	0.06	0.09	0.08
Grade II. (b) ...	1	—	—	—	2	—	—	—	3	—	3
Percentage ...	0.03	—	—	—	0.09	—	—	—	0.04	—	0.02
Grade III. ...	—	—	—	—	—	—	—	—	—	—	—
Percentage ...	—	—	—	—	—	—	—	—	—	—	—
10. Speech—											
Defective Articulation ...	38	12	7	—	7	1	—	—	52	13	65
Percentage ...	1.37	0.45	0.30	—	0.32	0.04	—	—	0.70	0.17	0.43
Stammering ...	6	1	1	1	3	1	—	—	10	3	13
Percentage ...	0.21	0.03	0.04	0.04	0.13	0.04	—	—	0.13	0.04	0.09



TABLE II.—Continued.  
School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
<b>11. Mental and Nervous Condition—</b>											
Backward ...	—	—	2	2	1	1	—	—	3	3	6
Percentage ...	—	—	0.08	0.08	0.04	0.04	—	—	0.04	0.04	0.04
Dull (Intrinsically) ...	1	1	8	4	—	2	—	—	9	7	16
Percentage ...	0.03	0.03	0.35	0.17	—	0.08	—	—	0.12	0.09	0.11
Mentally Defective (Educable) ...	2	1	2	1	4	2	—	—	8	4	12
Percentage ...	0.07	0.03	0.08	0.04	0.18	0.08	—	—	0.10	0.05	0.08
Mentally Defective (Ineducable) ...	—	—	—	—	—	—	—	—	—	—	—
Percentage ...	—	—	—	—	—	—	—	—	—	—	—
Highly Nervous ...	7	7	5	5	1	3	—	—	13	15	28
Percentage ...	0.25	0.26	0.22	0.22	0.04	0.13	—	—	0.17	0.20	0.19
Difficult in Behaviour ...	—	—	2	—	—	—	—	—	2	—	2
Percentage ...	—	—	0.08	—	—	—	—	—	0.02	—	0.01
<b>12. Circulatory System—</b>											
Organic Heart Disease—											
Congenital ...	9	6	4	3	3	3	2	—	18	12	30
Percentage ...	0.32	0.22	0.17	0.13	0.13	0.13	0.95	—	0.24	0.16	0.20
Acquired ...	1	4	6	3	3	6	—	1	10	14	24
Percentage ...	0.03	0.15	0.26	0.13	0.13	0.26	—	0.46	0.13	0.19	0.16
Functional Conditions ...	17	12	14	9	11	6	1	—	43	27	70
Percentage ...	0.62	0.45	0.61	0.39	0.50	0.26	0.47	—	0.57	0.36	0.47



TABLE II.—Continued.

School Medical Service—Systematic Examinations.—Continued.

Nature of Defect.	Entrants.		1940		1936		1933		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
13. Lungs—											
Chronic Bronchitis	15	8	17	9	7	6	—	—	39	23	62
Percentage	0.54	0.30	0.75	0.39	0.32	0.26	—	—	0.52	0.31	0.41
Suspected Tuberculosis	2	1	1	2	1	5	—	—	4	8	12
Percentage	0.07	0.03	0.04	0.08	0.04	0.22	—	—	0.05	0.10	0.08
Other Diseases	28	23	12	8	15	3	1	—	56	34	90
Percentage	1.04	0.87	0.53	0.35	0.68	0.13	0.47	—	0.75	0.46	0.60
14. Deformities—											
Congenital	32	8	2	9	5	8	—	—	39	25	64
Percentage	1.15	0.30	0.08	0.39	0.22	0.35	—	—	0.52	0.33	0.43
Acquired (Infantile Paralysis)	5	2	7	—	2	2	1	—	15	4	19
Percentage	0.18	0.07	0.30	—	0.09	0.08	0.47	—	0.20	0.05	0.13
Acquired (probable Rickets)	15	3	3	1	1	1	—	—	19	5	24
Percentage	0.54	0.11	0.13	0.04	0.04	0.04	—	—	0.25	0.06	0.16
Acquired (Other Causes)	13	4	11	6	26	24	1	7	51	41	92
Percentage	0.46	0.15	0.48	0.26	1.19	1.06	0.47	3.28	0.68	0.55	0.62
15. Infectious Disease	1	1	—	2	—	—	—	—	3	1	4
Percentage	0.03	0.03	—	0.08	—	—	—	—	0.04	0.01	0.02
16. Other Diseases or Defects	75	57	34	38	24	39	—	3	133	137	270
Percentage	2.70	2.15	1.50	1.68	1.10	1.72	—	1.40	1.79	1.86	1.82







TABLE III.—School Medical Service—Summary of Systematic Examinations—Continued.

Number Examined ...	Entrants.		1940		1936		1933		Total.	
	No. of Children.	% of the Children examined in this Group.	No. of Children.	% of the Children examined in this Group.	No. of Children.	% of the Children examined in this Group.	No. of Children.	% of the Children examined in this Group.	No. of Children.	% of the Children examined in this Group.
4. Children suffering from (or suspected to be suffering from) defect less remediable than defects specified in 2 or 3 distinguishing cases—										
(a) Where complete cure or restoration of function (in the case of eye defect full correction) is considered possible ...	546	10.09	461	10.20	405	9.12	26	6.15	1438	9.72
(b) Where improvement only is considered possible, e.g., without complete restoration of function ...	97	1.80	135	2.99	152	3.42	7	1.65	391	2.64
Total ...	643	11.89	596	13.19	557	12.54	33	7.80	1829	12.36
Total Number of Children Examined ...	5411	100.00	4518	100.00	4440	100.00	423	100.00	14,792	100.00



TABLE IV.  
SCHOOL MEDICAL SERVICE—RETURN OF ALL EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THE AREA.

Disability.					At Ordinary School.	At Special School or Classes.	At No School or Institution.	Total.
1. Blind	...	...	...	...	1	5	1	7
2. Partially Sighted—								
(a) Refraction errors in which the curriculum of an ordinary school would adversely affect the Eye Condition	...	...	...	...	4	1	—	5
(b) Other conditions of the Eye, <i>e.g.</i> , Cataract, Ulceration, etc., which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school	...	...	...	...	52	—	—	52
3. Deaf—								
Grade I.	...	...	...	...	498	—	—	498
Grade II. (a)	...	...	...	...	335	—	—	335
Grade II. (b)	...	...	...	...	42	—	—	42
Grade III.	...	...	...	...	1	45	5	51
4. Defective Speech—								
(a) Defects of Articulation requiring Special Educational Measures	...	...	...	...	141	2	—	143
(b) Stammering requiring Special Educational Measures	...	...	...	...	58	2	—	60



**School Medical Service—Return of all Exceptional Children of School Age in the Area—Continued.**

<i>Disability.</i>				<i>At Ordinary School.</i>	<i>At Special School or Classes.</i>	<i>At No School or Institution.</i>	<i>Total.</i>
<b>5. Mentally Defective (Children between 5 and 16 Years)—</b>							
(a)	Educable (I.Q., approx. 50-70)	...	...	...	...	4	235
(b)	Ineducable (I.Q., generally less than 50)	...	...	...	2	10	14
<b>6. Epilepsy—</b>							
(a)	Mild and Occasional	...	...	...	2	—	19
(b)	Severe (suitable for care in a Residential School)	...	...	...	3	1	6
<b>7. Physically Defective (Children between 5 and 16 Years)—</b>							
(a)	Non-Pulmonary Tuberculosis (excluding Cervical Glands)	...	...	...	8	—	14
(b)	General Orthopaedic Conditions	...	...	...	30	20	435
(c)	Organic Heart Disease	...	...	...	6	1	92
(d)	Other Causes of Ill Health	...	...	...	35	2	48
<b>8. Multiple Defects*</b>	...	...	...	...	2	—	8

\*The Nature of the Multiple Defects in each of the 8 Cases is as follows:—

- (1) 4 (a) and 7 (b)
- (2) 5 (a) and 6 (b)
- (3) 7 (c) and 7 (d)
- (4) 7 (a) and 7 (b)
- (5) 5 (a) and 4 (b)
- (6) 5 (a) and 7 (c)
- (7) 2 (a) and 7 (b)
- (8) 7 (b), 7 (c), 4 (a) and 5 (a)



