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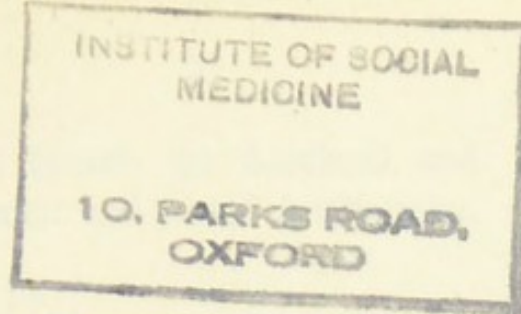
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COUNTY OF AYR.



ANNUAL REPORT

BY


THE MEDICAL OFFICER OF HEALTH

For the Year 1947

AND

THE SCHOOL MEDICAL OFFICER

For the Year 1947-48.



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

LADIES AND 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 and Sanitary condition of the County for the year 1947.

The vital statistics on the whole were favourable. The birth rate was 21·8 per thousand of the population, higher than it has ever been since the statistics of the County Landward and Small Burghs were combined in 1930. The infant mortality rate was 44, the second lowest recorded, the lowest being 41 in 1946. The maternal mortality rate was 3·9, as compared with 1·1 for the previous year. This increase was due to a succession of unfortunate cases in the first half of the year. There were no deaths from puerperal fever.

The notifications of diphtheria again showed a substantial reduction, being 59 as compared with 190 in 1946. The corrected figures after re-diagnosis in hospital were 40 in 1947 and 141 in 1946. The type of disease was more severe than for some years previously, there being five deaths all in non-immunised children.

The cases of cerebro-spinal meningitis confirmed in hospital numbered 37, as compared with 24 in the previous year. Nine cases proved fatal.

There occurred during the summer and autumn an outbreak of infantile paralysis, 109 cases being notified, of whom 87 were confirmed in hospital as cases of infantile paralysis. Of these three terminated fatally. This is the largest outbreak which has been recorded and was part of an outbreak which affected the whole country.

The deaths from tuberculosis were 0·52 per thousand of the population, as compared with 0·58 in the previous year. The new cases coming to notice totalled 266, of whom 224 were cases of pulmonary disease. It would appear that the position with regard to tuberculosis is now improving after the war. In 1945, 303 new cases of pulmonary tuberculosis came under notice.

I have the honour to be,

Your obedient Servant,

C. A. BIGNOLD,

Medical Officer of Health.

COUNTY BUILDINGS,

AYR, DECEMBER, 1948.

To the President of the United States
and the Congress of the United States

I have the honor to acknowledge the receipt of your letter of the 10th inst.

in relation to the proposed amendment to the Constitution of the United States, which provides for the election of the President and Vice President by the electors of the several States.

The proposed amendment is a most important one, and one which will have a profound effect upon the Government of the United States. It is a measure which will tend to strengthen the Executive branch of the Government, and to make it more efficient and more responsible to the people. It is a measure which will tend to make the President and Vice President more accessible to the people, and more responsible to the people. It is a measure which will tend to make the President and Vice President more accessible to the people, and more responsible to the people.

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I have the honor to be, Sir, your obedient servant.

Very respectfully,
John Adams

John Adams

John Adams

John Adams

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County Medical Officer's Report.

1947.

1.—VITAL STATISTICS.

Population and Area.—The Registrar General has estimated the population of the Landward Area and Small Burghs as 235,964, or 10,381 more than in 1946.

Births.—The live births registered after correction for transfers were 5,155, equivalent to a birth-rate of 21·8, as compared with 19·9 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

The number of still-births registered after correction for transfers during the year 1947 was 193, giving a rate of 36 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

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

Deaths.—The deaths registered after correction for transfers were 2,812, which is equivalent to a death-rate of 11·9, as compared with 11·4 in 1946. 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

Table I. shows 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 225, equivalent to an infantile mortality rate of 44, as compared with 41 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

Deaths from Infectious Diseases.—The deaths which occurred from the ordinary infectious diseases were 5 from diphtheria, 9 from cerebro-spinal fever, 3 from measles and 10 from whooping cough.

Deaths from Tuberculous Diseases.—The deaths from pulmonary and other forms of tuberculosis were 92 and 31 respectively, giving a death-rate of ·39 and ·13. The corresponding figures for the previous year were deaths 91 and 39, and death-rates ·41 and ·17.

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

			<i>Pulmonary 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

Deaths from Diseases of the Respiratory System.—There were 121 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 ·51, as compared with ·59 for the previous year.

Deaths from Pneumonia.—There were 83 deaths from pneumonia, equivalent to a death-rate of ·35. During the previous year the deaths were 82, equal to a death-rate of ·36. The following are the average death-rates from pneumonia since 1931 :—

1931-35	...	...	·67	1946...	...	...	·36
1936-40	...	...	·63	1947...	...	...	·35
1941-45	...	...	·46				

Deaths from Influenza.—The deaths due to influenza numbered 18, giving a death-rate of ·08. During 1946 the deaths were 36 and the death-rate ·16. The following are the death-rates from influenza since 1930 :—

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

Deaths from Cancer.—The deaths from cancer were 371, which is equivalent to a death-rate of 1·57, as compared with 1·55 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				

Deaths from Diseases of the Nervous System.—This group of diseases, which includes such causes as cerebral haemorrhage, apoplexy, etc., accounted for 432 of the deaths occurring in the area, being a death-rate of 1.83, as against 1.82 in the preceding year.

Deaths from Diseases of the Digestive System.—The deaths were 109, equivalent to a death-rate of .46, as compared with .52 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 959, giving a death-rate of 4.06, as compared with 3.41 in the previous year.

Deaths from Diseases and Accidents of Pregnancy and Parturition.—The maternal mortality rate in 1947 was 3.9 per thousand live births, which compares with 2.1 for Scotland as a whole during that year. The maternal mortality rates for the County during the period 1930 to 1947 were as follow :—

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

2.—INFECTIOUS DISEASES.

Smallpox and Vaccination.—No case of smallpox occurred during the year. The returns furnished by local Registrars of exemptions from vaccination on account of "conscientious objection" in terms of the Vaccination (Scotland) Act, 1907, affected 1,840 or 37.7 per cent. of the births registered.

Diphtheria (including Membranous Croup).—During the year 59 cases were notified, as compared with 190 during the previous year. Of the 59 notifications 40 (67·8 per cent.) were confirmed as cases of diphtheria, compared with 141 (74·2 per cent.) of the 190 notifications in 1946. There were five fatal cases during the year (in non-immunised children), giving a case fatality of 12·5 per cent., as compared with one death and a case fatality of 0·7 per cent. in 1946.

Under the diphtheria immunisation scheme there were 1,608 new immunisations of school children and 2,413 of pre-school children. 5,672 school children and 7 pre-school children received maintenance inoculations during the year.

Erysipelas.—The number of confirmed cases was 67. There were no deaths during the year.

Scarlet Fever.—There were 291 confirmed cases of scarlet fever, compared with 258 in the previous year. There were no deaths during the year.

Enteric Fever.—1 case of typhoid and 1 case of paratyphoid were confirmed during the year, with no deaths.

Dysentery.—20 cases of dysentery were confirmed during the year. There were no deaths.

Typhus Fever.—No case was reported.

Puerperal Fever and Puerperal Pyrexia.—There were confirmed 8 cases of puerperal fever and 11 of puerperal pyrexia. There were no deaths.

Ophthalmia Neonatorum.—There were 6 cases notified (all by doctors) during the year. All were treated in residential institutions and in no case was there appreciable loss of vision.

Cerebro-Spinal Fever.—37 cases were confirmed, 9 proving fatal.

Acute Primary and Influenzal Pneumonia.—The numbers of confirmed cases were 357 of the former and 12 of the latter.

Acute Infective Jaundice.—No case of this disease was reported.

Encephalitis Lethargica.—No case was reported.

Infantile Paralysis.—There were notified 109 cases, of which 87 were confirmed as cases of infantile paralysis, 3 of which died.

The first case occurred in the week ending 31st May. The following statement show the occurrence of cases after that date, the last being during the week ending 22nd November :—

1947.						Cases.
Week ending	May	31	...	...	...	1
	June	7	...	...	...	—
	"	14	...	...	...	—
	"	21	...	...	...	—
	"	28	...	...	...	1
	July	5	...	...	...	3
	"	12	...	...	...	2
	"	19	...	...	...	2
	"	26	...	...	...	1
	Aug.	2	...	...	...	4
	"	9	...	...	...	11
	"	16	...	...	...	8
	"	23	...	...	...	7
	"	30	...	...	...	10
	Sept.	6	...	...	...	4
	"	13	...	...	...	10
	"	20	...	...	...	5
	"	27	...	...	...	5
	Oct.	4	...	...	...	2
	"	11	...	...	...	—
	"	18	...	...	...	3
	"	25	...	...	...	2
	Nov.	1	...	...	...	—
	"	8	...	...	...	2
	"	15	...	...	...	3
	"	22	...	...	...	1

The following statement shows the ages and incidence of the cases :—

						Cases.
Under 1	...	...	...	...	...	5
1 and under 5	...	...	...	...	...	32
5 and under 15	...	...	...	...	...	34
15 and under 25	...	...	...	...	...	9
25 and under 45	...	...	...	...	...	6
45 and under 65	...	...	...	...	...	1
						—
All ages	..	...	...	...	...	87
						—

All classes of the community were affected and cases occurred in towns and in isolated farm houses.

The following shows the classification of the cases according to the part affected :—

- 29—No paresis.
 - 1—Paresis of right ankle.
 - 8—Paresis of right leg.
 - 11—Paresis of left leg.
 - 11—Paresis of both legs.
 - 1—Paresis of both arms.
 - 2—Paresis of legs and arms.
 - 2—Paresis of legs and trunk.
 - 1—Paresis of legs, arms and trunk.
 - 1—Paresis of left arm, right leg and respiratory muscles (pregnant woman).
 - 1—Paresis of arms, right shoulder and speech.
 - 1—Paresis of legs, bladder and rectum (severe).
 - 1—Paresis of right deltoid, biceps and triceps.
 - 2—Paresis of right arm, legs, trunk and bladder (severe).
 - 1—Paresis of legs, deltoids and trunk muscles (severe).
 - 1—Abdominal muscles.
 - 1—Slight facial and palatal paralysis, paresis of right leg and cerebral symptoms.
 - 2—Facial paresis.
 - 1—Left facial, left arm.
 - 4—Bulbar type.
 - 1—Bulbar type with speech defects.
 - 1—Deltoids and sterno-mastoids (severe).
 - 1—Multiple cranial and left leg.
 - 1—Right sterno-mastoid.
 - 1—Sterno-mastoids.

87

Two of the cases who died were of bulbar type and the third was a woman late in pregnancy who had paresis of left arm, right leg and respiratory muscles. Just before her death a live healthy infant was delivered by Caesarean section.

In the first instance the great majority of the cases were admitted to the Central Hospital and from there 34 cases were transferred for orthopaedic treatment to Philipshill Hospital, Busby, 2 to Hairmyres Hospital, East Kilbride, and 1 to Mearns Kirk Hospital. Later treatment has been carried on in the wards of Philipshill Hospital and, in the case of children, in the wards of Seafeld Hospital along with the associated out-patient clinics.

School Closure.—No schools or classes were closed on account of infectious disease.

Table V. shows the distribution of confirmed cases, Table VI. shows infectious diseases coming under notice every month of the year, and Table VII. shows the Fever Hospitals available and the cases treated in them. Table X. shows a summary of the cases dealt with in the Infectious Disease Section of the Ayrshire Central Hospital, differentiating between the diagnosis under which the cases were sent to hospital and diagnosis made in hospital and under which they were dismissed.

3.—TUBERCULOSIS.

There were notified 284 cases as pulmonary tuberculosis and 49 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 224 of pulmonary tuberculosis and 42 of non-pulmonary tuberculosis.

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

Pulmonary Tuberculosis.—Of the 224 new cases of pulmonary tuberculosis, 105 were males and 119 females. 74·5 per cent. (167) of these cases received institutional treatment during the year at the instance of the Tuberculosis Officer. 23 cases, notified in 1947, died during the year.

Including cases notified in previous years, 230 patients were admitted to Hospitals and Homes during 1947 as follow :—

Ayrshire Central Hospital and Glenafton Sanatorium	222
St. Andrew's Home, Millport	3
Heathfield Hospital	4
Law Hospital	1
	<hr/>
	230
	<hr/>

Twenty-three of the patients admitted to Ayrshire Central Hospital were transferred to Hairmyres Hospital.

Of the total deaths, 27 (29·3 per cent.) occurred in institutions.

Non-Pulmonary Tuberculosis.—The 42 new cases of non-pulmonary tuberculosis are classified as follow according to the localisation of the disease :—

	<i>No. of Cases</i>
Superficial Lymphatic Glands	5
Abdomen	5
Bones and Joints (excluding Spine)	7
Spine	8
Skin and Subcutaneous Tissue	0
Meninges	14
Genito-Urinary Organs	3

Of the 42 new cases, 33 or 78·6 per cent. received institutional treatment at the instance of the Tuberculosis Officer. Sixteen of the cases died during the year.

Including cases notified in previous years, 53 patients were admitted to Hospitals and Homes during 1947 as follow :—

Ayrshire Central Hospital and Glenafton Sanatorium	14
St. Andrew's Home, Millport	19
Stonehouse Hospital	3
Heathfield Hospital	2
Ballochmyle Hospital	7
Phillipshill Hospital	1
Robroyston Hospital	5
Clark Convalescent Home	1
Yorkhill Hospital	1
	—
	53
	==

Of the total deaths, 54·8 per cent. (17) occurred in institutions.

Summary of Work Done in Chest Wards, Ayrshire Central Hospital and Glenafton Sanatorium during 1947.

The following is a 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 165—63 females and 30 males at Ayrshire Central Hospital and 35 females and 37 males at Glenafton Sanatorium. During the year all available beds have been in use. As a result the waiting list of cases for hospital treatment has never at any time assumed alarming proportions.

As long as a waiting list exists it seems reasonable to adopt a priority selection of cases in the County. This has been the practice, made easy, of course, by the fact that the Chest Physician has also been allowed to classify the majority of the cases at time of diagnosis. By this arrangement the "early treatable" case can be admitted to hospital within a month of discovery and often earlier.

	<i>Central Hospital.</i>	<i>Glenafton Sanatorium.</i>
Admissions and Discharges for 1947—		
Number of beds	93	72
Number of patients under treatment at 1st January, 1947	93	68
Total number of admissions during the year	212	24
Number of patients transferred from Central Hospital to Glenafton ...	—	91
Number of patients transferred from Glenafton to Central Hospital ...	7	—
Number of patients discharged home during the year	81	114
Number of irregular discharges ...	3	—
Number of deaths	16	1

Active Treatment—In-Patients.—

Artificial Pneumothorax Inductions...	38	4
Artificial Pneumothorax Refills ...	623	586
Thoracoscopy and Adhesion Section...	46	—
Phrenic Operations	104	12
Pneumoperitoneum Inductions ...	73	8
Pneumoperitoneum Refills	919	563
Thoracoplasty—Stage 1		18
Stage 2		17
Stage 3		1
Revision Thoracoplasty		2
Lobectomy	Nil	Nil
Empyema Drainage followed by Radical Closure	2	2

Other Investigations, etc.—

Blood Sedimentation Rate	1142	1284
Gold Injections	—	—
Laryngeal Swabs	229	106
X-Ray Films taken	2538	1028
Screenings	—	1512
Bronchoscopy	16	—
Bronchography	20	—

Results of Treatment.—*Condition on Discharge from Hospital—*

					<i>Central Hospital.</i>	<i>Glenafton Sanatorium</i>
Quiescent	...	...	...	...	27	88
Improved	...	...	...	...	22	19
Stationery	...	...	...	...	15	1
Worse	...	...	...	...	9	4
Died	...	...	...	...	16	1
Non-Tuberculous	...	...	...	...	8	2

From the above it will be noted that 57.5 per cent. of the adult cases were considered Quiescent on discharge.

The value of Laryngeal Swabs in the assessment of a case cannot be stressed too strongly.

Children's Wards, Glenafton.—

Number of beds available	...	...	...	...	28
Number in residence at 1st January, 1947	...	...	...	...	22
Number admitted during year	...	...	...	...	49
Number discharged during year	...	...	...	...	49

RESULTS ON DISCHARGE—

Transferred to Millport	...	...	...	...	1
Number well, that is Primary Lesion healed	...	...	...	...	38
Died	...	...	...	...	0
Transferred to Central Hospital	...	...	...	...	4
Non-Tuberculous	...	...	...	...	6
Discharges	...	...	...	...	49

Out-Patient Treatment.—

			<i>Central Hospital.</i>	<i>Glenafton Sanatorium.</i>
Artificial Pneumothorax Refills	...	...	1488	112
Pneumoperitoneum Refills	...	...	576	151
Consultations at Chest Clinic (excluding refill cases)	...	...	1019	129

The work of the out-patient department has shown a definite increase during the year, particularly in the number of cases being referred by General Practitioners for a chest opinion. As a result, quite a few cases are being picked up when the disease is at a relatively early stage. Since treatment can be commenced with very little delay, it is reasonable to expect more valuable results in most cases.

The lack of an adequate Health Visitor service has made it impossible to accomplish a satisfactory proportion of contact examinations. It is hoped that this deficiency will be remedied in the near future, but for a time it seems likely that the lack of adequate transport for each Health Visitor will be a drawback.

4.—MATERNITY AND CHILD WELFARE.

Statistics relating to Maternity and Child Welfare Services in accordance with the form prescribed by the Department of Health for Scotland :—

1. Births.

(a) (i) Total number of births occurring in the area during year—			
Live-births	...	...	4882
Still-births	...	...	185
			5067
(ii) Total number notified to Medical Officer of Health			
...	...	...	4886
(b) Number of births in (a) (ii) classified according to nature of attendance at confinement—			
(i) Maternity Services Scheme cases confined at home—			
(a) With Doctor	...	...	446
(b) Without Doctor	...	...	1365
(ii) Other Domiciliary cases—			
(a) With Doctor	...	...	250
(b) With Midwife alone (no Doctor booked)	...	...	38
(c) Conducted by outdoor staff of institution	...	...	1
(d) Without Doctor or Midwife			1
(iii) Institutional cases (including those in Private Maternity and Nursing Homes)			
			2785

2. Home Visitation during year.

		No. Visited for First Time.	Total Visits.
Expectant Mothers *	...	Nil	Nil
Infants	...	5095	35,339
Children (1-5 years)	...	4192	34,261

* These visits should *not* include visits paid by a Midwife who is to attend the confinement as a Midwife or as a Maternity Nurse.

3. Ante-Natal and Post-Natal Clinics (whether provided at Child Welfare Centres or at other premises, *e.g.*, Hospitals)—

	<i>Ante-Natal.</i>	<i>Post-Natal.</i>
(i) No. of Clinics at end of year provided by Local Authority	9	9
(ii) No. of Clinics at end of year provided by Voluntary Bodies	Nil	Nil
(iii) Total No. of Women who attended at the Clinics during year... ..	687	184
(iv) Total No. of Attendances during year	8484	

4. Child Welfare Clinics.

(a) No. of Clinics at end of year provided by the Local Authority	33
(b) No. of Clinics at end of year provided by Voluntary Bodies	Nil
(c) No. of Children attending during year—	
(i) Under 1 year of age	3,881
(ii) 1 year of age and over	1,359
(d) Total No. of Attendances during year—	
(i) Under 1 year of age	30,182
(ii) 1 year of age and over	6,992

5. Special Treatment Centres.

There are no Special Treatment Centres for Teeth, Eyes, etc., in the area.

6. Mother and Baby Homes.

Name and Address of Home or Hostel. (1)	Number of Beds					Average Length of Stay.	
	Ante- Natal (2)	Post- Natal (3)	Total Ante and Post- Natal (4)	Maternity (excluding Labour and Isolation) (5)	Cots (6)	Ante- Natal	Post- Natal*
						(7)	(8)
(a) Provided by the Local Authority, Drumley House, Annbank	10	6	16	—	6	18 days	
(b) Provided by Voluntary Associations	—	—	—	—	—	—	—

* Exclusive of Lying-in Period.

(c) Total number of Women admitted during the Year to Homes and Hostels shown in (a) and (b) (ignoring re-admissions after confinement).—199.

7. Residential Nurseries and Children's Homes.

Name and Address of Nursery or Home.	Whether Long Stay or Short Stay.	Number of Beds provided at the end of year.		
		Aged 0-2	Aged 2-5	Others.
(a) Residential Nursery, Irvine	Long Stay.	24	24	Nil
Hazeldene Children's Home, Kilwinning	Short Stay.	6	12	16
(b) Maintained by Voluntary Associations.	—	—	—	—

8. Home and Domestic Helps.

A Home Helps Scheme was instituted in Ardrossan and Saltcoats area on 16th September, 1947. Under this Scheme, home helps are provided in circumstances of household difficulty due to illness or confinement.

During the period from 16th September, 1947, until the end of the year, 7 applications for the services of a home help were received and granted.

9. Report under Midwives (Scotland) Act, 1915.

The Midwives who have up to 31st January, 1948, given notice under Section 16 of the Act of their intention to practise in the Landward Area and Small Burghs number 7. This does not include 69 District Nurses.

The total number of deaths of new-born children (within 14 days) was 107.

There were 8 cases notified as puerperal fever, of which none proved fatal, and 11 notified as puerperal pyrexia.

The cases of emergency in which Medical Practitioners were called in under Section 22 of the Midwives Act numbered 3. These were :—

As regards the Mother (3 cases)—

- 1 case delayed labour.
- 1 case malpresentation.
- 1 case haemorrhage.

5.—VENEREAL DISEASES.

The three Venereal Diseases Clinics in the County are provided under a joint scheme which includes the County and the two Large Burghs.

At the Centre at Heathfield Hospital, Ayr, during the year there were treated 163 new cases of venereal disease—67 of syphilis and 94 of gonorrhoea. The total attendances at the out-patient clinic, including those of old cases carried on from the previous year, were 3,995. There were administered during the twelve months 1,792 doses of salvarsan substitutes. The total in-patients were 41—33 for syphilis and 8 for gonorrhoea.

At the Centre at the Cuninghame Home at Irvine 34 new cases were treated (15 for syphilis and 19 for gonorrhoea). The total attendances at the out-patient clinic, including those of old cases, were 795. There were administered during the twelve months 265 doses of salvarsan substitutes. Also 9 cases were treated as in-patients (6 for syphilis and 3 for gonorrhoea).

At the Centre at Kilmarnock there were treated as out-patients 115 new cases (55 for syphilis and 60 for gonorrhoea). There were administered 575 doses of salvarsan substitutes. The total attendances, including those of old cases, were 2,544—1,932 for syphilis and 612 for gonorrhoea. Also 35 cases of syphilis and 4 cases of gonorrhoea were treated as in-patients.

6.—COUNTY LABORATORY.

This Laboratory still formed part of the Emergency Bacteriological Service. The examinations carried out during the year totalled 34,113, the classification is given in Table XI. The following shows the authorities responsible for sending the specimens :—

Ayr County	...	...	...	...	...	...	26,849
Ayr Burgh	...	...	...	...	...	...	3,071
Kilmarnock Burgh	...	...	...	...	...	...	2,563
Emergency Hospital	...	...	...	...	...	...	1,468
Royal Navy	...	...	...	...	...	...	2
Army	...	...	...	...	...	...	129
Ministry of Agriculture	...	...	...	...	...	...	31

7.—DIABETES.

Under this scheme Insulin was provided free of charge or on payment of cost in accordance with the circumstances of the patient. During the year 62 cases received Insulin under the scheme.

8.—SICK POOR.

The scheme for domiciliary treatment for sick poor consisted of an annual capitation fee payable quarterly according to the number on the doctor's panel at quarterly periods. There was a free choice of doctor. In addition a small annual sum was paid to certain nominated doctors in respect of certificates required in the case of casuals, etc.

Chronic sick were treated either in the Cuninghame Home or the Kyle Home. Ordinary sick requiring hospital treatment were sent to Ballochmyle Hospital or to the various voluntary hospitals in Glasgow, to which the County Council paid annual subscriptions.

9.—HOSPITALS.

The hospitals were the same as in the previous year. Cases of infectious disease were treated either in the Central Hospital, Irvine, or Cumnock Fever Hospital (scarlet fever only), or in the Infectious Disease Hospitals of the two Large Burghs. The Maternity Hospital, in addition to receiving cases from the County, also received cases from the Burgh of Ayr. Buckreddan Maternity Home was utilised in the past for booked cases who were likely to be capable of being confined by Midwives. Children's diseases were treated in Seafeld Hospital, Ayr.

The only development during the year was at Seafeld Hospital, where the number of beds was increased to 100, along with the appointment of a Resident Medical Officer. In the month of October the Hospital was approved by the General Nursing Council as a Training School for the Sick Children's part of the State Register.

10.—REGISTRATION OF NURSING HOMES.

There were 5 Nursing Homes in the County, of which 4 received maternity cases only. No Nursing Home was added to the Register during the year.

11.—AMBULANCE FACILITIES.

There were 6 Ambulances attached to the Ayrshire Central Hospital, of which 3 were reserved for infectious cases and 3 for maternity cases. For the removal of children to Seafeld Hospital the services of Voluntary Ambulance Associations were utilised.

12.—PORT HEALTH ADMINISTRATION.

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

At Prestwick Airport the work of Port Medical Officer was carried out as in the previous year and, in addition, the work of Medical Officer for Aliens. During 1947, 2,247 civil aircraft arrived at Prestwick, 16,479 passengers were disembarked and 22,633 passengers landed in transit to other places. The details are as follow :—

<i>Aircraft from</i>	<i>Nos.</i>	<i>Passengers. Disembarking.</i>	<i>Passengers in Transit.</i>
Montreal	572	7,062	298
New York	591	3,052	8,632
Amsterdam	276	1,645	5,893
Paris	123	927	50
Stockholm	265	740	5,277
Reykjavik	106	1,187	408
Copenhagen	87	238	1,123
Lisbon	2	18	—
Dublin	5	43	—
Shannon... ..	3	9	5
Rome	3	8	—
Brussels	50	263	82
Cairo	3	39	—
Oslo	98	966	298
Stavanger	3	13	—
Lille	1	—	—
Meeks (Iceland)	1	—	—
Milan	1	—	—
Curacao	9	19	283
Le Zoube	1	1	—
South Africa	1	17	—
Keflavik... ..	2	4	—
The Hague	1	30	—
Morlaix	3	63	—
Knocke le Zoute	1	7	—
Wiesbaden	3	7	—
Kristiansand	1	20	—
Karachi	5	32	—
Gander	5	—	—
Orly	1	—	—
Calcutta	1	—	—
Athens	2	7	—
Argentia (Newfoundland)	2	—	1
Jersey	1	—	—
Frankfurt	6	45	139
Kaufbeuren	1	—	—
Stephenville	1	—	6
Berlin	5	12	116
<i>Carry forward ...</i>	<i>2242</i>	<i>16,474</i>	<i>22,611</i>

<i>Aircraft from</i>	<i>Nos.</i>	<i>Passengers Disembarking.</i>	<i>Passengers in Transit.</i>
<i>Brought forward ...</i>	2242	16,474	22,611
Vaagos (Faeroes) ...	1	2	—
Philadelphia ...	1	1	22
El Adam ...	1	—	—
Petersborough ...	1	—	—
Munich ...	1	2	—
	<hr/> 2,247 <hr/>	<hr/> 16,479 <hr/>	<hr/> 22,633 <hr/>

13.—HEALTH EDUCATION.

No special steps were taken beyond the exhibition of posters and the distribution of leaflets at Child Welfare Centres.

14.—CANCER.

There was no special scheme in force for the treatment of Cancer.

15.—MENTAL HEALTH SERVICE.

There was no special scheme in force.

16.—FOOD SUPPLY.

The administration of the various Acts, Orders and Bye-Laws in connection with the production and distribution of milk is dealt with fully in the report of the County Sanitary Inspector. No outbreaks of disease were associated with any milk supply.

The administration of the various Statutory Provisions and Regulations with regard to unsound meat and other food stuffs and the adulteration of food and drugs is dealt with fully in the Report of the County Sanitary Inspector.

No outbreak of disease associated with food poisoning occurred during the year.

17.—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, 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 Subjoined Ages.					Mortality from Subjoined Causes.																				
					At all Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 Years and upwards.	Diphtheria.	Scarlet Fever.	Enteric and 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 Puer- peral Causes.	Diarrhoea.	Other Digestive Diseases.	Pulmonary.	Non- Pulmonary.									
County—	133,920	707,330	2850	113	1452	131	31	22	1268	5	...	...	...	3	2	6	...	13	44	44	18	52	76	9	195	215	463	57	218	19
Landward.....						13	...	1	80	...	1	...	1	...	1	...	1	...	10	44	18	52	76	9	195	215	463	57	218	19
Burghs—						6	2	...	42	...	...	...	...	...	...	...	...	...	1	44	18	52	76	9	195	215	463	57	218	19
Ardrossan.....	8,675	730	206	8	94	13	...	1	80	...	1	...	1	...	1	...	1	...	10	44	18	52	76	9	195	215	463	57	218	19
Cumnock.....	4,498	259	128	6	50	6	2	...	42	...	...	...	...	...	...	...	...	...	1	44	18	52	76	9	195	215	463	57	218	19
Darvel.....	3,383	453	40	7	41	3	1	...	37	...	...	...	...	...	...	...	...	...	2	44	18	52	76	9	195	215	463	57	218	19
Galston.....	4,727	191	103	2	62	2	2	...	58	...	...	...	...	...	...	...	...	...	3	44	18	52	76	9	195	215	463	57	218	19
Girvan.....	6,261	487	130	5	98	1	1	1	95	...	...	...	...	...	...	...	...	...	5	44	18	52	76	9	195	215	463	57	218	19
Irvine.....	14,626	1,783	349	9	144	13	2	4	125	...	...	...	...	...	...	...	...	...	2	44	18	52	76	9	195	215	463	57	218	19
Kilwinning.....	6,247	440	177	4	63	4	1	1	57	...	...	...	...	...	...	...	...	...	2	44	18	52	76	9	195	215	463	57	218	19
Largs.....	7,341	610	131	8	176	6	1	1	168	...	...	...	...	...	...	...	...	...	3	44	18	52	76	9	195	215	463	57	218	19
Maybole.....	4,737	392	114	4	64	9	3	...	52	...	...	...	...	...	...	...	...	...	...	44	18	52	76	9	195	215	463	57	218	19
Newmilns.....	4,071	636	90	2	48	...	1	...	47	...	...	...	...	...	...	...	...	...	1	44	18	52	76	9	195	215	463	57	218	19
Prestwick.....	11,647	1,039	243	4	180	9	4	1	166	...	...	...	...	...	...	...	...	...	3	44	18	52	76	9	195	215	463	57	218	19
Saltcoats.....	12,714	464	322	11	146	18	1	1	126	...	...	...	...	...	...	...	...	...	7	44	18	52	76	9	195	215	463	57	218	19
Stewarton.....	2,846	381	66	1	44	2	...	...	42	...	...	...	...	...	...	...	...	...	1	44	18	52	76	9	195	215	463	57	218	19
Troon.....	10,271	2,995	206	9	150	8	1	1	140	...	...	...	...	...	...	...	...	...	7	44	18	52	76	9	195	215	463	57	218	19
County-Landward and Small Burghs	235,964	718,190	5155	193	2812	225	51	33	2503	5	...	...	...	9	3	10	...	20	88	92	31	83	121	18	371	432	959	101	409	39

TABLE II.

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

District.	Persons to the Acre.	Birth Rate.	Deaths under 1 Year of Age per 1,000 Births.	Death Rate per 1,000 from																		
				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.
				Diphtheria and Croup.	Scarlet Fever.	Enteric and Paratyphoid Fevers.	Cerebro-Spinal Fever.	Measles.	Whooping Cough.	Puerperal Causes.	Other Puerperal Causes.	Diarrhoea.	Other Digestive Diseases.	Pulmonary.	Non-Pulmonary.							
County—	0.19	21.2	46	10.842	0.037	—	—	0.022	0.015	0.045	—	0.097	0.329	0.329	0.134	0.388	0.567	0.067	1.456	1.605	3.457	0.42
Landward.....	11.88	23.7	63	10.836	—	—	—	0.115	—	0.115	—	—	—	1.153	0.115	0.346	0.115	0.115	1.153	1.498	3.343	0.34
Burghs—	17.37	28.5	47	11.116	—	—	—	0.222	—	—	—	—	0.667	0.222	0.222	0.222	0.445	—	1.779	2.001	2.668	0.22
Ardrossan.....	7.47	11.8	75	12.119	—	—	—	0.296	—	—	—	—	—	0.591	0.296	0.296	—	—	0.887	2.660	4.434	0.29
Cumnock.....	24.75	21.8	19	13.116	—	—	—	—	0.212	—	—	—	0.423	0.635	0.212	0.212	0.846	0.212	1.692	1.481	4.635	0.63
Darvel.....	12.86	20.8	8	15.652	—	—	—	—	—	—	—	—	—	0.479	0.799	—	0.159	0.958	1.757	3.354	5.272	0.79
Galston.....	8.20	23.9	37	9.845	—	—	—	—	—	—	—	—	0.137	0.137	0.137	0.479	0.342	1.094	1.777	3.282	0.47	
Girvan.....	14.20	28.3	23	10.085	—	—	0.137	—	—	—	—	—	0.160	0.480	0.160	0.320	0.640	1.601	1.601	3.202	0.16	
Irvine.....	12.03	17.8	46	23.975	—	—	—	—	—	—	—	—	0.817	0.409	0.272	0.272	0.681	2.452	5.040	8.718	1.09	
Kilwinning.....	12.08	24.1	79	13.511	—	—	—	—	—	0.422	—	—	0.422	—	0.211	0.633	1.056	0.422	2.111	0.844	4.011	0.42
Largs.....	6.40	22.1	—	11.791	—	—	—	—	—	—	—	—	0.737	0.246	—	—	0.491	0.246	1.474	3.169	3.439	0.24
Maybole.....	11.21	20.9	35	15.455	—	—	—	—	—	—	—	—	0.429	0.258	0.172	0.258	0.343	0.258	1.545	2.662	7.727	0.25
Newmilns.....	27.40	25.3	56	11.483	—	—	0.086	—	—	0.079	—	—	0.393	0.551	0.079	0.393	0.236	0.079	1.652	1.494	4.168	0.39
Prestwick.....	7.47	23.2	30	15.460	—	—	—	—	—	—	—	—	—	0.351	—	—	0.351	—	2.811	1.405	7.730	0.35
Saltcoats.....	3.43	20.1	39	14.604	—	—	—	—	—	—	—	—	0.487	0.681	—	0.194	0.292	—	2.823	1.363	5.355	0.29
Stewarton.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Troon.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
County-Landward and Small Burghs	0.33	21.8	44	11.917	0.021	—	0.038	0.013	0.042	—	0.085	0.373	0.389	0.131	0.352	0.513	0.076	1.572	1.831	4.064	0.42	

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.	1452	162	22	483	785	11·2	1·5	33·2	54·1
Burghs—									
Ardrossan.	94	13	1	38	42	13·8	1·1	40·4	44·7
Cumnock..	50	8	...	15	27	16·0	...	30·0	54·0
Darvel.....	41	4	...	10	27	9·8	...	24·4	65·8
Galston....	62	4	...	25	33	6·5	...	40·3	53·2
Girvan.....	98	2	1	30	65	2·0	1·0	30·6	66·4
Irvine.....	144	15	4	54	71	10·4	2·8	37·5	49·3
Kilwinning	63	5	1	22	35	7·9	1·6	34·9	55·6
Largs	176	7	1	48	120	4·0	0·6	27·3	68·1
Maybole...	64	12	...	12	40	18·8	...	18·8	62·4
Newmilns.	48	1	...	16	31	2·1	...	33·3	64·6
Prestwick.	180	13	1	50	116	7·2	0·6	27·8	64·4
Saltcoats..	146	19	1	42	84	13·0	0·7	28·7	57·6
Stewarton.	44	2	...	18	24	4·5	...	40·9	54·6
Troon.....	150	9	1	58	82	6·0	0·6	38·7	54·7
County— Landward and Small Burghs ...	2812	276	33	921	1582	9·8	1·2	32·7	56·3

TABLE IV.

Infantile Mortality.

						<i>Deaths.</i>	<i>Rate per 1,000 Births.</i>
(1) CLASSIFIED ACCORDING TO AGE GROUPS :—							
Under 1 Week	...	...	...	...	...	100	19.4
1 Week and under 4 Weeks	...	...	...	...	...	34	6.6
4 Weeks and under 3 Months	...	...	...	...	...	34	6.6
3 Months and under 6 Months	...	...	...	...	...	26	5.0
6 Months and under 12 Months	...	...	...	...	...	31	6.0
(2) CLASSIFIED ACCORDING TO CAUSES OF DEATH.							
Chickenpox	...	...	...	...	...	—	—
Measles	...	...	...	...	...	—	—
Scarlet Fever	...	...	...	...	...	—	—
Whooping Cough	...	...	...	...	...	4	0.78
Diphtheria and Croup	...	...	...	...	...	1	0.19
Erysipelas	...	...	...	...	...	—	—
Tuberculous Diseases	...	...	...	...	...	2	0.39
Meningitis (not Tuberculous)	...	...	...	...	...	5	0.97
Hydrocephalus	...	...	...	...	...	2	0.39
Convulsions	...	...	...	...	...	4	0.78
Pneumonia (all forms)	...	...	...	...	...	34	6.59
Bronchitis	...	...	...	...	...	8	1.55
Diarrhoea and Enteritis	...	...	...	...	...	14	2.72
Other Digestive Diseases	...	...	...	...	...	5	0.97
Congenital Malformations	...	...	...	...	...	15	2.91
Congenital Heart	...	...	...	...	...	5	0.97
Premature Birth	...	...	...	...	...	63	12.22
Atrophy, Debility and Marasmus	...	...	...	...	...	6	1.16
Atelectasis	...	...	...	...	...	15	2.91
Injury at Birth	...	...	...	...	...	12	2.33
Suffocation (Overlaying)	...	...	...	...	...	—	—
Syphilis	...	...	...	...	...	1	0.19
Violence	...	...	...	...	...	6	1.16
All other causes	...	...	...	...	...	23	4.46

TABLE V.

Infectious Diseases—Year 1947.

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.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Malaria.	Dysentery.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Acute Infective Jaundice.	Acute Poliomyelitis.	Acute Polio-encephalitis.	Encephalitis Lethargica.	Cerebro-Spinal Fever.
County—Landward.....	—	—	28	42	180	—	2	—	—	101	21	4	7	4	1	17	219	8	—	36	—	—	19
Burghs—																							
Ardrossan	—	—	1	2	11	—	—	—	—	11	3	—	1	—	—	—	25	—	—	2	—	—	1
Cumnock	—	—	—	—	15	—	—	—	—	7	—	—	—	—	—	1	10	—	—	4	—	—	2
Darvel	—	—	—	—	2	—	—	—	—	1	1	—	—	—	—	1	4	—	—	2	—	—	1
Galston	—	—	—	7	3	—	—	—	—	8	2	—	—	—	—	—	14	—	—	5	—	—	—
Girvan	—	—	—	1	4	—	—	—	—	6	2	—	3	—	—	—	4	1	—	1	—	—	—
Irvine	—	—	3	2	5	—	—	—	—	7	1	—	—	—	—	—	20	—	—	3	—	—	—
Kilwinning	—	—	5	—	7	—	—	—	—	7	3	—	—	—	—	—	3	—	—	4	—	—	—
Largs	—	—	2	1	6	—	—	—	—	12	2	—	—	—	—	—	7	—	—	6	—	—	—
Maybole	—	—	—	—	1	—	—	—	—	5	2	—	—	—	—	—	6	—	—	2	—	—	—
Newmilns	—	—	—	8	2	—	—	—	—	4	—	—	—	—	—	—	6	3	—	4	—	—	—
Prestwick	—	—	—	3	14	—	—	—	—	15	3	—	—	—	1	1	10	—	—	9	—	—	—
Saltcoats	—	—	1	—	32	—	—	—	—	27	1	—	—	—	—	—	27	—	—	5	—	—	—
Stewarton	—	—	—	—	2	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Troon	—	—	—	1	7	—	—	—	—	10	1	—	—	—	—	—	2	—	—	4	—	—	1
County—Landward and Small Burghs	—	—	40	67	291	—	*2	—	—	224	42	8	11	6	2	20	357	12	—	87	—	—	37

*1 case of Typhoid Fever and 1 case of Paratyphoid Fever.

TABLE VI.

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

<i>Diseases.</i>	<i>Jan.</i>	<i>Feb.</i>	<i>Mar.</i>	<i>April.</i>	<i>May.</i>	<i>June.</i>	<i>July.</i>	<i>Aug.</i>	<i>Sept.</i>	<i>Oct.</i>	<i>Nov.</i>	<i>Dec.</i>	<i>Total Cases Notified</i>	<i>Total Cases Confirmed</i>
Smallpox ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria and Membranous Croup ...	6	8	5	11	4	1	3	2	3	5	7	4	59	40
Erysipelas ...	11	7	9	7	3	7	8	3	5	2	3	8	73	67
Scarlet Fever ...	18	24	30	17	10	11	16	17	19	39	47	53	301	291
Typhus Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid, Paratyphoid and Continued Fevers ...	—	—	1	—	—	2	1	2	—	1	—	—	7	2
Puerperal Fever ...	—	1	1	1	1	—	1	—	3	—	1	—	9	8
Puerperal Pyrexia ...	1	1	1	1	1	1	2	—	1	—	1	1	11	11
Cerebro-Spinal Fever ...	7	3	4	4	5	2	2	1	1	2	—	2	33	37
Poliomyelitis ...	—	—	—	—	1	2	10	50	34	6	6	—	109	87
Tuberculosis—Pulmonary ...	14	18	35	26	41	30	19	20	18	27	18	18	284	224
Non-Pulmonary ...	4	6	1	7	6	4	3	6	5	3	3	1	49	42
TOTAL ...	61	68	87	74	72	60	65	101	89	85	86	87	935	809

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 Admitt.</i>
Ayrshire Central	—	40	21	165	87	2	19	32	366
Cumnock	—	—	—	105	—	—	—	—	105
Ayr (Heathfield)	—	—	2	8	—	—	—	3	13
Kilmarnock (Kirklandside)	—	—	—	2	—	—	—	1	3
Totals.....	—	40	23	280	87	2	19	36	487

Return of Cases of Infectious Diseases Confirmed during the year ended 31st December, 1947, by Ages.

Disease.	Number of Cases coming to the knowledge of the Medical Officer of Health, and accepted by him as suffering from the stated Disease.									
	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	Cases removed to Hospital.	Cases no removed to Hospital.
Cerebro-Spinal Fever ...	37	9	13	9	2	3	1	—	36	1
Chickenpox* ...	—	—	—	—	—	—	—	—	—	—
Cholera ...	—	—	—	—	—	—	—	—	—	—
Continued Fever (Undulant)	—	—	—	—	—	—	—	—	—	—
Diphtheria ...	40	1	11	22	3	3	—	—	40	—
Dysentery ...	20	1	12	4	—	2	1	—	19	1
Encephalitis Lethargica...	—	—	—	—	—	—	—	—	—	—
Erysipelas... ..	67	2	—	—	—	15	38	12	23	44
Jaundice, Acute Infective	—	—	—	—	—	—	—	—	—	—
Malaria	2	—	—	—	1	1	—	—	2	—
Measles*	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	6	6	—	—	—	—	—	—	6	—
Plague	—	—	—	—	—	—	—	—	—	—
Pneumonia, Acute Influenzal	12	—	—	—	—	2	9	1	10	2
Pneumonia, Acute Primary	357	52	81	50	21	59	70	24	259	98
Pneumonia (not notifiable)	—	—	—	—	—	—	—	—	—	—
Poliomyelitis, Acute ...	87	5	32	34	9	6	1	—	87	—
Puerperal Fever	8	—	—	—	—	8	—	—	8	—
Puerperal Pyrexia	11	—	—	—	5	6	—	—	10	1
Scarlet Fever	291	—	74	188	21	7	1	—	282	9
Smallpox	—	—	—	—	—	—	—	—	—	—
Tuberculosis—Pulmonary	224	—	4	16	98	—	—	—	—	—
Tuberculosis—Non-Pulmonary	42	3	5	17	12	4	19	2	167	57
Typhoid Fever	1	—	—	1	—	—	1	—	33	9
Paratyphoid "A"	—	—	—	—	—	—	—	—	1	—
Paratyphoid "B"	1	—	—	—	—	1	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—
Whooping Cough*	148	30	86	31	—	1	—	—	44	104
Total	1354	109	318	372	172	203	141	39	1028	326

* Not Notifiable.

TABLE IX.—TUBERCULOSIS STATISTICAL RETURNS, 1947.

1.—Return of Cases of Tuberculosis Notified during the year ended 31st December, 1947.

Number of Cases Notified as Suffering from Tuberculosis.														
Age Groups.														
Number of Cases Notified during year in which Diagnosis of Tuberculosis has been Confirmed.														
Cases notified in a previous year and removed to hospital for the first time during 1947.														
Cases not removed to hospital.														
Cases removed to hospital.														
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Cases removed to hospital.														

* Where a case is notified as suffering from both Pulmonary and Non-Pulmonary Tuberculosis it is included under "Pulmonary" only.

2.—Return showing the Number of Cases which received Treatment under the Tuberculosis Scheme in Sanatorium or other Institution during the year ended 31st December, 1947.

		Number of Patients.						
		a	b	c	Died in the		f	
		In Institutions on 1st January.	Admitted during the year.	Discharged during the year.	Institutions.†	d	In Institutions on 31st December.	
					e			
Pulmonary	{ Adults ...	64	98	96	4	8	54	
	{ Males ...	74	126	95	5	9	91	
	{ Females ...	15	22	26	—	—	11	
	{ Children ...	8	16	14	1	—	9	
Non-Pulmonary	{ Adults ...	12	14	16	2	1	7	
	{ Males ...	10	12	10	1	1	10	
	{ Females ...	8	16	6	6	1	11	
	{ Children ...	9	13	9	5	—	8	
Total		200	317	272	24	20	201	

† Column (d) shows those who were in final residence 28 days or over.

† All patients of 16 years and upwards classed as Adults.

TABLE IX.—Continued.

3.—Return of Number of Persons Resident in the Area at 31st December, 1947, who were known to be suffering from Tuberculosis.

		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.
PULMONARY. ^a											
1.	Sputum not present	1	7	23	11	31	12	4	2	—	91
		1	3	17	9	33	21	4	2	—	90
2.	Sputum present but not examined	—	—	—	—	2	1	—	—	1	4
		—	—	—	—	4	1	2	—	1	8
3.	Sputum examined and Tubercle Bacilli found	—	—	—	3	52	56	42	28	3	184
		—	—	—	1	66	82	26	6	1	182
4.	Sputum examined and Tubercle Bacilli never found	—	1	8	5	36	54	31	22	—	157
		—	—	7	6	65	56	17	11	1	163
	Total	2	11	55	35	289	283	126	71	7	879
NON-PULMONARY. ^b											
1.	Abdominal	—	—	1	5	1	1	—	—	—	8
		—	—	2	1	3	3	—	—	—	9
2.	Spine	—	—	5	4	3	8	—	3	—	23
		—	1	3	—	10	3	1	3	—	21
3.	Bones and Joints (exclusive of Spine)	—	2	4	4	10	4	1	1	—	26
		—	—	6	3	7	2	1	1	—	20
4.	Superficial Glands	—	—	1	6	6	2	—	1	—	16
		—	2	6	8	10	4	3	—	1	34
5.	Lupus	—	—	—	—	—	—	—	—	—	—
		—	—	—	—	2	—	—	—	—	2
6.	Other Parts or Organs... ..	—	—	2	1	6	2	2	—	—	13
		—	—	—	—	3	—	2	1	—	6
	Total	—	5	30	32	61	29	10	10	1	178
	Pulmonary and Non-Pulmonary	2	16	85	67	350	312	136	81	8	1057

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

TABLE IX.—Continued.

4.—Return of Number of Persons who died from Tuberculosis in the Area during the year ended 31st December, 1947, with particulars as to the period elapsing between Notification and Death and between Discharge from an Institution and Death.

	Pulmonary.		Non-Pulmonary.	
	Males.	Females.	Males.	Females.
Number of Persons who Died from Tuberculosis—123.	45	47	17	14
Of whom—				
Not notified or notified only at or after Death	6	3	6	4
Notified less than 1 month before Death ...	5	3	5	6
Notified from 1 to 3 Months before Death...	4	5	—	—
Notified from 3 to 6 Months before Death...	1	3	1	1
Notified from 6 to 12 Months before Death...	5	2	—	—
Notified from 1 to 2 Years before Death ...	8	7	—	—
Notified over 2 Years ...	16	24	5	3
Total	45	47	17	14
Number who Died within 28 days after Discharge from an Institution ...	5	1	—	—
Number who Died more than 28 days after Discharge from an Institution ...	12	20	1	2

TABLE X.
Ayrshire Central Hospital—Statement of Infectious Cases Treated during Year 1947.

	Admitted.		Dismissed.		Died.		Average Residence in Days.				Altered Diagnosis.	
	M.	F.	M.	F.	M.	F.	Dismissals.		Deaths.		M.	F.
							M.	F.	M.	F.		
Scarlet Fever ...	77	110	70	99	—	—	23.4	22.1	—	—	8	12
Diphtheria and Croup	46	68	16	27	2	2	49.3	47.0	1	1.5	29	39
Vincent's Angina	—	—	8	12	—	—	12.5	14.4	—	—	1	2
Erysipelas ...	12	12	11	13	—	—	13.0	23.4	—	—	—	—
Enteric Fever...	—	—	1	—	—	—	33.0	—	—	—	—	—
Paratyphoid Fever	3	1	—	1	—	—	—	37.0	—	—	3	1
Dysentery ...	22	10	17	9	—	—	25.3	21.0	—	—	7	2
Enteritis ...	54	27	49	26	9	5	19.3	15.1	5.7	6.0	12	3
Measles...	12	12	10	12	2	—	17.2	16.3	1.0	—	1	1
Whooping Cough	14	20	16	21	1	1	21.0	18.1	1.0	10.0	—	—
Rubella ...	2	—	4	3	—	—	7.0	11.0	—	—	—	—
Chickenpox ...	2	1	3	2	—	—	13.5	16.0	—	—	—	—
Mumps ...	1	—	1	—	—	—	17.0	—	—	—	—	—
Acute Primary Pneumonia	193	141	119	66	7	5	21.9	21.2	3.5	1.8	73	75
Puerperal Fever and Pyrexia	—	23	—	23	—	—	—	19.1	—	—	—	—
Continued Fever	11	17	—	—	—	—	—	—	—	—	11	17
Meningitis ...	64	36	19	8	14	11	31.2	25.0	9.0	7.5	34	22
Poliomylitis ...	78	58	51	34	1	1	45.6	52.3	1.0	1.0	35	26
Encephalitis ...	1	—	—	—	1	—	—	—	1.0	—	1	—
Malaria...	1	—	2	—	—	—	18.0	—	—	—	—	—
Tonsillitis ...	—	—	19	29	—	—	9.5	10.2	—	—	—	—
Acute Infective Hepatitis	1	2	1	3	—	—	18.0	20.0	—	—	1	—
Glandular Fever	1	—	1	3	—	—	20.0	19.5	—	—	—	—
Cancer ...	—	—	6	4	1	—	12.4	18.7	9.0	—	—	—
Cerebral Abscess or Haemorrhage	—	—	4	3	—	1	51.0	48.0	—	1.0	—	—
Tuberculosis ...	—	—	3	3	1	3	52.0	40.0	17.0	15.3	—	—
Acute Bronchitis	—	—	35	34	—	—	12.8	14.4	—	—	—	—
Tracheo-Bronchitis	—	—	2	3	2	—	23.8	21.6	1.0	—	—	—
Cardiac Disease	—	—	4	3	—	2	13.0	14.3	—	4.0	—	—
Skin Disease ...	—	—	8	7	—	—	3.0	12.2	—	—	—	—
Syphilis ...	—	—	—	1	—	—	—	22.0	—	—	—	—
Acute Rheumatism	—	—	6	2	—	—	17.0	15.0	—	—	—	—
Miscellaneous ...	—	—	63	47	5	1	7.2	10.5	4.5	3.0	—	—

TABLE XI.

County Laboratory—Total Examinations.

Throat Swab for B.Diphtheriae	...	...	...	...	...	425
B.Diphtheriae Virulence Test	...	...	...	...	...	4
Throat Swabs for Strept. Haemolyticus	...	...	...	...	...	271
Throat Swabs for Vincent's Infection	...	...	...	...	...	11
Vincent's Infection (Diphtheriae and H.S. together)	...	...	...	...	...	899
Sputum for Tubercle Bacilli; Film	...	...	...	...	...	1,554
Sputum for Tubercle Bacilli; Culture	...	...	...	...	...	652
Urine or C.S. Fluid for Tubercle Bacilli	...	...	...	...	...	10
Pus, Urine, Sputum, etc., for General Bacteriological Examination (involving Cultivation)	...	...	...	...	...	684
C.S. Fluid for Bacteriological and Cytological Examination	...	...	...	...	...	245
C.S. Fluid for Wassermann and Colloidal Gold Reactions, Total Protein, Globulin and Cells	...	...	...	...	...	137
Wassermann Reaction (Sacha-Georgi Flocculation and Kahn Tests also carried out as a matter of Laboratory routine	...	...	...	...	...	12,225
Gonococcus Complement Fixation Test	...	...	...	...	...	500
Widal Reaction (B. Typhosus and B. Paratyphosus "A" and "B" Tested together), also "B" Abortus	...	...	...	...	...	143
Culture of Widal Clot	...	...	...	...	...	1
Faeces and Urine for Enteric or Dysentery Organisms	...	...	...	...	...	811
Preparation of Autogenous Vaccine	...	...	...	...	...	1
Nase-Pharyngeal Swab for Meningococcus	...	...	...	...	...	2
Meningococcus Type	...	...	...	...	...	1
Bact. Examination of Water—Enumeration of Viable Bacteria and Estimation of B. Coli Content	...	...	...	...	...	672
Bact. Examination of Milk—Enumeration of Viable Bacteria and Estimation of B. Coli Content	...	...	...	...	...	10,398
Examination of Milk for Tubercle Bacilli (Animal Inoculation Test)	...	...	...	...	...	31
Examination of Urine for Leptospira Ictero-Haemorrhagiae	...	...	...	...	...	3
Grouping of Haemolytic Streptococci (Lancefield)	...	...	...	...	...	6
Blood Culture	...	...	...	...	...	86
Blood for Malaria	...	...	...	...	...	8
C.S. Fluid for Cell Count	...	...	...	...	...	219
Blood for Blood Group and Wassermann	...	...	...	...	...	1
Cough Plates for B. Pertussis	...	...	...	...	...	9
Swabs and Smears for General Bacteriological Examination	...	...	...	...	...	848
Swabs and Smears, including Gonococcus	...	...	...	...	...	36
Swabs and Smears for Gonococcus only	...	...	...	...	...	427
Animal Inoculation Test for Tubercle Bacilli	...	...	...	...	...	37
Specimens for Trichoma Vaginalis	...	...	...	...	...	47
Penicillin Sensitivity	...	...	...	...	...	89
Sulphonamide Sensitivity	...	...	...	...	...	2
Specimens for Monilia	...	...	...	...	...	134

TABLE XI.—*Continued.*County Laboratory—Total Examinations—*Continued.*

Urine and Swabs for Culture of Gonococci	123
Baby Feeds for Sterility... ..	16
Faeces for Helminths, Ova, etc.	23
Serum, etc., for Dark Ground Examination	32
Faeces for Tubercle Bacilli	4
Faeces for Occult Blood... ..	14
Fractional Test Meals	2
Ice Cream for Bacteriological Examination	101
Faeces for Fat Analysis	6
Milk—Resazurin Test	23
Milk for Evidence of Mastitis	14
Kahn Verification Test	36
Blood Urea Estimation	139
Urea Concentration	3
Single Blood Sugars	14
Blood Sugar Curves	63
Blood Cholesterols	16
Serum Proteins	2
Plasma Proteins	8
Blood Uric Acid	1
Urinary Diastase	1
Icterus Index	1
Blood—Non-Protein Nitrogen	1
Plasma Phosphatase	1
Serum Calcium	16
Full Blood Count (including H.B., R.B.C., W.B.C. and Differential W.B.C.)	77
Blood—Packed Cell Volumes	31
Blood Picture	13
Differential White Counts	50
Paul-Bunnell Tests	11
Blood Sedimentation Rates	1,364
Cultures from Babies Cots	150
Miscellaneous Specimens	128
TOTAL	34,113

TABLE XII.
OUTPATIENT CLINICS.

Place and Premises.	Day.	Hour.	Doctor.	Remarks.
School Clinics— Ayr—King Street Dairy—Higher Grade School Glasgow—Henrietta Street ... Girvan—Clinic, Wesley Place Irvine—Waterside Street ... Kilbirnie—Central School ... Kilmarnock—Green St. Clinic Maybole—Carrick Home ... Prestwick—Glenburn P.S. ... Saltcoats—Public School ... Troon—Troon Infant School.	Every Monday. Every Friday. Every Thursday. Every Monday. Every Wednesday. Every Monday. Every Wednesday. Every Friday. Every Friday. Every Tuesday. Every Friday.	3 p.m. 2 p.m. 10 a.m. 2 p.m. 2 p.m. 2 p.m. 10 a.m. 10 a.m. 1.30 p.m. 10 a.m. 10 a.m.	School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer. School Medical Officer.	
Tuberculosis Clinics— Irvine—Central Hospital ... Saltcoats—Campbell Avenue	Every Wednesday. First and Third Tuesdays.	2 p.m. 2.30 p.m.	Chest Physician. Tuberculosis Officer.	
Orthopaedic Clinic— Ayr—Seaford Hospital ...	Once a month.	10 a.m.	Part-time Specialist.	
Surgical Clinic— Ayr—Seaford Hospital ...	Every Friday.	11 a.m.	Part-time Specialist.	
Medical Clinic— Ayr—Seaford Hospital ...	Every Wednesday.	1.30 p.m.	County Paediatrician .	
Ear, Nose and Throat Clinic— Ayr—Seaford Hospital ...	Every Monday and Thursday.	3 p.m.	Part-time Specialist.	
Orthoptic Clinics— Ayr—King Street Kilmarnock—Green St. Clinic Saltcoats—Public School ...	Every Tuesday and Thursday. Every Wednesday and Friday. Every Monday.	9.30 a.m. 9.30 a.m. 9.30 a.m.	Orthoptist. Orthoptist. Orthoptist.	
Child Welfare Centres— Annbank—The Hall... .. Ardrossan—Castlecraigs, Glasgow Street Anchlinleck—Town Hall ... Beith—Town House... .. Cathrine—Brown's Institute... Crosshouse—Co-operative Hall Cumnock—Millbank... .. Dalmellington—Church Hall. Dairy—First-Aid Post, James Street Darvel—Lesser Town Hall...	Third Thursday. Third Thursday. Second Thursday. First Tuesday. Second Wednesday. Third Thursday. First and Third Fourth Tuesday. Third Tuesday. Second Thursday.	2 p.m. 2.15 p.m. 2.30 p.m. 2 p.m. 2.30 p.m. 2 p.m. 2.30 p.m. 2 p.m. 2 p.m. 2 p.m.	Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer. Assistant Medical Officer.	Nurse attends Monthly. Nurse attends Weekly. Nurse attends Monthly. Nurse attends Monthly. Nurse attends Monthly. Nurse attends Monthly. Nurse attends Fortnightly. Nurse attends Monthly. Nurse attends Fortnightly. Nurse attends Monthly.

TABLE XII.—Continued.

Place and Premises.	Day.	Hour.	Doctor.	Remarks.
Dreghorn—Clinic (Public Assistance Office) ...	Third Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Fortnightly.
Galston—Henrietta Street ...	Third Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Girvan—Wesley Place ...	First Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Hurlford—The Institute ...	Fourth Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Irvine—Waterside St. Clinic	First and Third Thursdays.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Kilbirnie—Nurses' Home ...	Second Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Kilwinning—Parish Chambers	First Tuesday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Kilmaurs—Kilmaurs Hall ...	First Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Lugar—The Institute ...	Fourth Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Mauchline—Parish Church Hall	Second Monday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Maybole—Carrick Home ...	Second Tuesday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Muirkirk—				
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.
New Cunnock—				
Craigbank Gospel Hall ...	Fourth Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Mansefield Hut, Pathbrae	First Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Newmilns—Lady Flora's Inst.	Fourth Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Patna—Parish Church Hall...	Fourth Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Prestwick—Youth Centre,				
Templerigg Street ...	First Tuesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Saltcoats—Saltcoats Clinic				
(Special School) ...	Second and Fourth Tuesdays.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Stevenston—War Memorial Institute ...				
Stewarton—11 The Avenue...	Second Thursday.	2 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Tarbolton—Infant School ...	Fourth Thursday.	2.30 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Troon—Tinnion Nursing Home	Fourth Wednesday.	2 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
	Second Tuesday.			
Fre-Natal Clinics—				
Cunnock—Millbank ...	Every Tuesday.	2.45 p.m.—4 p.m.	Assistant Medical Officer.	Nurse attends Weekly.
Galston—Henrietta Street ...	Every Tuesday.	10.30 a.m.	Assistant Medical Officer.	Nurse attends Fortnightly.
Girvan—Wesley Place ...	Every Thursday.	2 p.m.—4 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Irvine—Central Hospital ...	Monday and Fridays.	2 p.m.	Assistant Medical Officer.	Nurse attends Monthly.
Kilbirnie—Nurses' Home ...	Every Friday.	10.30 a.m.—12 noon.	Assistant Medical Officer.	Nurse attends Fortnightly.
Largs—Red Cross Hut ...	Every Monday.	10 a.m.—12 noon.	Assistant Medical Officer.	Nurse attends Monthly.
Maybole—Carrick Home ...	Every Thursday.	10.30 a.m.—12 noon.	Assistant Medical Officer.	Nurse attends Monthly.
Saltcoats—School Clinic ...	Every Wednesday.	10.30 a.m. to 12 noon and 1 p.m. to 3 p.m.	Assistant Medical Officer.	Nurse attends Fortnightly.
Troon—Tinnion Nursing Home	Every Tuesday.	9.30 a.m.	Assistant Medical Officer.	

COUNTY OF AYR.



ANNUAL REPORT

BY THE

School Medical Officer

For the Year ending 31st July, 1948.

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, 1948.

I have the honour to be,

Your obedient Servant,

C. A. BIGNOLD,

County Medical Officer.

COUNTY BUILDINGS,
AYR, DECEMBER, 1948.

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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.

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

ENID M. DIXON, 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.

Chief School Dental Officer—

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

Assistant School Dental Officers—

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

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

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

R. L. CAMPBELL, L.D.S.

(Left 15/8/47).

MRS. A. JACKSON, L.D.S.

(Commenced 16/9/47).

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

(Commenced 16/9/47).

W. B. HAMILTON, L.D.S.

J. B. BURNETT, L.D.S.

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

MISS J. H. AITKEN, L.D.S.

(Commenced 16/9/47).

(Left 19/3/48).

J. WILSON, L.D.S.

(Commenced 16/9/47).

MRS. A. G. WALKER, L.D.S.

(Commenced 12/9/48).

School Nurses—

MISS M. D. HOWIE (Ardrossan and Stevenston Parishes)
and 62 Part-time Nurses.

Orthoptist—

MISS M. M. LEWIS, Diploma, British Orthoptic Board.
(Left 28/5/48).

Clerks—

THOMAS N. CRAWFORD.

OLIVER MUIR.

Typists—

MISS M. MACDONALD (left 15/9/47).

MISS M. DORRANCE

MISS K. STEELE (commenced 16/9/47).

Dental Attendants—

MISS K. STEELE (left 15/9/47).

MISS M. McLEAN.

MISS H. McCOSH (died 14/5/48).

MISS J. GRAY.

MISS M. JOHNSTONE.

MISS A. KELSO.

MISS M. DICKIE.

MISS R. KELSO.

MISS H. GROPERT

MISS N. GILLIES

(commenced 16/9/47).

(commenced 16/9/47).

(left 4/12/47).

(left 9/3/48).

MISS A. BELL

MISS M. BANKS

(commenced 16/9/47).

(commenced 19/1/48).

MISS MUIR

MISS M. HENDRY

(commenced 16/9/47).

(commenced 22/3/48).

BURGH OF AYR.

School Medical Officer—

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

Assistant School Medical Officers—

G. L. BROWN, M.D., D.P.H. (left 8/7/47).

A. F. MCCOUBREY, M.B., Ch.B., D.P.H.

J. S. S. POLLOCK, M.B., Ch.B., D.P.H. (commenced 27/8/47).

School Nurses—

FIVE 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 Officer—

J. S. CAMERON, M.B., Ch.B., D.P.H. (left 15/2/48).

C. C. WRIGHT, M.B., Ch.B., D.P.H. (commenced 1/3/48).

School Nurses—

FIVE PART-TIME NURSES.

Typist—

MISS E. LOVE.

PART-TIME SPECIALISTS.

Ear, Nose and Throat Surgeon—

F. M. WALKER, F.R.F.P.S.G.

Oculist—

J. N. TENNENT, M.B., Ch.B., D.O.M.S.

Orthopaedic Surgeon—

NORMAN DAVIDSON, O.B.E., F.R.C.S. (left 15/3/48).

ALEXANDER MILLER, F.R.C.S. (commenced 1/4/48).

II.—GENERAL STATISTICS.

Population of the Area	321,346
------------------------	-----	-----	-----	-----	-----	---------

Number of Schools—

(a) Primary	} Under Education Authority {	...	92
(b) Secondary		...	61

(c) (i) Special Schools	...	...	...	...	3
(ii) Special Classes in Ordinary Schools	...	...	...	...	0
(iii) Nursery Schools	...	...	...	...	4

(d) In receipt of Grant from Education Authority under Medical Inspection	160
--	-----	-----	-----	-----

Number of Children on the Registers	48,811
-------------------------------------	-----	-----	--------

Number of Children in Average Attendance	...	44,923
--	-----	--------

III.—SANITARY CONDITION 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.

IV.—ORGANISATION AND TREATMENT.

School Nurses attend to 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 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 1938.
- (3) Children born in 1934.
- (4) Children born in 1931.
- (5) Children born in 1940 (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 had not received or was not receiving appropriate attention.

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 2,703.

V.—THE FINDINGS OF MEDICAL INSPECTION.

(a) Routine.

The number of children examined was 14,384, of whom 4,710 or 32·75 per cent. suffered from some defect. Of these 2,421 or 16·83 of the children examined suffered from minor defects or from ailments from which recovery was expected in a few weeks, and 1,833 or 12·74 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 456 or 3·18 of those examined. This percentage compares with 2·80 in 1939-40.

In the following summary under the various defects the percentage found defective at routine inspection is compared with the percentage during the school session 1939-40, and with the results of twenty years ago where these are comparable.

(1) Clothing.

Eleven children were found to have unsatisfactory clothing, 0·07 per cent. of the children examined at routine inspections. The corresponding figure for 1939-40 was 0·21 per cent. In the school session, 1927-28, the percentage found to have unsatisfactory clothing was 1·4. At special inspections 9 children were found to be unsatisfactorily clothed.

(2) Footgear.

One child was found to have unsatisfactory footgear, 0·006 per cent. of the children examined at routine inspections. The corresponding figure for 1939-40 was 0·06 per cent. In the school session, 1927-28, the percentage was 0·7. At special inspections 2 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 382 or 2·65 per cent. of those examined. The corresponding figure for 1939-40 was 3·73. The percentage in 1927-28 was 7·5.

(b) *Body*.—The number of children found at routine inspections to have dirty or verminous bodies was 25 or 0·17 per cent. The percentage in 1939-40 was 0·34 and 1·9 in 1927-28.

At special inspections 48 children were found to have a dirty or verminous condition of the head and 16 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 :—

Ringworm ...	...	...	3 children or 0·02 per cent.
Impetigo ...	...	...	18 children or 0·12 per cent.
Other Diseases ...	...	...	31 children or 0·21 per cent.

The following were the corresponding percentages in 1939-40 and 1927-28 :—

Ringworm ...	0·007	in 1939-40	...	0·1	in 1927-28
Impetigo ...	0·26	in 1939-40	...	1·5	in 1927-28
Other Diseases ...	0·24	in 1939-40	...	0·12	in 1927-28

At special inspections 1 child was found to be suffering from Ringworm, 9 from Impetigo and 10 from Other Diseases.

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

Ringworm ...	...	...	7 children or 0·04 per cent.
Impetigo ...	...	...	10 children or 0·06 per cent.
Scabies ...	...	...	47 children or 0·32 per cent.
Other Diseases ...	...	...	106 children or 0·73 per cent.

The classification was different in 1927-28, but the following were the corresponding percentages for 1939-40 :—

Ringworm ...	...	...	...	...	...	0·02
Impetigo ...	...	...	...	...	...	0·22
Scabies ...	...	...	...	...	...	0·42
Other Diseases ...	...	...	...	...	...	0·64

At special inspections 4 children were found to be suffering from Ringworm, 10 from Impetigo, 7 from Scabies and 24 from other Skin Diseases.

(5) Nutritional State.

At routine inspections 271 children were found to be suffering from slightly defective nutrition and 25 from bad nutrition, being respectively 1.88 and 0.17 per cent. of the children examined. The corresponding percentages in 1939-40 were 2.24 slightly defective and 0.19 bad. The classification was different in 1927-28. The percentage suffering from nutrition below average was 9.7 and from very bad nutrition 0.04.

At special examination 34 children were found to be suffering from slightly defective nutrition.

(6) Mouth and Teeth.

At routine medical inspections 543 children were suffering from unhealthy conditions of the mouth and teeth, 3.77 per cent. of the children examined. In 1939-40 the percentage was 3.80. In 1927-28 the figures are not comparable because a different method of classification was used.

At special inspections an unhealthy condition of the mouth and teeth was found in 12 children.

(7) Nasopharynx.

(a) *Nose*.—Apart from cases requiring further observation, 345 children, or 2.39 per cent. of those examined, showed obstruction, probably due to adenoids requiring operation.

In 1939-40 the corresponding percentage was 2.03.

At special examinations 59 cases requiring operation were found.

(b) *Throat*.—Apart from cases requiring further observation, 847 children, or 5.89 per cent. of those examined, were found to have tonsils which required operative treatment. The corresponding percentage in 1939-40 was 6.32.

At special examinations 112 cases of diseased tonsils requiring operation were found.

(c) *Glands*.—Enlarged Glands requiring further observation were found in 229 or 1.59 per cent. of the children examined, while 5 children or 0.03 per cent. had Glands requiring operation. The corresponding percentages in 1939-40 were 1.63 and 0.02.

In addition 17 children requiring observation and 4 requiring operative treatment were found at special examinations.

(8) Eyes.

Infective conditions of the lids or conjunctiva were found in 86 children or 0.59 per cent. of those examined, as compared with 1.05 per cent. in 1939-40.

At special examinations 13 were found.

Corneal Opacities were found in 9 or 0.06 per cent. of the children, as compared with 0.09 per cent. in 1939-40.

At special examinations 1 was found.

Squint affected 279 children or 1.93 per cent., as compared with 1.62 per cent. in 1939-40. Squint was also found in 39 children brought forward for special examination.

Visual Acuity.—Vision was not examined in entrants. Of those in the other age groups 751 or 8.20 per cent. had defective vision requiring refraction as compared with 8.60 per cent. in 1939-40. In addition 4,871 children were examined as "Specials," including the seven-year-old group examined in place of entrants. Of these 705 were found to require refraction.

(9) Ears.

Otorrhoea or discharge from the ears affected 136 children or 0.94 per cent., as compared with 0.69 in 1939-40. Discharging ears were found in 31 children examined as "Specials."

Defective hearing was present in 48 children or 0.32 per cent. The majority, 42, were classified in Grade 1, Deafness—Children who can be educated in the ordinary school without special provision. The number classified as having defective hearing in 1939-40 composed 0.34 per cent. of the children examined. This involved 40 children, of whom 28 were classed as having degrees of deafness more severe than Grade 1.

Of children examined as "Specials" 18 were classed as suffering from Grade 1, Deafness, and 1 from Deafness more severe than Grade 1.

(10) Speech.

Of the children examined at routine inspections 56 or 0·38 per cent. suffered from defective articulation and 14 or 0·09 per cent. from stammering. These percentages compared with 0·53 and 0·15 in 1939-40 and 0·5 and 0·2 in 1927-28.

Of children examined as "Specials" 8 showed defective articulation and 1 stammering.

(11) Mental and Nervous Conditions.

At inspections of routine age groups 8 children or 0·05 per cent. were found to be educable mental defectives and no ineducable defectives were found. These compared with 0·18 and 0·02 per cent. respectively in 1939-40.

Other mental or nervous conditions affected 57 or 0·38 per cent. of the children examined, as compared with 0·64 per cent. in 1939-40.

At special examinations 13 children were found to be backward, 3 Mentally defective (educable), 1 highly nervous and 1 of difficult behaviour.

(12) Circulatory System.

At routine inspections 58 children were found to be suffering from organic heart disease, comprising 0·40 per cent. of the children examined. This compares with 0·46 per cent. in 1939-40.

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

(13) Lungs.

The number of children suffering from chronic bronchitis was 81 or 0·56 of those examined at routine inspections. The corresponding percentage in 1939-40 was 0·55 and 1·0 in 1927-28.

There were referred to the Tuberculosis Officer as suspected cases of Tuberculosis 17 children or 0·11 per cent., as compared with 0·13 per cent. in 1939-40.

Other diseases of the Lungs affected 70 children or 0·48 per cent., as compared with 0·72 per cent. in 1939-40 and 2·26 per cent. in 1927-28.

Of children examined as "Specials" 6 had Chronic Bronchitis, 7 suspected Tuberculosis and 12 other diseases.

(14) Deformities.

Deformities dating from birth affected 35 children or 0·24 per cent., as compared with 0·32 per cent. in 1939-40 and 0·2 per cent. in 1927-28.

Deformities due to Infantile Paralysis affected 13 children or 0·09 per cent., as compared with 0·06 per cent. in 1939-40.

Deformities due to Rickets affected 46 children or 0·31 per cent., as compared with 0·24 per cent. in 1939-40.

Deformities due to other causes, for instance accident, affected 75 children or 0·52 per cent., compared with 0·25 per cent. in 1939-40.

Children submitted for special examination included 2 cases of Congenital Deformities, 2 of Deformities due to Infantile Paralysis, and 4 of Deformities due to other causes (not Rickets).

(15) Infectious Disease.

There were discovered at routine inspections 8 cases of Infectious Disease, 0·05 per cent. of the children examined, as compared with 0·02 per cent. in 1939-40 and 0·15 per cent. in 1927-28.

Of children examined as "Specials" 4 were found with Infectious Diseases.

(16) Other Diseases or Defects.

Affected 286 children or 1·98 per cent. of those examined, as compared with 1·51 per cent. in 1939-40.

(b) Special.

Of the 4,871 special cases examined 1,018 were found defective, and the following is a list of the defects found :—

(1) Unsatisfactory Clothing	...	...	...	...	...	9
(2) Unsatisfactory Footgear	...	...	...	...	...	1

(3) Cleanliness—

Head—Dirty, Nits or Vermin	...	...	...	48
Body—Dirty, Nits or Vermin	...	...	...	16

(4) Skin—Head—

Ringworm	...	...	...	...	...	...	1
Impetigo	...	...	...	...	...	...	9
Other Diseases	...	...	...	...	...	...	10

Skin—Body—

Ringworm	...	...	...	...	...	...	4
Impetigo	...	...	...	...	...	...	10
Scabies	...	...	...	...	...	...	7
Other Diseases	...	...	...	...	...	...	24

(5) Nutritional State—

Slightly Defective	...	...	...	...	...	...	34
Bad	...	...	...	...	...	...	—

(6) Mouth and Teeth Unhealthy 12**(7) Nose—**

Obstruction requiring observation	...	...	...	...	...	18
Obstruction (probably Adenoids) requiring operation	...	...	...	...	...	59
Other Conditions	...	...	...	...	...	30

Throat—

Tonsils requiring observation	...	...	...	...	...	47
Tonsils requiring operative treatment	...	...	...	...	...	112

Glands—

Requiring observation	...	...	...	...	...	17
Requiring operative treatment	...	...	...	...	...	4

(8) Eyes—**External Diseases—**

Blepharitis	...	...	...	...	...	...	11
Conjunctivitis	...	...	...	...	...	...	2
Corneal Opacities	...	...	...	...	...	...	1
Squint	39
Other Diseases	13

Visual Acuity—

Defective Vision (for Refraction)	705
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(9) Ears—

Otorrhoea	31
Other Diseases	17

Defective Hearing—

Grade I.	18
Grade II. (b)	1

(10) Speech—

Defective Articulation	...	...	...	...	...	...	8
Stammering	...	...	...	...	...	...	1

(11) Mental and Nervous Condition—

Backward	...	...	...	...	...	...	13
Dull (Intrinsically)	...	...	...	...	...	...	—
Mental Defective (Educable)	...	...	...	...	...	...	3
Highly Nervous	...	...	...	...	...	...	1
Difficult Behaviour	...	...	...	...	...	...	1

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

Congenital	...	...	...	...	...	...	—
Acquired	...	...	...	...	...	...	3

(13) Lungs—

Chronic Bronchitis	...	...	...	...	...	...	6
Suspected Tuberculosis	...	...	...	...	...	...	7
Other Diseases	...	...	...	...	...	...	12

(14) Deformities—

Congenital	2
Acquired (Infantile Paralysis)	2
Other Causes	4

(15) Infectious Disease	4
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(16) Other Diseases or Defects	101
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VI.—ARRANGEMENTS FOR MEDICAL TREATMENT.**(a) Minor Ailments.**

There are School Clinics at Troon, Saltcoats, Irvine, Maybole, Girvan, Dalry, Kilbirnie, Galston, 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 7,178, and as several paid recurrent visits there was a total of 11,068 attendances.

- (1) Cuts, Bruises, Sprains and Minor Injuries, etc.—1,656.
- (2) Diseases of the Ear, 374 children, largely cases of Otorrhoea.
- (3) Diseases of the Eye, 302 children, including Conjunctivitis and Blepharitis principally.
- (4) Diseases of the Skin—753, being in the main Impetigo, Scabies and Eczema.
- (5) Other Diseases, including cases of non-attendance brought to Clinics on recommendation of Attendance Officers—4,093.

(b) Defective Vision and Squint.

The whole-time Medical Officers paid visits to different Centres, where the cases were previously collected for them and arrangements made for their work.

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

Number of Clinics held ...	...	...	...	...	72
Number of Children Examined	...	...	...	...	840
Number of Children Prescribed Spectacles	...	...	...	...	603

Dr. J. N. Tennent, the Visiting Oculist, paid visits to different Centres, where cases were previously collected for him and arrangements made for his work. The children examined by him included cases from the Burghs of Ayr and Kilmarnock, and also cases referred to him by the whole-time School Medical Officers.

He prescribed Spectacles where necessary and gave treatment when required.

The following is a summary of the cases seen for the period :—

Number of Clinics held ...	...	...	...	...	87
Number of Children Examined	...	...	...	...	1,202
Number of Children Prescribed Spectacles	...	...	...	...	645

From the beginning of the school year under review until 28th May, 1948, Orthoptic Clinics were held at the School Clinics in Ayr, Kilmarnock and Saltcoats, and the following is a summary of the cases dealt with :—

Number of Cases Examined	121
--------------------------	-----	-----	-----	-----	-----

Cases Under Observation—

Number of Cases	16
-----------------	-----	-----	-----	-----	----

Number of Observations	33
------------------------	-----	-----	-----	-----	----

Cases on Treatment—

Number of Cases	61
-----------------	-----	-----	-----	-----	----

Number of Treatments	213
----------------------	-----	-----	-----	-----	-----

Dr. J. N. Tennent, the Visiting Oculist, held operating sessions for Strabismus at Seafield Hospital, and the following is a summary of the cases dealt with during the year :—

Number of Sessions held	7
-------------------------	-----	-----	-----	-----	---

Number of Children Operated on	25
--------------------------------	-----	-----	-----	-----	----

Other Eye Operations	6
----------------------	-----	-----	-----	-----	---

(c) Nose and Throat (Operative Treatment).

Children suffering from Enlarged Tonsils and Adenoids were operated on at Seafield Hospital, Ayr. The following shows the number of cases dealt with during the year under review :—

Number of Sessions held	241
-------------------------	-----	-----	-----	-----	-----

*Number of Children Operated on	1,511
---------------------------------	-----	-----	-----	-----	-------

* During part of August and the whole of September and October there were no operations owing to outbreak of Poliomyelitis.

Ear, Nose and Throat cases of a special nature were seen by Dr. Forbes M. Walker at the Special Clinics held twice weekly at Seafield Hospital, Ayr, and the following is a summary of the cases dealt with :—

Number of Cases Examined at Special Ear Clinics...	3,369
--	-------

Number of Cases recommended for Treatment	...	754
---	-----	-----

Number of Cases admitted for Antral Wash-out	
--	--

Treatment	823
-----------	-----	-----	-----	-----	-----	-----

Number of Cases Operated on for Mastoiditis, etc....	289
--	-----

(d) Orthopaedic and Postural Defects (Specialist Treatment).

Clinics were held at Seafield Hospital, Ayr, and the following is a summary of the cases dealt with by Mr. Davidson, the Orthopaedic Surgeon, until the end of March, 1948, and by his successor, Mr. Miller, from 1st April, 1948 :—

Number of Clinics held	22
Number of Children Examined	558
Number of Children recommended for Treatment ...	67
Number of Children recommended for X-Ray ...	28
Number of Children recommended for Remedial Exercise, etc.	85
Number of Operating Sessions held	16
Number of Children Operated on	57
Number of Children put in Plaster of Paris ...	66

(e) Deformities Treated by Appliances.

Number of Cases so treated	25
-----------------------------------	----

VII.—DENTAL INSPECTION AND TREATMENT.

The school Dentists devoted 703 half days to schools for the purpose of inspecting children and 2,661 half days to give the necessary dental treatment during the year, while the number of attendances made by children for treatment was 17,586.

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

TABLE V.**(a) Inspection.**

Number of Children Inspected	33,645
Number of Children requiring Treatment	25,336
Number of Children for whom Parents accepted Treatment by School Dentists	15,350
Number of Children not requiring Treatment ...	8,309
Number of Children for whom Parents stated that they would have Treatment given privately ...	8,514
Number of Children for whom Parents did not accept Treatment	1,472
Number of Special and Emergency Cases Inspected	29
Number of Special and Emergency Cases requiring Treatment	29
Number of Special and Emergency Cases accepted Treatment	29

(b) Treatment.

Number of Children Treated	...	...	...	10,476
Number of Extractions (Temporary Teeth)	...	...	...	8,837
Number of Extractions (Permanent Teeth)	...	...	...	908
Number of Fillings (Temporary Teeth)	...	...	...	1,100
Number of Fillings (Permanent Teeth)	...	...	...	8,523
Number of Dentures supplied	...	...	...	21
Number of Orthodontics	...	...	...	18
Number of Obturators	...	...	...	2
Number of Acrylic Crowns	...	...	...	1
Number of Acrylic Inlays	...	...	...	3
Number of Scalings	...	...	...	1,377
Number of other Operations (Permanent)	...	...	...	7,086
Number of other Operations (Temporary)	...	...	...	2,390
Number of Special and Emergency Cases Treated	...	...	...	29
Number of Special and Emergency Extractions (Temporary Teeth)	...	...	...	118
Number of Special and Emergency Extractions (Permanent Teeth)	...	...	...	32
Number of General Anaesthetics	...	...	...	26

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 65, of whom 13 are physically defective children and 52 mentally defective children.

St. Leonard's Home has 11 physically defective children resident, and these are taught in the Physically Defective Classes.

There are thus on the school roll 24 physically defective and 52 mentally defective children.

There are 5 classrooms, viz., 3 for physically defective children and 2 for mental defectives.

(2) Park Special School, Kilmarnock.

There are on the school roll 60 mentally defective children and 36 physically defective children.

There are 5 occupied classrooms, viz., 3 for mental defectives and 2 for physically defective children.

(3) Special School, Saltcoats.

There are on the school roll 35 mentally defective and 1 physically defective child.

There are 3 classrooms, viz., 2 for mental defectives and 1 for physically defective children.

(4) Other Institutions.

At present there are in Institutions :—

Donaldson's School for the Deaf, Edinburgh	...	6
Langside School for the Deaf, Glasgow	...	27
St. Vincent's School for the Blind and Deaf, Glasgow		7
Royal Blind School, Edinburgh	...	5
Colony for Epileptics, Bridge of Weir	...	6
Baldovan Institution, Dundee	...	1
Birkwood Certified Institution, Lesmahagow	...	1
Waverley Park Certified Institution, Kirkintilloch	...	3
St. Joseph's Certified Institution, Rosewell, Midlothian		4
St. Charles' Certified Institution, Carstairs Junction, Lanarkshire	...	1
East Park Home for Infirm Children, Largs	...	1
Philipshill Hospital, Busby	...	6
Princess Margaret Rose Hospital, Edinburgh	...	1
Hairmyres Hospital, East Kilbride	...	1

Children requiring convalescent treatment are sent to Clark Convalescent Home, Largs. The number of children admitted during the session under review was 175.

Fourteen children are also resident in Biggart Home, Prestwick.

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 56 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 the year round.

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

(c) Playing Fields.

Following a recent survey of playing fields it is hoped to make adequate provision for all Secondary Schools.

(d) Camp Schools and Trek Camps.

During the school year the Education Committee has the use of Camp Schools at Broomlee and Gorebridge 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, 1948, 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.

TABLE II.

SCHOOL MEDICAL SERVICE—SYSTEMATIC EXAMINATIONS.

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Number Examined	2669	2564	2287	2164	2191	2133	195	181	7342	7042	14,384
1. Clothing—											
Unsatisfactory	3	4	1	1	1	1	—	—	5	6	11
Percentage	0.11	0.15	0.04	0.04	0.04	0.04	—	—	0.06	0.08	0.07
2. Footgear—											
Unsatisfactory	1	—	—	—	—	—	—	—	1	—	1
Percentage	0.04	—	—	—	—	—	—	—	0.01	—	0.006
3. Cleanliness—											
Head—											
Dirty, etc.	11	108	4	132	8	117	2	—	25	357	382
Percentage	0.41	4.21	0.17	6.09	0.36	5.48	1.02	—	0.34	5.06	2.65
Body—											
Dirty, etc.	8	4	4	4	2	3	—	—	14	11	25
Percentage	0.29	0.15	0.17	0.18	0.09	0.14	—	—	0.19	0.15	0.17

TABLE II.—Continued.

School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
4. Skin— Head— Ringworm Percentage Impetigo ... Percentage Other Diseases Percentage Body— Ringworm Percentage Impetigo ... Percentage Scabies ... Percentage Other Diseases Percentage	1	—	—	—	1	0.04	1	—	2	1	3
	0.03	—	—	—	0.04	0.04	—	—	0.02	0.01	0.02
	5	3	5	2	2	1	—	—	12	6	18
	0.18	0.11	0.21	0.09	0.09	0.04	—	—	0.16	0.08	0.12
	10	8	1	1	2	9	—	—	13	18	31
	0.37	0.31	0.04	0.04	0.09	0.42	—	—	0.17	0.25	0.21
	1	3	1	1	—	1	—	—	2	5	7
	0.03	0.11	0.04	0.04	—	0.04	—	—	0.02	0.07	0.04
	3	6	—	—	—	1	—	—	3	7	10
	0.11	0.23	—	—	—	0.04	—	—	0.04	0.09	0.06
	11	8	10	10	3	5	—	—	24	23	47
	0.41	0.31	0.43	0.46	0.13	0.23	—	—	0.32	0.32	0.32
	19	32	6	17	9	15	6	2	40	66	106
0.71	1.20	0.26	0.78	0.41	0.70	3.07	1.10	0.54	0.93	0.73	
5. Nutritional State— Slightly Defective... Percentage Bad ... Percentage	90	79	40	27	24	11	—	—	154	117	271
	3.37	3.08	1.74	1.24	1.09	0.51	—	—	2.09	1.66	1.88
	7	16	2	—	—	—	—	—	9	16	25
	0.26	0.62	0.08	—	—	—	—	—	0.12	0.22	0.17

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

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
6. Mouth and Teeth—											
Unhealthy ...	118	108	103	73	60	70	7	4	288	255	543
Percentage ...	4.42	4.21	4.50	3.37	2.73	3.28	3.58	2.20	3.92	3.62	3.77
7. Nose—											
Obstruction requiring Observation	133	84	47	28	19	8	—	—	199	120	319
Percentage ...	4.98	3.27	2.05	1.29	0.86	0.37	—	—	2.71	1.70	2.21
Obstruction (probably Adenoids) requiring Operation ...	125	110	53	31	10	16	—	—	188	157	345
Percentage ...	4.68	4.29	2.31	1.43	0.45	0.75	—	—	2.56	2.22	2.39
Other Conditions ...	67	53	36	20	13	7	1	—	117	80	197
Percentage ...	2.51	2.06	1.57	0.92	0.59	0.32	0.51	—	1.59	1.13	1.37
Throat—											
Tonsils requiring Observation ...	331	239	177	164	108	120	4	7	620	530	1150
Percentage ...	12.40	9.32	7.73	7.57	4.92	5.62	2.05	3.86	8.44	7.52	7.99
Tonsils requiring Operative Treatment...	234	197	134	112	67	102	—	1	435	412	847
Percentage ...	8.76	7.68	5.85	5.17	3.05	4.78	—	0.55	5.92	5.85	5.89
Glands—											
Requiring Observation ...	94	46	43	25	14	7	—	—	151	78	229
Percentage ...	3.52	1.79	1.88	1.15	0.63	0.32	—	—	2.05	1.11	1.59
Requiring Operative Treatment	1	2	—	2	—	—	—	—	1	4	5
Percentage ...	0.04	0.07	—	0.09	—	—	—	—	0.01	0.05	0.03

TABLE II.—Continued.

School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
8. Eyes—											
External Diseases—											
Blepharitis ...	14	17	15	11	9	13	1	—	39	41	80
Percentage ...	0.52	0.66	0.65	0.50	0.41	0.60	0.51	—	0.53	0.58	0.55
Conjunctivitis ...	2	2	1	1	—	—	—	—	3	3	6
Percentage ...	0.07	0.07	0.04	0.04	—	—	—	—	0.04	0.04	0.04
Corneal Opacities ...	2	4	1	—	1	1	—	—	4	5	9
Percentage ...	0.07	0.15	0.04	—	0.04	0.04	—	—	0.05	0.07	0.06
Squint ...	88	69	39	33	30	17	3	—	160	119	279
Percentage ...	3.29	2.68	1.70	1.52	1.36	0.79	1.54	—	2.17	1.68	1.93
Other Diseases ...	8	7	11	16	8	7	—	—	27	30	57
Percentage ...	0.29	0.27	0.47	0.73	0.36	0.32	—	—	0.36	0.42	0.39
Visual Acuity—											
Number Examined ...	—	—	2287	2164	2191	2133	195	181	4673	4478	9151
Recommended for Refraction—											
Defective Vision—											
Fair ...	—	—	50	40	63	81	—	8	113	129	242
Percentage ...	—	—	2.18	1.84	2.87	3.79	—	4.41	2.41	2.88	2.64
Bad ...	—	—	106	109	133	146	9	6	248	261	509
Percentage ...	—	—	4.63	5.03	6.07	6.84	4.61	3.31	5.30	5.83	5.56

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

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Number Examined	2669	2564	2287	2164	2191	2133	195	181	7342	7042	14,384
9. Ears—											
Otorrhoea ...	36	31	17	15	20	17	—	—	73	63	136
Percentage ...	1.34	1.20	0.74	0.69	0.91	0.79	—	—	0.99	0.89	0.94
Other Diseases ...	2	3	3	1	—	1	—	—	5	5	10
Percentage ...	0.07	0.11	0.13	0.04	—	0.04	—	—	0.07	0.07	0.07
Defective Hearing—											
Grade I. ...	7	6	6	6	8	8	1	—	22	20	42
Percentage ...	0.22	0.23	0.26	0.27	0.36	0.37	0.51	—	0.29	0.28	0.29
Grade II. (a) ...	1	—	1	1	1	—	—	—	3	1	4
Percentage ...	0.04	—	0.04	0.04	0.04	—	—	—	0.04	0.01	0.02
Grade II. (b) ...	—	—	—	—	—	—	—	—	—	—	—
Percentage ...	—	—	—	—	—	—	—	—	—	—	—
Grade III. ...	—	2	—	—	—	—	—	—	—	2	2
Percentage ...	—	0.07	—	—	—	—	—	—	—	0.02	0.01
10. Speech—											
Defective Articulation ...	25	8	9	2	9	3	—	—	43	13	56
Percentage ...	0.93	0.31	0.39	0.09	0.41	0.14	—	—	0.58	0.18	0.38
Stammering ...	4	1	4	—	3	2	—	—	11	3	14
Percentage ...	0.14	0.04	0.17	—	0.13	0.09	—	—	0.14	0.04	0.09

TABLE II.—Continued.

School Medical Service—Systematic Examinations—Continued.

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
11. Mental and Nervous Condition—											
Backward ...	2	5	4	3	1	1	—	—	7	9	16
Percentage ...	0.07	0.19	0.17	0.13	0.04	0.04	—	—	0.09	0.12	0.11
Dull (Intrinsically) ...	5	4	4	1	2	4	—	—	11	9	20
Percentage ...	0.18	0.15	0.17	0.04	0.09	0.18	—	—	0.14	0.12	0.13
Mentally Defective (Educable) ...	—	—	1	3	3	1	—	—	4	4	8
Percentage ...	—	—	0.04	0.13	0.13	0.04	—	—	0.05	0.05	0.05
Mentally Defective (Ineducable) ...	—	—	—	—	—	—	—	—	—	—	—
Percentage ...	—	—	—	—	—	—	—	—	—	—	—
Highly Nervous ...	5	5	2	3	—	—	—	—	7	8	15
Percentage ...	0.18	0.19	0.08	0.13	—	—	—	—	0.09	0.11	0.10
Difficult in Behaviour ...	3	2	1	—	—	—	—	—	4	2	6
Percentage ...	0.11	0.07	0.04	—	—	—	—	—	0.05	0.02	0.04
12. Circulatory System—											
Organic Heart Disease—											
Congenital ...	8	7	7	5	—	4	1	—	16	16	32
Percentage ...	0.29	0.27	0.30	0.23	—	0.18	0.51	—	0.21	0.22	0.22
Acquired ...	3	1	2	5	4	10	1	—	10	16	26
Percentage ...	0.11	0.04	0.07	0.23	0.18	0.46	0.51	—	0.13	0.22	0.18
Functional Conditions ...	29	15	5	3	4	11	—	—	38	29	67
Percentage ...	1.08	0.58	0.21	0.13	0.18	0.51	—	—	0.51	0.41	0.46

TABLE II.—Continued.

School Medical Service—Systematic Examinations.—Continued.

Nature of Defect.	Entrants.		1938		1934		1931		All Ages.		Total at all Ages.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
13. Lungs—											
Chronic Bronchitis	29	24	13	8	4	3	—	—	46	35	81
Percentage	1.08	0.93	0.56	0.36	0.18	0.14	—	—	0.62	0.49	0.56
Suspected Tuberculosis	6	2	5	2	2	—	—	—	13	4	17
Percentage	0.22	0.07	0.21	0.09	0.09	—	—	—	0.17	0.05	0.11
Other Diseases	23	11	11	3	15	7	—	—	49	21	70
Percentage	0.87	0.42	0.48	0.13	0.68	0.32	—	—	0.66	0.29	0.48
14. Deformities—											
Congenital	14	4	4	5	5	3	—	—	23	12	35
Percentage	0.52	0.16	0.17	0.23	0.22	0.14	—	—	0.31	0.17	0.24
Acquired (Infantile Paralysis)	2	3	3	2	1	2	—	—	6	7	13
Percentage	0.07	0.11	0.13	0.09	0.04	0.09	—	—	0.08	0.09	0.09
Acquired (probable Rickets)	24	12	5	2	1	2	—	—	30	16	46
Percentage	0.89	0.45	0.21	0.09	0.04	0.09	—	—	0.40	0.22	0.31
Other Causes	15	9	10	5	19	15	2	—	46	29	75
Percentage	0.56	0.35	0.43	0.23	0.86	0.70	1.02	—	0.62	0.41	0.52
15. Infectious Disease	2	2	2	1	—	1	—	—	4	4	8
Percentage	0.07	0.07	0.07	0.04	—	0.04	—	—	0.05	0.05	0.05
16. Other Diseases or Defects	75	66	48	34	25	33	3	2	151	135	286
Percentage	2.81	2.57	2.09	1.57	1.14	1.54	1.53	1.10	2.05	1.90	1.98

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

Number Examined	Entrants.		1938		1934		1931		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 ...	862	16.47	535	12.02	420	9.71	16	4.26	1833	12.74
(b) Where improvement only is considered possible, e.g., without complete restoration of function ...	109	2.09	156	3.50	180	4.17	11	2.92	456	3.18
Total ...	971	18.56	691	15.52	600	13.88	27	7.18	2289	15.92
Total Number of Children Examined	5233	100.00	4451	100.00	4324	100.00	376	100.00	14,384	100.00

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

<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>
1. Blind	...	...	...	...	—	6	1	7
2. Partially Sighted—								
(a) Refraction errors in which the curriculum of an ordinary school would adversely affect the Eye Condition	...	...	...	...	4	2	—	6
(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	...	...	...	...	55	—	1	56
3. Deaf—								
Grade I.	...	...	...	...	10	—	—	10
Grade II. (a)	...	...	...	...	—	—	—	—
Grade II. (b)	...	...	...	...	—	—	—	—
Grade III.	...	...	...	...	—	43	5	48
4. Defective Speech—								
(a) Defects of Articulation requiring Special Educational Measures	...	...	...	...	87	1	—	88
(b) Stammering requiring Special Educational Measures	...	...	...	...	34	—	—	34

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>
5. Mentally Defective (Children between 5 and 16 Years)—					
(a)	Educable (I.Q., approx. 50-70) ...	57	156	7	220
(b)	Ineducable (I.Q., generally less than 50) ...	—	—	16	16
6. Epilepsy—					
(a)	Mild and Occasional ...	12	1	—	13
(b)	Severe (suitable for care in a Residential School) ...	3	6	2	11
7. Physically Defective (Children between 5 and 16 Years)—					
(a)	Non-Pulmonary Tuberculosis (excluding Cervical Glands) ...	9	9	—	18
(b)	General Orthopaedic Conditions ...	434	31	27	492
(c)	Organic Heart Disease ...	91	4	2	97
(d)	Other Causes of Ill Health ...	6	38	2	46
8. Multiple Defects*	... ..	4	—	—	4

*The Nature of the Multiple Defects in each of the 4 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)

