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INSTITUTE OF SOCIAL
MEDICINE

10, PARKS ROAD,
OXFORD

COUNTY OF BANFF.

THIRTY-FIRST ANNUAL REPORT

ON THE

MEDICAL INSPECTION

AND

SUPERVISION

OF

SCHOOL CHILDREN

For Year Ending 31st July 1947.



COUNTY OF BANFF.

THIRTY-FIRST
ANNUAL REPORT

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AND

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OF

SCHOOL CHILDREN

For Year Ending 31st July 1947.



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**To the Department of Health for Scotland, the Department of
Education for Scotland and the County Council of Banff.**

Ladies and Gentlemen,

I have the honour to submit to you the THIRTY-FIRST ANNUAL REPORT on the Medical Inspection, Supervision and Treatment of School Children in the County of Banffshire for the year ending 31st July, 1947.

Since I recently took up the appointment of School Medical Officer in Banffshire, I have met with an unfailing courtesy and readiness to help from all concerned in this work, and I wish to express my thanks and appreciation to the Director of Education, head and class Teachers and the clerical staff of the Public Health Department for their valuable aid. I wish also to thank H.M. Inspector of Schools in the area for her active interest in School Medical Work and for many helpful suggestions.

Much of the work on which this report is based was done by Dr E. J. Michie, former School Medical Officer, and I have not found it possible personally to cover the whole County. For this reason detailed comment on the findings of the report has not been attempted, but it is hoped that this may be done more fully next year.

The report is in the revised form set out in Part II. of the Appendix to N.M. & C. Circular, No. 60/1938, dated 3rd June, 1938. Appended is a report on the Diphtheria Immunisation Scheme up to June, 1947.

I am, Ladies and Gentlemen,

Your Obedient Servant,

JAS. A. BUCHANAN,
School Medical Officer.

Public Health Offices,
Sandyhill Road,
Banff.

**MEMBERS OF
SCHOOL MEDICAL INSPECTION SUB-COMMITTEE.**

Bailie G. WOOD, Hamewith, Hill Street, Portsoy, Chairman.

Col. Sir G. W. ABERCROMBY, Bart., D.S.O., Forglen House, by
Turriff.

DONALD CORRIGALL, M.A., J.P., Longhope, Rothiemay.

Rev. G. A. M. DICKSON, The Manse, Fordyce, Portsoy.

Provost FALCONER, The Anchorage, Portknockie.

Major J. L. S. FERGUSON, Todhills, By Banff.

GEORGE GRANT of Glenfarclas, Blacksboat, Grantown-on-Spey.

Provost JOHN KEIR, Ardmannoch, Cullen.

R. C. A. McNICOL, Knock Farm, Grange.

Bailie JOHN SCOTT, J.P., 8 Blantyre Terrace, Iainstown.

Bailie THOMAS MOWATT, 40 East Church Street, Buckie.

BANFF COUNTY COUNCIL.

REPORT
ON

THE MEDICAL EXAMINATION, SUPERVISION AND TREATMENT
OF SCHOOL CHILDREN for the year ending 31st July, 1947.

1.—LIST OF STAFF.

(a) Whole Time.†

Medical Officer of Health—

Daniel I. Walker, M.A., M.B., Ch.B., D.P.H.

School Medical Officer and Assistant Medical Officer of Health—

James A. Buchanan, M.B., Ch.B., D.P.H. (appointed 19/2/47).

Dental Surgeon—

K. M. Yorston, L.D.S., R.C.S.Ed.

School Nurse—

Miss H. Greenlaw (appointed 30/9/46).

Clerkesses—

Miss B. Massie.

„ M. Mair.

*†All except the Dental Surgeon have other duties in the
Public Health Department.*

(h) Part Time.

School Oculist—

Duncan Ritchie, M.B., Ch.B., D.O.M.S. (appointed 27/1/47).

School Aural Surgeon (for operative treatment of tonsils and
adenoids)—

E. Godfrey Collins, M.B.; F.R.C.S. (appointed 27/1/47).

School Nurses—

	Name.	Area.
Miss	H. Gloyer	Aberlour.
„	I. Sim	Banff.
*	„ I. Gordon	Boharm.
„	J. M. Milton	Boyndie and Banff Landward.
„	L. C. Ogilvie	} Buckie.
*	„ E. A. Fraser	
*	„ M. Crichton	Cairnie and Grange.
„	A. E. Thomson	Findochty and Rathven (Eastern).
„	A. Roy	Fordyce and Portsoy.
„	M. S. Blackhall	Gardenstown and East Gamrie.
„	E. Miller	Glass and Cabrach.

School Nurses—*Continued.*

Name.	Area.
Mrs M. A. Matheson	Inveravon and Glenlivet.
* Miss A. Stronach	Keith
* " A. R. Kidd	Keith Landward and Botriphnie.
* " M. A. Gregory	Kirkmichael and Tomintoul.
" M. Webster	King-Edward (Dunlugas).
" A. Jack	Knock, Ordiquhill and Rothiemay.
" R. Campbell	Macduff.
" F. Donald	{ Marnoch and neighbouring Parishes.
* " P. Philip	
" M. K. MacPherson ...	Mortlach.
" J. Middleton	Portgordon and Rathven (Western).

* Nurses who took up duty during the current year.

2. GENERAL STATISTICS.

Population of the area 50,800

(Registrar-General's estimate for quarter ending 31.3.47.)

Number of schools—

(a) Primary	{ Under	39
(b) Secondary (Junior)	{ Education	28
(c) Secondary (Senior)	{ Authority	7
(d) (i) Special Schools		—
(ii) Special classes in ordinary schools		—
(e) In receipt of grant from education authority and under medical inspection		1

Number of children on the registers 8945

3.—SANITARY CONDITION OF SCHOOLS.

The sanitary condition of the schools was reviewed in the report for the year ending 31st July, 1946, pages 8 and 9.

The County Architect compiled the following details with regard to the constructional additions, alterations and improvements which have been carried out during the year in the various schools:—

Painter works carried out at the various schools throughout the County.
Limewashing of latrines at the various schools throughout the County, where there is no male janitor.

New latrines at Keith Junior School.

New flat at County Library for Assistant Director of Education

Hall at Keith Grammar School painted throughout.

Latrines at Tomintoul J.S. School (Water Carrying Latrines).

New Water Supply at Glenrinnies P. School.

New Extension at Enzie P. School now completed.

New Extension at Glenlivet P. School now completed.

Asphalte roofs at Braconden P. School Cloakrooms.

Do. do. at Aberchirder J.S. School do.

Do. do. at Sillyearn P. School do.

New Lavatories for Girls at Banff Academy.

New Bathroom and Lavatory at Bogmuchals Schoolhouse.
 Electric Lighting at Banff Academy, in Secondary Department.
 Painter Works and Plumber Works at Rothiemay Schoolhouse.
 Harling Works and Minor Repairs carried out at all schools in the County.

School Canteens.

Kitchen and Dining-room at Buckie High School completed.
 Kitchens are in process of erection at Portgordon, Whitehills, Boyndie, Keith and Banff.

Plans have been made and approved by the Education and Planning Authorities, and approval of the Ministry obtained, for the erection of kitchens at 25 other schools.

4—ORGANISATION AND ADMINISTRATION.

This was reviewed in detail in the report for the year ending 31st July, 1946, pages 9 to 14. The main changes which have occurred during the year are —

A.—Staff.

An appointment of a part-time Aural Surgeon was made for operative treatment of tonsils and adenoids in the Keith and Dufftown area.

Arrangements for the Visits.

In accordance with the provisions of the Education (Scotland) Act, 1946, special notification is given to parents when it is proposed to carry out special examination of children suspected to be mentally defective.

Transference of Medical Record Cards.

Only when a child transfers to a school outside the County is the Medical Record Card sent to the Director of Education for onward transmission. Where a child transfers to a school within the County the card is forwarded direct by the old to the new Headmaster. This procedure is important in making the card immediately available to Head Teachers and the Medical Officer.

B.—Scheme and Extent of Dental Inspection.

It was found that one full time dental surgeon was unable to visit each school in the County once a year and give adequate inspection and treatment. He therefore devoted as much time as was necessary to inspect and complete satisfactory treatment for one school before proceeding to the next.

TREATMENT SCHEMES.

Eye Treatment.

A new part time Oculist was appointed whose address is Limuru, Institution Road, Elgin, where he sees special and urgent cases by appointment.

Tonsil Treatment.

A new part time Aural Surgeon was appointed who operates on Tonsils and Adenoids at Turner Memorial Hospital, Keith, and at the Stephen Hospital, Dufftown.

C.—School Nursing and Arrangements for Following Up.

From August to July the School Nurses made 659 visits to schools when they examined or treated 27,904 children, and 629 visits to homes when they examined or treated 556 children.

D.—Co-ordination with the Public Health Service, and with other Departments of the Authority which render services to children.

(1) The School Medical Officer is also the Assistant Medical Officer of Health for the County which forms a valuable liaison with all other health activities.

(2) The Maternity and Child Welfare Record Cards are forwarded to the whole time School Nurse when the child becomes of school age so that they are available at each school when the entrant group is being examined.

(3) The nurses who visit schools and look after treatment and follow-up arrangements are also District Nurses who have thus a valuable knowledge of the child's home environment and close personal contact with the parents. These nurses are invited to be present during School Medical Inspection visits.

E.—Co-operation with Voluntary Bodies and other Outside Agencies.

Junior Red Cross Links exist in 9 schools, namely :—

No. 50	Forglen School, By Turriff.
No. 52	Blairmaud School, Boyndie.
No. 53	Brodiesord School, Cornhill.
No. 56	Alvah Public School, By Banff.
No. 527	The Infant School, Macduff.
No. 698	High School, Aberchirder.
No. 743	Inverkeithny School, By Huntly.
No. 846	The High School, Macduff.
No. 863	Easterfield School.

and those do valuable work by poster propaganda, example and precept of the members and simple theoretical and practical teaching in hygiene.

F.—Co-operation with Teachers and Parents, with special reference to the attendance of parents at inspections, the formation of parent-teacher associations and general health propaganda in schools.

Parents are invited to be present on the occasion of the School Medical Officer's visit and head teachers are asked to make this invitation particularly warm.

On the occasion of his visit the School Medical Officer personally contacts all teachers in the school and discusses particular children with them and such general matters as seating, lighting, heating, ventilation, feeding, sanitary and playground arrangements and their effect on the child's health and general efficiency.

230 parents were present at the routine examinations and 63 attended with special cases.

5.—THE FINDINGS OF MEDICAL INSPECTION.

A.—General Review:—

(1) Clothing.

2031 children were examined systematically and none were found to have insufficient clothing.

Among the specials 2 were found to have unsatisfactory clothing.

(2) Footgear.

2031 children were examined systematically and 3 or .15% were found to have unsatisfactory footgear. There were 2 special cases with unsatisfactory footgear.

(3) Uncleanliness (Head and Body).

2031 children were examined systematically, and 78 or 3.8% were found to have unclean conditions of the head, and 2 or .09% to have unclean conditions of the body.

There were 218 special cases with head nits or vermin, and 8 with vermin on the body.

(4) Skin (Head and Body).

2031 children were examined systematically with regard to skin condition and the following cases were found:—

(a) Head.

Ringworm	—	or	—
Impetigo	5	or	.25%
Other diseases	5	or	.25%

(b) Body.

Ringworm	—	or	—
Impetigo	9	or	.44%
Scabies	41	or	2.0%
Other diseases	15	or	.74%

Special Cases.

Among the special cases, Ringworm was found on the body of 4 children, impetigo on the head of 6 and on the body of 7, and scabies on 72 children. There were 7 cases of other head conditions and 30 of other body conditions.

Other diseases include cases of alopecia, ichthyosis, seborrhoea, dermatitis, eczema, urticaria, psoriasis, acne vulgaris, prurigo and furunculosis.

(5) Nutrition.

There were 11 cases, or .54%, with slightly defective nutrition found during the Routine inspections, and 4 cases amongst the specials.

(6) Mouth and Teeth.

2031 children were examined systematically, and 233 or 11.4% were found with unhealthy conditions of the mouth and teeth. In the Entrant group only such cases as Dental Abscess, &c., were noted. There were 106 special cases with unhealthy conditions of the mouth and teeth.

(7) Naso Pharynx.

2031 children were examined systematically, and the following defects were found:—

(a) Nose:

(1) Obstruction requiring observation	16	or	.79%
(2) Obstruction requiring operative treatment	—	or	—
(3) Other conditions (mostly catarrh)	17	or	.84%

(b) Throat:

(1) Tonsils requiring observation	261	or	12.9%
(2) Tonsils requiring operative treatment	93	or	4.6%

(c) Glands:

(1) Requiring observation	142	or	7.0%
(2) Requiring operative treatment	—	or	—

Special Cases—**(a) Nose:**

(1) Obstruction requiring observation	27
(2) Obstruction requiring operative treatment	1
(3) Other conditions	18

(b) Throat:

(1) Tonsils requiring observation	415
(2) Tonsils requiring operative treatment	120

(c) Glands:

(1) Requiring observation	173
(2) Requiring operative treatment	2

(8) Eyes.

2031 children were examined systematically and 14 or .69% were found with blepharitis, 1 or .05% with conjunctivitis, 2 or .09% with opacities, 32 or 1.6% with strabismus, and 4 or .19% with other diseases. Other diseases included cases of nystagmus, nebulae, and cataract.

85 or 4.2% were recommended for refraction.

38 or 1.9% were wearing spectacles.

864 children were examined for visual acuity, and 45 or 5.2% were found with fair vision, and 20 or 2.3% with bad vision.

Among the special cases there were 18 with blepharitis, 3 with conjunctivitis, 7 with corneal opacities, 45 with strabismus, and 16 with other diseases, 208 were wearing spectacles, 230 had fair vision, and 106 had bad vision.

(9) Ears.

2031 children were examined systematically, and 8 or .39% were found to have otorrhoea, and 4 or .19% to have other diseases.

The following cases of defective hearing were found:—

Grade I.	64	or	3.1%
Grade II. (a)	2	or	.09%
Grade II. (b)	—	or	—
Grade III.	—	or	—

Among the Special Cases, 15 had otorrhoea, 7 had other diseases, and the following had defective hearing:—

Grade I.	67
Grade II. (a)	10
Grade II. (b)	1
Grade III.	1

(10) Speech.

2031 children were examined systematically, and 28 or 1.4% were found with defective articulation, and 5 or .25% with stammer.

There were 57 cases with defective speech and 4 with stammer among the Special Cases.

(11) Mental and Nervous Condition.

2031 children were examined systematically, and the following cases were found:—

(a) Backward (due to irregular attendance, absence or other extrinsic cause)	5	or	.25%
(b) Dull (intrinsically)	33	or	1.6%
(c) Mentally defective (educable)	6	or	.30%
(d) Mentally defective (uneducable)	—	or	—
(e) Highly nervous or unstable	3	or	.15%
(f) Difficult in behaviour	1	or	.05%

Specials.

(a) Backward	9
(b) Dull	66
(c) Mentally defective (educable)	14
(d) Mentally defective (uneducable)	1
(e) Highly nervous or unstable	4
(f) Difficult in behaviour	4
(g) Cases brought to the notice of the Education Authority only	12

(12) Circulatory System.

2031 children were examined systematically, and the conditions found were:—

(a) Organic heart disease:	
(1) Congenital	1 or .05%
(2) Acquired	2 or .09%
(b) Functional conditions	14 or .69%

Specials.

(a) Organic heart disease:—	
(1) Congenital	5
(2) Acquired	11
(b) Functional conditions	17

(13) Lungs.

2031 children were examined systematically, and the conditions found were:—

(a) Chronic bronchitis	2 or .09%
(b) Suspected tuberculosis	— or —
(c) Other diseases	9 or .44%

Specials.

(a) Chronic bronchitis	6
(b) Suspected tuberculosis	1
(c) Other diseases	13

(14) Deformities.

2031 children were examined systematically, and the following conditions were found:—

(a) Congenital	5	or	.25%
(b) Acquired (infantile paralysis)	4	or	.19%
(c) Acquired (probable rickets)	1	or	.05%
(d) Acquired (other causes)	8	or	.39%

Specials.

(a) Congenital	20
(b) Acquired (infantile paralysis)	9
(c) Acquired (probable rickets)	1
(d) Acquired (other causes)	17

(15) Infectious Diseases.

Amongst routines there were 11 cases of infectious disease or .54% (whooping cough 7, chicken pox 4). Among the specials there were 3 cases of chicken pox.

(16) Other Diseases or Defects.

2031 children were examined systematically, and 37 or 1.8% were found with other diseases or defects. This number included cases of Enlarged Thyroid (12), Anaemia (8), Enuresis (7), Hernia (2), Cystitis (1), Fracture (1), Juvenile Rheumatoid Arthritis (1), Hydrocele (1), Lipoma (1), Fröhlich's Syndrome (1), Petit-Mal (1), Osteomyelitis (1).

There were 80 special cases with other diseases or defects. This number included cases of Anæmia (16), Enuresis (20), Hernia (8), Enlarged Thyroid (10), Rheumatism (1), Epilepsy (3), Abdominal pain (1), Hydrocele (1), Burn (2), Sprain (2), Cyst (2), Fracture (2), Diabetes (2), Synovitis (1), Septic Conditions (8), Osteomyelitis (1).

(17) Average Heights and Weights.

Boys.				Girls.			
Age.	Total No. Measured.	Inches.	Lbs.	Age.	Total No. Measured	Inches.	Lbs.
5 ⁷	571	42.8	43.3	5 ⁷	596	42.3	41.4
13 ⁷	385	58.6	93.8	13 ⁶	389	57.8	93.4
16 ⁶	41	66.4	131.9	16 ⁷	49	62.3	120.0

B.—Statistical Tables.

These tables are placed at the end of the Report, pages 17 to 24.

6.—MEDICAL TREATMENT.**A. Minor Ailments (at Buckie School Clinic).**

	Number of Children who received treatment Under Education Committee Scheme.
(1) Cuts, bruises, sprains, minor injuries, etc.	566
(2) Diseases of ear	5
(3) Diseases of the eye, excluding defective vision	13
(4) Diseases of the skin—	
Ringworm (Scalp)—	
X-Ray treatment	—
Other treatment	—
Ringworm (Body)	—
Scabies	172
Impetigo	140
Other diseases	—

B. Defective Vision and Squint.

Treated under Education Committee's Scheme	234
Number of children provided with spectacles under Committee's Scheme	77
Number of children provided with spectacles otherwise ...	11
3 children with squints were treated by operation.	

C. Nose and Throat (Operative Treatment).

Treated under Education Committee's Scheme	79
Treated otherwise (as far as could be ascertained)	21

**D. Orthopaedic and Postural Defects.
(Specialist Treatment).**

The County Council gives a Grant to the Cripples Welfare Association (North-East Region) and cases are recommended to the Orthopaedic Clinics held in Banff and Keith.

80 children between 5-16 years had advice, etc., at these clinics.

7.—DENTAL INSPECTION AND TREATMENT.

The number of schools inspected was 29. The number of children in which treatment was refused was 633. See Table V., Page 23, for details regarding dental treatment.

8.—SPECIAL SCHOOLS AND CLASSES:—**(a) Physically Defective Children :**

4 children in Woodend Hospital, Aberdeen, with surgical tuberculosis are receiving a modified education in hospital.

2 children are being provided with special tuition in their homes.

(b) Blind and Partially Sighted Children :

Five Blind children attend the Royal Blind School, Edinburgh.

(c) Deaf, Partially Deaf and Deaf-Mute Children :

There are 8 children in special schools.

(d) Mentally Defective Children :

There are 3 children in special schools.

(e) Retarded Children (Dull) :

These children are taught in the ordinary school.

There are no special schools in the county, and suitable children are sent to special schools outwith the county as occasion arises.

9.—ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE.

A.—Accommodation for Physical Exercise in School and Playground.

These were reviewed in the report ending 31st July 1946.

B.—Swimming Baths.

Children from Macduff High School attended in organised parties at Tarlair Swimming Pool, transport being provided, when instruction in swimming was given by a qualified pondmaster. 35 awards of the Royal Life Saving Certificate have been gained by those children.

E.—Practical Instruction in Personal and Communal Hygiene.

At each school visit the Medical Officer gives a simple talk on personal and communal hygiene to the children during his class room visits.

Domestic Science teachers by posters on food values and insistence on personal cleanliness do valuable work.

Red Cross Links where they exist in schools are doing good work as educators in hygiene.

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

Several teachers are connected with Youth Organisations, such as the Boy Scouts, Girl Guides and Boys' Brigade which meet in the School Premises, and instruction in health matters are given as part of their organised activities through their teacher leaders.

Forms were completed for 91 children in respect of the investigation carried out by The Scottish Council for Research in Education-Sociological Survey.

Meals and Milk.

During Session 1946-47 the general position in the County was:—

Type of Meal.	No. of Schools at which provision made.
Dinners (two courses)	7
Lunches (bread and butter, cheese and milk)	5
Soup Meals (soup and bread)	8
Light Meals (cocoa, etc.)	41
Schools at which no special provision is made	13
Total number of Schools.....	74

Milk—

T.T. Milk	64 Schools
Non-designated	3 „
Dried Milk only	7 „
	74 „

TABLE I.

Total number of children examined at:—

	(a) Systematic Examinations.	Other Systematic Examinations.
Ordinary Schools		
Entrants	1167	55
Second Age Group	—	—
Third Age Group	774	14
Fourth Age Group	90	2
Total	2031	71

(b) Other examinations:—

Special cases	3069
Re-inspections by Medical Officer	325
Total	3394

As it was not found possible to overtake the routine medical inspection of the intermediate (Group 2), class-room inspection was carried out. Each child, however, was examined for scabies, &c., and had vision and hearing tests.

Number of *individual* children inspected at systematic examinations, who were notified to parents as requiring treatment (excluding uncleanness and dental caries):—

Entrants	93
Third Age Group	62
Fourth Age Group	7
Other systematic examinations	3
Total	165

TABLE II.

Return of the number and percentage of individual children in each age-group suffering from particular defects:—

Nature of Defect	Total Examined at all ages	Entrants		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1. Clothing unsatisfactory	2031	—	—	—	—	—	—	—	—
2. Footgear unsatisfactory	„	1	1	1	—	—	—	2	1
		·18	·17	·26				·20	·09
3. Cleanliness—									
(a) Head :	„	11	45	—	20	1	1	12	66
		1·9	7·6		5·1	2·4	2·0	1·2	6·4
(b) Body :	„	1	1	—	—	—	—	1	1
		·18	·17					·10	·09
4. Skin—									
(a) Head Ringworm	„	—	—	—	—	—	—	—	—
Impetigo	„	3	2	—	—	—	—	3	2
		·53	·34					·30	·19
Other Diseases	„	2	2	—	1	—	—	2	3
		·35	·34		·26			·20	·29
(b) Body :									
Ringworm	„	—	—	—	—	—	—	—	—
Impetigo	„	4	3	1	1	—	—	5	4
		·72	·50	·26	·26			·50	·39
Scabies	„	15	19	6	1	—	—	21	20
		2·6	3·2	1·6	·26			2·1	1·9
Other Diseases	„	4	5	3	3	—	—	7	8
		·72	·84	·79	·79			·70	·77
5. Nutritional state									
Slightly defective	„	4	5	1	1	—	—	5	6
		·72	·84	·26	·26			·50	·58
Bad	„	—	—	—	—	—	—	—	—
6. Mouth and teeth unhealthy	„	7	9	98	105	4	10	109	124
		1·2	1·5	25·5	26·9	9·8	20·4	10·9	12·0
7. Naso Pharynx—									
(a) Nose :									
(1) Obstruction requiring observation	„	7	5	3	1	—	—	10	6
		1·2	·84	·79	·26			1·0	·58
(2) Obstruction (probably adenoids) requiring operative treatment	„	—	—	—	—	—	—	—	—
(3) Other conditions	„	5	9	2	1	—	—	7	10
		·90	1·5	·52	·26			·70	·97
(b) Throat :									
(1) Tonsils requiring observation	„	110	122	20	7	2	—	132	129
		19·3	20·5	5·2	1·8	4·9		13·2	12·4

TABLE II.—*Continued.*

Nature of Defect	Total Ex- amined at all ages	Entrants		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
(2) Tonsils requiring operative treatment	2031	32 5.6	36 6.1	19 5.0	6 1.5	—	—	51 5.1	42 4.1
(c) Glands :									
(1) Requiring observation	"	61 10.7	68 11.4	6 1.6	7 1.8	—	—	67 6.7	75 7.3
(2) Requiring operative treatment	"	—	—	—	—	—	—	—	—
8. Eyes—									
(a) External Diseases :									
Blepharites	"	5 .90	4 .67	1 .26	3 .79	—	1 2.0	6 .60	8 .77
Conjunctivitis	"	1 .18	—	—	—	—	—	1 .10	—
Corneal Opacities	"	—	1 .17	—	1 .26	—	—	—	2 .19
Strabismus	"	14 2.5	13 2.2	2 .52	3 .79	—	—	16 1.6	16 1.5
Other Diseases	"	1 .18	1 .17	1 .26	1 .26	—	—	2 .20	2 .19
(b) Visual Acuity :	864								
Fair Vision	"	—	—	14 3.6	28 7.2	1 2.4	2 4.1	15 3.5	30 6.8
Bad Vision	"	—	—	7 1.8	11 2.8	—	2 4.1	7 1.6	13 3.0
Glasses Worn	2031	5 .90	5 .84	6 1.6	17 4.4	1 2.4	4 8.2	12 1.2	26 2.6
(c) Recommended for Refraction	"	7 1.2	6 1.0	33 8.6	34 8.7	2 4.9	3 6.1	42 4.2	43 4.2
9. Ears—									
(a) Diseases :									
Otorrhoea	"	3 .53	2 .34	2 .52	1 .26	—	—	5 .50	3 .29
Other Diseases	"	1 .18	—	2 .52	1 .26	—	—	3 .30	1 .09
(b) Defective Hearing :									
Grade 1	"	11 1.9	18 3.0	14 3.6	17 4.4	2 4.9	2 4.1	27 2.8	37 3.6
" 2a	"	—	—	2 .34	—	—	—	2	—
" 2b	"	—	—	—	—	—	—	—	—
" 3	"	—	—	—	—	—	—	—	—
10. Speech—									
Defective articulation	"	17 2.9	9 1.5	2 .52	—	—	—	19 1.9	9 .87
Stammering	"	2 .35	—	3 .79	—	—	—	5 .50	—

TABLE II.—*Continued.*

Nature of Defect	Total Ex- amined at all ages	Entrants		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
11. Mental and Nervous Condition—									
(a) Backward, due to irregular attend- ance, absence or other extrinsic cause	2031	—	—	2	3	—	—	2	3
				.52	.79			.20	.29
(b) Dull (intrinsically)	„	2	—	20	11	—	—	22	11
		.35		5.2	2.8			2.2	1.0
(c) Mentally Defective (educable)	„	—	—	3	3	—	—	3	3
				.79	.79			.30	.29
(d) Mentally Defective (ineducable)	„	—	—	—	—	—	—	—	—
(e) Highly Nervous or Unstable	„	1	2	—	—	—	—	1	2
		.18	.34					.10	.19
(f) Difficult in Behaviour	„	1	—	—	—	—	—	1	—
		.18						.10	
12. Circulatory System—									
(a) Organic Heart Disease:									
(1) Congenital	„	—	1	—	—	—	—	—	1
			.17						.09
(2) Acquired	„	—	—	1	1	—	—	1	1
				.26	.26			.10	.09
(b) Functional conditions	„	2	2	3	7	—	—	5	9
		.35	.34	.79	1.8			.50	.87
13. Lungs—									
Chronic Bronchitis	„	1	—	1	—	—	—	2	—
		.18		.26				.20	
Suspected Tuberculosis	„	—	—	—	—	—	—	—	—
Other Diseases	„	5	4	—	—	—	—	5	4
		.90	.67					.50	.39
14. Deformities—									
(a) Congenital	„	2	1	1	—	—	1	3	2
		.35	.17	.26			2.0	.30	.19
(b) Acquired (Infantile Paralysis)	„	—	2	2	—	—	—	2	2
			.34	.52				.20	.19
(c) Acquired (Probable Rickets)	„	1	—	—	—	—	—	1	—
		.18						.10	
(d) Acquired (Other Causes)	„	2	3	—	2	1	—	3	5
		.35	.50		.52	2.4		.30	.48
15. Infectious Disease	„	7	4	—	—	—	—	7	4
		1.2	.67					.70	.39
16. Other Diseases or Defects	„	11	13	8	3	—	2	19	18
		1.9	2.2	2.1	.79		4.1	1.9	1.7

TABLE III.
Systematic Medical Examinations.

Classification	Entrants.			3rd Age Group		4th Age Group		TOTAL.
	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group
1. Children free from defects . . .	861	73.8	390	50.4	60	66.7	1311	64.5
2. Children (otherwise free from defects) who suffer from—								
(a) Defective vision not worse than 6/12 in the better eye with or without glasses; or	—	—	50	6.5	5	5.6	55	2.8
(b) Conditions of the mouth and teeth requiring treatment . . .	16	1.4	193	24.9	12	13.4	221	10.9
(c) Both (a) and (b) . . .	—	—	10	1.3	2	2.2	12	0.6
TOTAL . . .	16	1.4	253	32.6	19	21.1	288	74.2
3. Children suffering from ailments (other than those mentioned in 2) from which complete recovery is anticipated within a few weeks . . .	200	17.1	67	8.6	3	3.3	270	13.3
4. Children suffering from (or suspected to be suffering from) defects 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;	77	6.6	37	4.8	4	4.4	118	5.8
(b) Where improvement only is considered possible, e.g. without complete restoration of function	13	1.1	27	3.5	4	4.4	44	2.1
TOTAL . . .	90	7.7	64	8.3	8	8.9	162	7.9
Total number of children examined . . .	1167	100 %	774	100%	90	100%	2031	100%

TABLE IV.

Return of all Exceptional Children of School Age in the Area.

Disability.	At Ordinary Schools.	At Special Schools or Classes.	At no School or Institution.	Total.
1. Blind	—	1	—	1
2. Partially sighted :—				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	—	2	—	2
(b) Other conditions of the eye, e.g., 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	4	2	—	6
3. Deaf :—				
Grade I.	131	—	—	131
Grade IIa.	12	—	—	12
Grade IIb.	1	—	—	1
Grade III.	1	8	2	11
4. Defective Speech :—				
(a) Defects of articulation requiring special educational measures	—	—	1	1
(b) Stammering requiring special educational measures	1	—	—	1
5. Mentally defective — (Children between 5 and 16 years)—				
(a) Educable (I.Q. approx. 50-70)	20	3	16	39
(b) Uneducable (I.Q. generally less than 50)	1	5	19	25
(c) Case brought to the notice of the Education Authority only	12	—	—	12
6. Epilepsy :—				
(a) Mild and occasional	7	—	—	7
(b) Severe (suitable for care in a residential school)	—	—	—	—

TABLE IV.—Continued.

Disability.	At Ordinary Schools.	At Special Schools or Classes.	At no School or Institution.	Total.
7. Physically defective — (Children between 5 and 16 years) :—				
(a) Non-pulmonary tuberculosis (excluding cervical glands)	12	—	—	12
(b) General orthopaedic conditions	62	—	2	64
(c) Organic heart disease	32	—	2	34
(d) Other causes of ill-health	9	—	1	10
8. Multiple defects :—				
(a) 2(b), 5(a) and 7(b)	—	1	—	1
(b) 3.I. and 5(a)	1	—	—	1
(c) 3.I. and 7(a)	1	—	—	1
(d) 3.I. and 7(c)	1	—	—	1
(e) 3.I. and 7(d)	1	—	—	1
(f) 4(a), 5(a) and 7(b)	—	—	1	1
(g) 4(a) and 7(b)	2	—	—	2
(h) 5(a) and 6(a)	—	1	—	1
(i) 5(a) and 6(b)	—	—	1	1
(j) 5(a) and 7(c)	—	—	1	1
(k) 5(b) and 6(b)	—	—	2	2
(l) 5(b), 6(b) and 7(b)	—	—	1	1
(m) 7(b) and 7(d)	1	—	—	1

TABLE V.

Dental Inspection and Treatment.

Number of children who were:—

(1) Inspected by the dental officer:—

	Systematic examinations
5	292
6	343
7	363
8	386
9	356
10	344
11	377
12	296
13	333
14	122
15	54
Over	26
Total	3292
(2) Found to require treatment	1941
(a) Accepting treatment	1308
(3) Actually treated by the school dental officer ...	1259
(d) Number of attendances made by children for treatment	1492
(5) Fillings—	
(a) Permanent teeth	831
(b) Temporary teeth	250
(6) Extractions—	
(a) Permanent teeth	128
(b) Temporary teeth	1024
(7) Number of administrations of a general anæsthetic for extractions	—
(8) Other operations—	
(a) Permanent teeth	158
(b) Temporary teeth	33
(9) Half-days devoted to inspection	85
Half days devoted to treatment	295
(10) Number of children treated under private arrangements	—

BANFF COUNTY COUNCIL.

DIPHTHERIA IMMUNISATION TO JUNE 1947.

Artificial active immunisation of school and pre-school children, for whom consent was received, was continued free of charge from July 1946 to June 1947. All children from 9 months of age up to school leaving age were embraced, and re-immunisation was also carried out, though in the latter case one dose was regarded as sufficient. No Schick testing, either preliminary or post-injection, was carried out.

Alum Precipitated Diphtheria Toxoid supplied by the Department of Health was used as the immunising agent. Where a parent wished the inoculations given by the family doctor, the A.P.T. was supplied to him free of charge, the parent paying the doctor's fee. In some cases the doctor was paid a fee of 2s 6d per injection by the Local Authority. These were usually cases under the care of the Education Authority or Social Welfare Department.

The numbers inoculated were:—

Immunised Children	634
Re-Immunised Children	491

Particulars are shown in the Table, Return of Immunisation.

Re-actions.

A number of children had slight re-actions, and a few had fairly severe re-actions. It was noted that, generally speaking, older children who were being re-immunised showed rather a more marked re-action.

Incidence.

The number of notified cases of diphtheria from July 1946 to June 1947 inclusive was 1. She had been immunised 5 years previously.

Mortality.

There were no deaths from diphtheria in the same period.

The following shows the number of children immunised and the number receiving maintenance inoculations since the Diphtheria Immunisation Scheme commenced in 1941:—

Date.	No. Immunised.	No. Receiving Maintenance Inoculations.
1941-42	10,748	354
1942-43	1,195	31
1943-44	987	7
1944-45	619	1,201
1945-46	635	1,349
1946-47	616	491

DIPHTHERIA

Return of Immunisation, Cases and Deaths in respect of period
1st July 1946 to 30th June 1947, according to year of birth.

Year of Birth of persons	Number of new immunisations completed during period.	Number of maintenance inoculations given during period.	Immunised Persons		Non-Immunised Persons	
			(a) Confirmed cases of diphtheria during period.	(b) Diphtheria deaths during period.	(a) Confirmed cases of diphtheria during period.	(b) Diphtheria deaths during period.
	(1)	(2)	(3)	(4)	(5)	(6)
1947	—	—	—	—	—	—
1946	18	—	—	—	—	—
1945	127	—	—	—	—	—
1944	121	—	—	—	—	—
1943	80	—	—	—	—	—
1942	38	20	—	—	—	—
1941	52	87	—	—	—	—
1940	41	116	—	—	—	—
1939	47	64	—	—	—	—
1938	36	48	—	—	—	—
1937	26	48	—	—	—	—
1936	17	23	—	—	—	—
1935	14	12	—	—	—	—
1934	9	26	—	—	—	—
1933	5	28	—	—	—	—
1932	3	15	—	—	—	—
1931	—	4	—	—	—	—
1930 or earlier	—	—	1	—	—	—
Total	634	491	1	Nil	Nil	Nil





