

[Report 1920] / School Medical Officer of Health, Southport County Borough.

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Southport (England). County Borough Council.

Publication/Creation

1920

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COUNTY BOROUGH OF SOUTHPORT.

EDUCATION COMMITTEE.

TWELFTH ANNUAL REPORT

ON THE

MEDICAL INSPECTION OF
SCHOOL CHILDREN,

FOR THE YEAR 1920.

BY

G. C. BARNES, D.P.H.,

SCHOOL MEDICAL OFFICER.

SOUTHPORT:

J. J. RILEY, PRINTER, "GUARDIAN" OFFICE, 267 LORD STREET

1921.

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Clerks	THREE.

TO THE CHAIRMAN AND MEMBERS OF THE EDUCATION COMMITTEE.

In presenting his Report for the year 1920 the School Medical Officer is glad to be able to say that the School Medical Department and its arrangements maintain a satisfactory standard.

A new system of getting children to the Dental Clinic has been instituted with good results and inspection of the children at the schools shows clearly the general improved condition of their teeth. A number of children still continue to avoid treatment, there being no sufficient or convenient measures of compelling treatment. Should the Children Act, 1908, be invoked in a bad case, the result is quite unsatisfactory. It will be noted that of the 952 cases not treated, about two-thirds (624) were Dental cases.

The appointment of a Skin Specialist has been amply justified by the results obtained.

19th March, 1921.

SCHOOL BUILDINGS.

There are eighteen Elementary Schools in the area. With the exception of two, these are of the Central Hall type or variations of this type.

The Ventilation in many of the schools is not satisfactory. In some cases this could be improved by small alterations, such as increasing the number of "hopper" windows. The exchange of air can always be assisted by full use of the means of ventilation provided whatever they are. In the intervals between lessons all openings should be thrown wide.

LIGHTING.

Natural Lighting is also poor in many of the schools or classrooms. As far as possible the main light is on the left of the scholar, but in some of the classrooms this is impossible. Artificial lighting is indifferent throughout the schools and in its present state serves really as a makeshift only.

WARMING.

On the whole is fairly satisfactory. In a small number of schools the heating system is aided by gas radiators. These are unsatisfactory owing to the fumes which are given off from the gas, being a recognised cause of headache and affecting the throat.

DESKS.

Many desks in use are of the old pattern and unsuitable. It has been noticed in this connection that scholars are liable to adopt unnatural positions, crouching over the desks when writing.

SANITATION.

The type of Closet in use is with one exception the Trough Closet with a flushing cistern, in some cases automatic, in others dependent upon the caretaker to carry out the flushing. One school is equipped with up-to-date water closets, each having its own flushing cistern with a chain release. It has been said that this type proves unsuitable in schools owing to the fact that scholars do not take the trouble to pull the chain after use. In the school where this method is in use, the conditions of the offices were observed to be excellent, no trouble in working is experienced. From the point of view of education this type is to be recommended.

CLEANLINESS OF SCHOOLS.

Good, with one or two exceptions. The method of "dry" brushing which is carried on each day in some cases is unsatisfactory. Brushing with damp sawdust or other dust-catching material is a satisfactory method.

CLOAKROOMS.

This part of the school building is often totally inadequate and wrongly constructed. The number of pegs in many cases is insufficient, the pegs are too close together. There is an attempt in one or two cases to heat these rooms, but usually there is no system of warming or drying the clothes.

WATER SUPPLY

In all schools is derived from the Corporation supply. A few mugs are kept for drinking purposes, in some cases these are chained metal mugs. This method has been blamed as a mode of conveying infection from one child to another.

GENERAL REVIEW OF THE FACTS DISCLOSED BY THE MEDICAL INSPECTION.

PROPORTION OF CHILDREN ACTUALLY INSPECTED.

Out of 2875 children placed on the list for inspection, 90.6 per cent. were inspected; 2.1 per cent. of parents declined to have their children inspected; 27.7 per cent. of the parents attended the inspection of their children.

PREVIOUS DISEASE.

The common febrile disorders of childhood had affected the children according to the following percentages:—Measles, 62.2 per cent.; Whooping Cough, 35.4 per cent.; Chicken Pox, 25.9 per cent.; Scarlet Fever, 5.3 per cent.; Diphtheria, 1.3 per cent.; Mumps, 2.6 per cent.; Rheumatism, 0.5 per cent.

VACCINATION.

51.3 per cent. were unvaccinated, the greater part of the deficiency occurring amongst the infants. In addition, 0.2 per cent., though said to have been vaccinated, had no cicatrices.

Percentage of Infants (under 6 years of age) found unvaccinated
during the last Eleven Years.

	Boys.	Girls.
1910	8.3	9.1
1911	4.2	4.7
1912	23.9	21.8
1913	44.0	45.4
1914	50.8	55.7
1915	53.6	49.6
1916	55.6	50.4
1917	60.2	57.5
1918	63.4	63.6
1919	68.8	67.1
1920	68.5	66.7

HEIGHT AND WEIGHT.

A comparison of the weights of the Local Children with those in Tuxford and Ashley Glegg's Tables shows in favour of the former. The weights of Local Girls in Elementary Schools, aged 14, are interesting; they doubtless indicate that the selected children have, by that age, left the Elementary Schools either for Secondary School or for some paid employment. The effect of the advance in the age at which a child may leave will be watched with interest.

Table A (1) shows the average heights and weights according to "age last birthday"; and Table A (2) the heights and weights corrected to end of completed year of life.

TABLE A.—ALL SCHOOLS, SOUTHPORT.

(1) Average Heights and Weights. (Age last birthday.)

BOYS.					
No.	Age last Birth- day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
45...	3	3	2.1	96.7	2—6.2 15.51
81...	4	3	3.5	100.3	2—8.5 16.56
146...	5	3	6.4	107.7	2—12.8 18.51
61...	6	3	9.2	114.8	3—2.7 20.28
198...	7	3	10.9	119.1	3—8.2 22.77
190...	8	4	0.3	122.7	3—10.2 23.68
27...	9	4	2.9	129.3	4—2.6 26.58
31...	10	4	4.7	133.8	4—9.6 29.75
214...	11	4	7.7	141.5	4—13.0 31.30
190...	12	4	7.0	139.7	5—2.0 32.60
143...	13	4	10.0	147.3	5—12.2 37.28
35...	14	5	0.2	152.8	6—8.6 42.00
8...	15	5	1.5	156.4	6—12.2 43.64

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GIRLS.					
No.	Age last Birth- day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
28...	3	3	1.3	94.8	2—6.2 15.51
68...	4	3	3.3	99.8	2—7.2 15.97
141...	5	3	5.8	106.2	2—10.8 17.60
83...	6	3	8.3	112.5	3—1.4 19.69
209...	7	3	10.2	117.4	3—5.6 21.59
175...	8	3	11.6	120.9	3—7.7 22.54
27...	9	4	1.9	126.7	4—0.2 25.49
32...	10	4	7.7	141.5	4—3.2 26.86
217...	11	4	6.3	137.9	4—12.6 31.12
173...	12	4	8.5	143.5	5—2.0 32.60
77...	13	4	10.8	149.4	6—1.7 38.84
7...	14	4	7.6	141.2	5—3.1 33.16

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DR. TUXFORD AND DR. ASHLEIGH CLEGG'S TABLE OF ENGLISH ELEMENTARY SCHOOL CHILDREN.

BOYS.					
No.	Age last Birth- day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
9388	3	3	0.4	92.4	2—4.8 14.86
24047	4	3	2.7	98.2	2—7.9 16.29
65438	5	3	4.5	103.0	2—10.7 17.54
20554	6	3	6.5	108.0	3—0.6 19.33
37515	7	3	9.2	114.7	3—4.7 21.20
9684	8	3	11.0	119.3	3—8.4 22.86
7873	9	4	1.1	124.7	3—13.4 25.12
21579	10	4	2.9	129.4	4—4.4 27.42
5084	11	4	4.8	134.2	4—5.6 29.93
37230	12	4	7.0	139.8	5—2.9 33.05
52232	13	4	8.1	142.5	5—7.5 35.15
4342	14	4	9.9	147.1	6—0.1 38.15

GIRLS.					
No.	Age last Birth- day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
8478	3	3	0.1	91.6	2—3.8 14.44
21362	4	3	2.6	98.1	2—6.9 15.82
63825	5	3	4.4	102.6	2—9.6 17.07
21238	6	3	6.4	107.6	2—13.0 18.58
36477	7	3	8.8	113.9	3—3.2 20.50
10214	8	3	10.3	117.6	3—6.9 22.19
8138	9	4	0.7	123.7	3—12.6 24.75
21017	10	4	3.1	129.8	4—2.9 26.71
5129	11	4	4.5	133.5	4—9.9 29.59
36577	12	4	6.6	138.7	5—3.9 33.51
50717	13	4	8.8	144.5	5—10.1 36.31
3702	14	4	10.7	149.0	6—3.7 39.81

A. (2) Average Heights and Weights corrected to end of Completed Year of Life. (Southport.)

BOYS.						
No.	Age.	Ft.	Ins.	Cms.	St. Lbs.	Kilos.
12...	3	...	3—0.7	...	93.2	...
79...	4	...	3—2.8	...	98.5	...
123...	5	...	3—5.2	...	104.7	...
103...	6	...	3—8.1	...	112.0	...
89...	7	...	3—10.3	...	117.6	...
290...	8	...	3—11.5	...	120.7	...
37...	9	...	4—2.0	...	127.0	...
32...	10	...	4—4.1	...	132.3	...
78...	11	...	4—5.7	...	136.4	...
306...	12	...	4—6.8	...	139.2	...
111...	13	...	4—9.3	...	145.6	...
87...	14	...	4—10.7	...	149.1	...
20...	15	...	5—1.0	...	155.0	...
2...	16	...	5—3.4	...	161.0	...

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GIRLS.						
No.	Age.	Ft.	Ins.	Cms.	St. Lbs.	Kilos.
11...	3	...	3—0.5	...	92.7	...
46...	4	...	3—1.9	...	96.2	...
119...	5	...	3—4.5	...	102.9	...
117...	6	...	3—7.3	...	110.6	...
106...	7	...	4—6.3	...	137.9	...
276...	8	...	3—10.9	...	119.1	...
47...	9	...	4—1.3	...	125.2	...
24...	10	...	4—3.1	...	129.8	...
98...	11	...	4—5.4	...	135.6	...
288...	12	...	4—6.9	...	139.4	...
49...	13	...	4—9.4	...	145.8	...
56...	14	...	4—11.3	...	150.6	...

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RINGWORM.

Three cases were encountered at the inspection.

With 109 cases discovered in other ways, chiefly by teachers or in the course of Inspection under the Children Act, and 40 cases brought forward uncured at the end of the previous year, 149 cases altogether were met with.

(See "Following-up Return," page 34).

X-RAY TREATMENT OF RINGWORM.

During the year 1920, seventeen cases have been treated and cured. Of the eight cases carried over from 1919, seven have been cured and one refused treatment. The average period of absence from school for treatment was 38 days.

CLEANLINESS—STATE OF HAIR.

There were 567 cases of nits in the hair (21.7 per cent.), including 8.8 per cent. of the boys and 36.1 per cent. of the girls.

The following Table shows the percentage of girls found at the Routine Inspection with nits in the hair, during the past five years:—

NITS IN THE HAIR. (GIRLS ONLY).
INSPECTIONS UNDER EDUCATION (Ad. Prov.) ACT, 1907.

School.	1916		1917		1918		1919		1920	
	%		%		%		Girls.	Infnts.	Girls.	Infnts.
Ainsdale C.E.	67.7	...	65.0	...	36.8	...	80.0	25.0	50.0	75.0
Ainsdale Council	37.5	...	60.0	...	33.3	...	50.0	25.0	20.0	33.3
Ainsdale R.C.	45.5	...	25.0	...	35.3	...	55.6	100.0	—	33.3
All Saints' C.E.	48.3	...	35.0	...	55.9	...	39.4	16.7	65.9	27.3
Birkdale C.E.	48.2	...	44.8	...	36.6	...	65.6	26.3	53.6	48.4
Birkdale Council	62.6	...	76.7	...	58.8	...	69.4	59.2	50.6	38.1
Blowick C.E.	43.2	...	69.6	...	57.1	...	60.4	28.0	28.3	33.3
Churchtown Council.....	53.1	...	34.9	...	50.0	...	63.6	26.9	37.3	9.1
Crossens C.E.	31.7	...	51.6	...	47.2	...	25.9	26.7	7.5	8.3
Dean Cooke Mem. R.C....	53.7	...	44.8	...	63.6	...	46.2	18.2	38.5	50.0
Emmanuel C.E.	31.3	...	25.0	...	12.5	...		21.7		10.5
Holy Trinity C.E.	43.8	...	31.0	...	46.7	...	36.3	43.5	29.4	35.7
Linaker Street Council...	63.3	...	55.3	...	46.2	...	58.6	52.5	33.3	34.0
St. Luke's C.E.....	22.6	...	40.8	...	27.8	...		40.5		27.8
St. Marie's R.C.	56.3	...	82.1	...	62.9	...	56.0	45.5	50.0	29.4
St. Philip's C.E.	36.8	...	27.5	...	28.3	...	27.3	8.3	15.3	11.1
SS. Simon & Jude's C.E.	62.0	...	55.8	...	72.3	...	52.1	45.6	37.5	32.7
St. Teresa's R.C.	67.7	...	66.7	...	53.2	...	81.6	69.7	58.9	60.0
Total	53.5		52.5		49.8		54.9	43.2	37.5	33.2

This shows a decided Improvement.

CARIOUS PERMANENT TEETH.

24.9 per cent. of the children over six years of age have one or more permanent teeth carious. At leaving the percentage is 36.9 (See "Following-up" Return, page 34.) This demonstrates that the work of the Dentists is largely effecting its object.

ENLARGED TONSILS AND ADENOIDS.

17.7 per cent. of the children were affected, and of these 110 (4.2 per cent.) were cases requiring removal.

ENLARGED GLANDS IN THE NECK.

9.0 per cent.; only a small proportion would be tubercular.

DEFECTIVE VISION.

177 children (8.4 per cent.) failed to read $\frac{6}{9}$ $\frac{6}{9}$ with each eye, and all these are classified as defective.

EXTERNAL EYE DISEASE.

1.6 per cent. (Squint 0.7 per cent.).

EAR DISEASE.

Otorrhœa, 0.8 per cent.

DEAFNESS.

205 = 7.9 per cent. ; mostly due to wax.

CARDIAC DISEASE.

12 = 0.5 per cent.

LUNG DISEASE.

Sixteen cases of fairly definite Bronchitis, one case of Bronchial Catarrh, and one case of Pneumonia, were met with. No child suffering from Phthisis was discovered at the routine inspection.

NERVOUS DISEASE.

3 = 0.1 per cent.

TUBERCULOSIS.

Three cases. (Lupus, Knee, Elbow).

RICKETS.

21 = 0.8 per cent. (Mostly very slight).

NUMBER OF CHILDREN REFERRED FOR SUBSEQUENT OR FURTHER EXAMINATION.

Abscess	1	Ichthyosis	1
Alopecia Areata	1	Impetigo	32
Anæmia	2	Lung Disease	19
Burn	1	Nasal Catarrh	2
Cardiac Disease	12	Nervous Disease	3
Cerumen	6	Nits	567
Chronic Nasal Discharge ...	1	Otitis Media	2
Chronic Nephritis	2	Otorrhœa	21
Cretinism	1	Oxyuris Vermicularis	2
Cuts	2	Psoriasis	2
Defective Hearing	205	Pyorrhœa Alveolaris	1
Defective Nutrition	8	Rash	1
Defective Vision	177	Rheumatism	2
Deformities	18	Rickets	21
Eczema	3	Ringworm	3
Enlargement of Thyroid ...	3	Scabies	5
Enuresis	1	Scarlet Fever	1
External Eye Disease	41	Sebaceous Cyst	1
Follicular Tonsillitis	1	Seborrhœa	4
Foreign Body in Eye	1	Sores	2
Furuncle	2	Teeth	1214
Ganglion	2	Tonsils and Adenoids	461
German Measles	1	Tuberculosis	3
Hæmatoma	1	Wart	1
Hodgkin's Disease	1		
Hutchinson's Teeth	1	Total	2866

Two or more defects are frequently present in the same child.

LOCAL EDUCATION AUTHORITIES (MEDICAL TREATMENT) ACT,
1909, SECTION 1.

The following is a list of the charges at present made for treatment—
Secondary School Children—

Teeth—

Extraction with gas	5/-
Extractions	1/6 per tooth.
Fillings	2/6 per filling.
Scalding	1/- to 2/-.

Ear Syringing

3/6.

Secondary School and
Elementary School Children—

Operation for Tonsils and Adenoids..... 7/6.

It is probable that an attempt to enforce charges on every parent of an elementary school child for treatment would have the effect of reducing the amount of treatment carried out to a small fraction of the cases requiring it. This remark bears especially on the matter of dental treatment. It has taken years of patience to secure the present percentage of defects "cured" in this town, and in my opinion it amounts to a certainty that if the parents are to be charged for the work they will not continue to send the children to the clinic. The difficulties met by practical people in getting an elementary school child to the dentist seem sufficient of themselves to overcome without the parent having to object on account of the cost. Furthermore, any amount collected from the parents will be more than swallowed up by the clerical and collection charges.

One cannot escape the reflection that in these latter days an individual charge to each patient treated savours somewhat of the retrograde. Some scheme might surely be devised, if indeed a charge has to be made at all, whereby a small annual or quarterly payment on the lines of the Insurance scheme might meet all the necessities of some contribution from the parents. For instance, a charge of 3d. per child here, annually, would amount to £100. Probably no parent would object to this or something like it, and the amount got would exceed anything collected by an individual charge.

TABLE A. SECONDARY SCHOOLS, SOUTHPORT.

(1) Average Heights and Weights. (Age last birthday.)

BOYS.					
No.	Age last Birth-day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
6	10	4	6.3	137.9	4-10.3... 30.08
26	11	4	7.9	142.0	5-3.0... 33.01
42	12	4	8.6	143.7	5-7.0... 34.92
28	13	4	10.8	149.4	5-11.8... 37.70
8	14	5	1.0	155.0	6-11.8... 43.46

GIRLS.					
No.	Age last Birth-day.	Ft.	Ins.	Cms.	St. Lbs. Kilos.
51	12	4	9.1	145.1	5-7.1... 34.97
53	13	4	11.6	151.4	6-8.4... 41.96
78	14	5	1.4	156.0	7-1.7... 45.18
62	15	5	3.0	160.0	7-6.5... 47.46
40	16	5	2.8	159.6	7-9.8... 48.90
15	17	5	2.3	158.0	8-0.9... 51.18
4	18	5	0.3	152.8	7-9.6... 48.80

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Table Comparing Weights of Elementary and Secondary School Children.

BOYS.					
ELEMENTARY.			SECONDARY.		
Age.	St. Lbs.	Kilos.	Age.	St. Lbs.	Kilos.
10	4-9.6	29.75	10	4-10.3	30.08
11	4-13.0	31.30	11	5-3.0	33.01
12	5-2.0	32.60	12	5-7.0	34.92
13	5-12.2	37.28	13	5-11.8	37.70
14	6-8.6	42.00	14	6-11.8	43.46

GIRLS.					
ELEMENTARY.			SECONDARY.		
Age.	St. Lbs.	Kilos.	Age.	St. Lbs.	Kilos.
12	5-2.0	32.60	12	5-7.1	34.97
13	6-1.7	38.84	13	6-8.4	41.96
14	5-3.1	33.16	14	7-1.7	45.18

The heavier weights of girls in the Secondary Schools indicate that those who are better endowed physically pass on to the Secondary Schools.

SECONDARY SCHOOLS (SEPARATE AGES). TABLE B.

	BOYS.				GIRLS.				GRAND TOTAL. No. %				
	Leaving.		Age 8.		Total.		Leaving.			Age 8.		Total.	
	No.	%	No.	%	No.	%	No.	%		No.	%	No.	%
Number Listed for Inspection	106	—	6	—	112	—	327	—	327	—	439	—	
Number Actually Inspected	104	98.1	6	100.0	110	98.2	303	92.7	303	92.7	413	94.1	
Parent Present	61	58.7	5	83.3	66	60.0	180	59.4	180	59.4	246	59.6	
Parent Refused Inspection	—	—	—	—	—	—	—	—	—	—	—	—	
Had Measles	82	78.8	5	83.3	87	79.0	147	48.5	147	48.5	234	56.7	
" Whooping Cough	40	38.5	3	50.0	43	39.0	89	29.4	89	29.4	132	32.0	
" Chicken Pox	34	32.7	2	33.3	36	32.7	53	17.5	53	17.5	89	21.5	
" Scarlet Fever	20	19.2	2	33.3	22	20.0	30	9.9	30	9.9	52	12.6	
" Diphtheria	4	3.8	—	—	4	3.6	7	2.3	7	2.3	11	2.7	
" Mumps	2	1.9	—	—	2	1.8	10	3.3	10	3.3	12	2.9	
(a) Other serious disease	12	11.5	—	—	12	10.9	11	3.6	11	3.6	23	5.6	
Attend School irregularly	2	1.9	—	—	2	1.8	2	0.7	2	0.7	4	1.0	
Unsat:factory Clothing	—	—	—	—	—	—	—	—	—	—	—	—	
Unsat:factory Footgear	—	—	—	—	—	—	—	—	—	—	—	—	
Defective Nutrition	—	—	—	—	—	—	—	—	—	—	—	—	
Nits in the hair	—	—	—	—	—	—	15	5.0	15	5.0	15	3.6	
Bodies dirty	—	—	—	—	—	—	—	—	—	—	—	—	
Permanent Carious Teeth	33	31.7	—	—	33	30.0	128	42.2	128	42.2	161	39.0	
Temporary Teeth requiring extraction	6	5.8	2	33.3	8	7.3	10	3.3	10	3.3	18	4.4	
Enlarged Tonsils or Adenoids	5	4.8	—	—	5	4.5	21	6.9	21	6.9	26	6.3	
Glands in the neck	8	7.7	1	—	9	8.2	9	3.0	9	3.0	18	4.4	
(a) External Eye Disease	3	2.9	—	—	3	2.7	3	1.0	3	1.0	6	1.5	
Defective Vision	11	10.6	—	—	11	10.0	37	12.2	37	12.2	48	11.6	
Otorrhea	1	—	—	—	1	—	2	0.7	2	0.7	3	0.7	
Defective Hearing	2	1.9	—	—	2	1.8	12	4.0	12	4.0	14	3.4	
(a) Speech defects	2	1.9	—	—	2	1.8	—	—	—	—	2	0.5	
(a) Cardiac Disease	—	—	—	—	—	—	—	—	—	—	—	—	
(a) Lung Disease	—	—	—	—	—	—	—	—	—	—	—	—	
(a) Nervous Disease	2	1.9	1	—	3	2.7	1	—	1	—	4	1.0	
(a) Tuberculous (not lungs or glands)	—	—	—	—	—	—	—	—	—	—	—	—	
(a) Rickets	—	—	—	—	—	—	1	—	1	—	1	—	
(a) Deformities	1	—	—	—	1	—	14	4.6	14	4.6	15	3.6	
(a) Other disease or defect	5	4.8	1	—	6	5.5	25	8.3	25	8.3	31	7.5	
Family History of Tuberculosis	2	1.9	—	—	2	1.8	—	—	—	—	2	0.5	

(2) See Table C.

Percentages are calculated on the number actually inspected, except in the case of
 "Number Actually Inspected," which is calculated on the number listed for inspection.

TABLE C. SECONDARY SCHOOLS.

The less frequent ailments, past and present, and a classification of various Diseases and Defects.

	BOYS.			GIRLS.			Grand Total. No. %	
	Leav- ing.	Age 8.	Total.	Leav- ing.	Age 8.	Total.		
NUMBER INSPECTED	104	6	110	303	—	303	433	—
OTHER SERIOUS DISEASE (past)...	12	—	12	11	—	11	23	5.6
Bronchitis	6	—	6	7	—	7	13	3.1
Rheumatism	2	—	2	3	—	3	5	1.2
Rheumatic Fever	3	—	3	—	—	—	3	0.7
Typhoid Fever	1	—	1	1	—	1	2	0.5
EXTERNAL EYE DISEASE	3	—	3	3	—	3	6	1.5
Blepharitis	1	—	1	1	—	1	2	0.5
Corneal Ulcer	—	—	—	1	—	1	1	—
Strabismus	2	—	2	1	—	1	3	0.7
SPEECH DEFECTS	2	—	2	—	—	—	2	0.5
Hoarseness	1	—	1	—	—	—	1	—
Stammer	1	—	1	—	—	—	1	—
CARDIAC DISEASE	—	—	—	—	—	—	—	—
LUNG DISEASE	—	—	—	—	—	—	—	—
NERVOUS DISEASE	2	1	3	1	—	1	4	1.0
Nervous	2	1	3	1	—	1	4	1.0
TUBERCULOSIS	—	—	—	—	—	—	—	—
RICKETS	—	—	—	1	—	1	1	—
Rachitic Chest	—	—	—	1	—	1	1	—
DEFORMITIES	1	—	1	14	—	14	15	3.6
Cleft Palate	1	—	1	—	—	—	1	—
Dome-shaped Palate	—	—	—	2	—	2	2	0.5
Erbs. Obstetric Paralysis	—	—	—	1	—	1	1	—
Flat-foot	—	—	—	5	—	5	5	1.2
Scoliosis	—	—	—	5	—	5	5	1.2
Torticollis	—	—	—	1	—	1	1	—
OTHER DISEASE OR DEFECT ...	5	1	6	25	—	25	3	7.5
Anaemia	—	—	—	9	—	9	9	2.2
Cerumen	1	—	1	1	—	1	2	0.5
Constipation	—	—	—	1	—	1	1	—
Elongated Uvula	1	—	1	—	—	—	1	—
Enlargement of Thyroid	—	—	—	4	—	4	4	1.0
Follicular Tonsillitis	—	—	—	1	—	1	1	—
Headache	—	—	—	1	—	1	1	—
Nasal Catarrh	—	—	—	—	—	2	2	0.5
Pharyngitis	—	—	—	1	—	1	1	—
Pyorrhœa	1	—	1	—	—	—	1	—
Rhinitis	—	—	—	1	—	1	1	—
*Scar	2	1	3	3	—	3	6	1.5
Stomatitis	—	—	—	1	—	1	1	—

* Secondary to Healed Tubercle, Surgical Operations, Burns, etc.

SECONDARY SCHOOLS. TREATMENT OF DEFECTS, 1920.

Condition.	No. of Defects for which Treatment was considered necessary.	No. of Defects for which No Report is available.	No. of Defects Treated.	Results of Treatment.			No. of Defects Not Treated.	Percentage of Defects Treated.
				Remedied.	Improved.	Unchanged.		
Tonsils and Adenoids	12	9	3	3	—	—	—	25.0
External Eye Disease	3	1	2	2	—	—	—	66.7
Ear Disease	2	2	—	—	—	—	—	—
Permanent Carious Teeth	146	60	14	8	6	—	72	9.6
Temporary Teeth requiring extraction	19	10	1	—	1	—	8	5.3
Impetigo	1	—	1	1	—	—	—	100.0
Vision	40	16	7	(a) 4	3	—	17	17.5
Hearing	14	8	3	2	1	—	3	21.4
Ringworm	1	—	1	1	—	—	—	100.0
Totals	238	106	32	21	11	—	100	13.4

(a) Proper spectacles supplied, or certified by the Ophthalmic Surgeon to be able to manage without them.

SCARLET FEVER.

The importance of mild atypical cases of Scarlet Fever as sources of continued infection is borne out by the following account of a small epidemic in one of the Elementary Schools. It also demonstrates the infectivity of the early case, usually regarded as low; common experience attributes the greater danger to the disease in its ultimate stages.

A teacher of one of the infant classes complained of Tonsillitis on Thursday, October the 7th, and was off duty for the week-end. She returned on Monday, October 11th, and was again absent on the 12th and 13th; returned again on the 14th, and was present at school on Friday, the 15th; on the Monday, the 18th, was again absent, and remained so for the whole week. She returned to school again on Monday the 25th, and on the 27th was sent for examination; the hands were "peeling," and there was no doubt that she had been suffering from a mild attack of Scarlet Fever, her symptoms being confined to those associated with Tonsillitis, followed by peeling about 18 days later.

Four cases of Scarlet Fever of a mild type were reported from children attending this class. The interesting point lies in the fact that these cases developed consistently a few days after each date that the teacher returned to her class, her presence accounting with nicety for the incidence of each successive case within the incubation period:—

- Oct. 7th and 8th.—Miss X present at the school suffering from Tonsillitis.
,, 9th and 10th.—Miss X absent.
,, 11th.—First case of Scarlet Fever occurs, and Miss X returns.
,, 12th and 13th.—Miss X again absent.
,, 14th.—Miss X returns.
,, 15th.—Second case of Scarlet Fever occurs.
,, 18th.—
,, 19th.—Third case of Scarlet Fever.
,, 20th.—
,, 21st.—Fourth case of Scarlet Fever. } Miss X
,, 22nd.— } absent from
,, 23rd.— } School.
,, 24th.— }
,, 25th.—Miss X returns.
,, 27th.—Miss X seen by School Medical Officer and excluded.

No more cases occurred.

DIPHThERIA CARRIER.

At the routine examination one child was found to have a discharge from one of the crypts of the left tonsil. On examination of the discharge the Bacillus of Diphtheria was found to be present and the child was excluded, with local treatment for six weeks.

This condition cleared up, two subsequent examinations were negative, and the child re-admitted to the school.

METHODS EMPLOYED OR AVAILABLE FOR TREATMENT OF DEFECTS.

THE WORK OF THE SCHOOL CLINICS.

(a) DEFECTIVE VISION.

All cases of Defective Vision, including Squint, found at the Routine Inspection, were referred to the Ophthalmic Surgeon for further examination, as were also some cases discovered in other ways. During the course of the year there were 1320 attendances at the Clinic, with the following results:—

Mydriatic given	451	
Glasses prescribed	284	
Glasses obtained	211	} 274
Can manage with present glasses	63	
Glasses not required	174	
External Eye Disease	347	
Strabismus	37	
Slight operation—needling	1	
Treated by private Medical Practitioner	32	
Left School or Town	58	
Refused Treatment	27	

24 necessitous cases were assisted by the Education Committee. The Committee spent £9 18s. 0d. on the provision of spectacles, but of this sum £3 18s. 6d. was afterwards collected from the parents of the children concerned.

(b) TONSILS AND ADENOIDS.

Dr. Courtenay Yorke, the Committee's Nose and Throat Specialist, has continued his valuable work during the year 1920, with very satisfactory results.

Consultation Cases	224
*Operation performed at Clinic	194
Operation not required	44
Treated by Private Doctor or Infirmary	25
Refused treatment	89
Left school or town	20

*Some of these cases consulted Dr. Yorke during 1919.

(c) CARIOUS TEETH.

SCHOOL DENTAL SURGEON'S REPORT.

MONTH.	Schools visited.	Children examined.	Children needing treatment.	Appointments made.	Number treated.		EXTRACTIONS.				Fillings.	Dressings.	Scaling.	Total Teeth treated.
					Reg.	Odd.	No.	Perm.	Local	N2O				
January	1	231	201	286	81	155	414	53	123	13	174	21	...	609
February ...	1	257	234	312	157	125	484	61	361	56	233	12	...	729
March		55	54	308	154	101	391	46	305	48	180	13	...	584
April	...	...	...	132	110	12	187	22	147	20	45	5	...	237
May	...	...	...	212	98	57	327	41	270	22	118	28	...	473
June	3	178	107	280	40	105	314	20	298	4	81	9	...	404
July	...	...	...	290	113	140	450	39	389	26	164	15	...	629
August	...	...	...	220	...	157	247	6	233	1	36	6	...	289
September ...	2	833	822	513	56	305	607	42	585	...	100	7	...	714
October	5	1604	1449	678	412	181	716	66	591	...	327	25	...	1068
November ...	3	1464	1212	829	552	88	941	83	357	...	428	37	7	1413
December ...	2	229	175	588	449	60	646	53	226	...	325	47	13	973
TOTALS ...	17	4851	4254	4648	2222	1492	5724	532	3885	190	2214	225	20	8122

BOYS.

GIRLS.

	Temporary Teeth.			Permanent Teeth.			Temporary Teeth.			Permanent Teeth.		
Teeth recorded	9619			35331			7952			33344		
	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.
Charted..	8074	479	1066	33761	1211	359	6266	544	1142	31787	1224	333
Per-centage	83.9	5.0	11.1	95.6	3.4	1.0	78.8	6.8	14.4	95.3	3.7	1.0

The condition of the Children's mouths shows a marked improvement, attributable to the more frequent inspection and treatment, and also to the more general use of the tooth brush.

X-RAYS.

X-Ray treatment of Tuberculous glands of the neck and other parts is often of great value.

Where the skin over the glands is sound and unbroken, a course of "X-Ray" exposures will often cause glands of large size to shrink and disappear. If the disappearance is not complete the glands may be reduced considerably in size and transformed into a harmless hard and fibrous mass.

The possible dangers of surgical interference, viz.:—Unsightly scarring and the infection of the skin with tubercular disease may be avoided by this method of treatment.

In advanced cases where the glands are broken down—sinuses have formed and are discharging pus, and puckered and unsightly scars exist, the transformation which may be brought about by a course of "X-Ray" exposures is most dramatic. Glands shrink in size, sinuses dry up and close, ulcerated surfaces heal, and old scar tissue is rendered soft and pliable. Such cases are the despair of the Surgeon but are welcomed by the Radiologist, because the results obtained by "X-Ray" treatment are so gratifying.

RINGWORM OF THE SCALP.

Which is a most intractable disease when treated by ointments, lotions, etc., may be cured by a single exposure to the "X-Rays," the hair falling out and leaving the scalp clean and free from infection after a lapse of three weeks from the time the exposure is given.

The child may then safely attend school.

W. C. ORAM, M.D., D.C.,

Hon. Radiologist, Liverpool Stanley Hospital.

(d) TUBERCULAR GLANDS.

Seven cases of Tuberculous Glands in the neck were treated by the X-Ray method, with very satisfactory results. The average period of treatment was 19 weeks. Fortunately no case of broken down and discharging glands has been found during the year.

MINOR AILMENTS.

(1) CASES SEEN AT MINOR AILMENT CLINIC AND BY SKIN SPECIALIST.

(Attendances counted, not individual children).

Abscess	18	Examined for Admission to	
Accident	1	Secondary School	21
Adenitis	18	External Eye Disease	47
Alopecia Areata	11	Faints	3
Appendicitis	2	Favus	6
Boil	9	Flat-foot	4
Bronchial Asthma	17	Flea Bites	1
Bronchial Catarrh	3	Ganglion	1
Bronchitis	1	German Measles	2
Bruise	1	Greenstick Fracture	1
Burn	3	Hæmatoma	1
Bursitis	1	"Healthy"	43
Cardiac Disease	13	Hernia	2
Cellulitis	1	Herpes	5
Chicken Pox	15	Hodgkin's Disease	3
Chicken Pox (recent)	3	Housemaid's Knee	2
Chilblains	4	Hutchinson's Teeth	4
Chorea	24	Ichthyosis	8
Cold	5	Impetigo	449
Conjunctival Hæmorrhage. 1		Infantile Paralysis	4
Constipation	3	Keloid	2
Cough	5	Lateral Curvature	4
Convulsions	2	Lichen Planus	3
Crushed Finger	2	Mastitis	1
Curved Tibia	3	Measles (recent)	2
Cuts	3	Megrim	2
Debility	10	Mentally Backward	34
Defective Hearing	30	Mentally Deficient	6
Deviated Septum	1	Mumps	2
Defective Vision	34	"Nerves"	1
Dermatitis	3	Nits	1
Dermoid	3	Ophthalmia Neonatorum ...	1
Diarrhœa	4	Otorrhœa	26
Diphtheria	1	Pains	10
Diphtheria Carrier	1	Periostitis Tibiæ	3
Diphtheria (recent)	2	Pharyngitis	5
Dyspepsia	3	Phimosis	1
Earache	2	Pneumonia	1
Eczema	23	Psoriasis	9
Empyema	2	Purpura Rheumatica	2
Enuresis	8	Pyorrhœa Alveolaris	1
Enlarged Tonsils and		Pyrexia	11
Adenoids	66	Rash	5
Erythema	2	Rheumatism	8
Erythema Nodosum	1	Ringworm	582

Seborrhœa	5
Scabies	408
Scald	6
Scarlet Fever	4
Scarlet Fever Contacts	2
Scarlet Fever (recent) ...	131
Septic Ulceration	1
Sores	91
Sore Throat	2
Sprain	5
Teeth	39
Tonsillitis	16
Torticollis	1

Tuberculosis	10
Ulcer	1
Urticaria	1
Verminous	13
Wart	1
Whooping Cough	4
Worms	10
Total	2448

Total (1919)2191

(11) CASES ATTENDED TO BY SCHOOL NURSE AT CLINIC.

(Not included in above table).

(Attendances counted, not individual children).

Abscess	50
Accident	20
Adenitis	12
Blisters	1
Boils	198
Bronchitis (recent)	1
Bruise	12
Burns	90
Cardiac Disease	1
Chicken Pox (recent)	1
Chilblains	46
Cough	3
Crushed Finger	8
Cuts	241
Debility	3
Defective Hearing	485
Defective Vision	1388
Dermatitis	2
Diarrhœa	2
Diphtheria (recent)	1
Dog Bite	1
Earache	1
Eczema	83
Empyema	1
Enlarged Tonsils and Adenoids	18
Erythema Nodosum	5
External Eye Disease	484
Favus	10
Flat-foot	4
Foreign Body in Eye	2
Hæmatoma	3
"Healthy"	16
Herpes	3

Housemaid's Knee	6
Ichthyosis	9
Impetigo	2143
Lichen Planus	3
Mumps	1
Nits	18
Otorrhœa	1009
Pain	8
Psoriasis	14
Rash	15
Rheumatism	4
Rhinitis	2
Ringworm	190
Scabies	870
Scald	23
Scar	1
Scarlet Fever (recent)	11
Sores	1208
Sore Throat	25
Sprain	18
Strain	4
Sunburn	3
Teeth	5
Tonsillitis	15
Ulcer	1
Verminous	14
Warts	71
Whooping Cough	2

Total8889

Total (1919)7167

the average condition of the heads can be seen from the inspection under the Education (Ad. Prov.) Act, 1907 - see page and Table B. The results given here - page 22 - are due to re-inspections of children known to require constant supervision.

The "FOLLOWING-UP" RETURN (Page 34) shows the amount of treatment effected during the year for various Diseases and Defects.

NURSES' VISITS TO SCHOOLS AND HOMES.

	Cases Visited.			Cases Visited	
	At School.	At Home.		At School.	At Home.
Abscess	1	11	Rickets	—	2
Anæmia	—	2	Ringworm	—	54
Bronchitis	—	11	Scabies	13	120
Clothing and			Sepsis	2	10
Footgear	63	35	Speech	—	8
Dirty Body	71	35	Teeth	975	2032
Eczema	—	6	Tonsils and		
Eye Trouble	16	49	Adenoids	38	608
Glands	4	39	Verminous	22	204
Hearing	54	181	Vision	172	711
Heart	7	13	Miscellaneous	123	136
Impetigo	12	17			
Lupus	—	1	Total No. of		
Malnutrition	1	6	Visits	1848	4466
Nits	267	50			
Otorrhœa	46	44	Do. 1919	3124	6523
Phthisis	—	32			

Two or more defects are frequently present in the same child.

INSPECTIONS UNDER THE CHILDREN ACT, 1908:—

In 1920	23,691
In 1919	20,725

The following is an analysis of the condition of children's heads inspected in 1920 under the Children Act:—

	Boys.		Girls.		Totals.	
Clean	1060	13.5	5581	35.2	6641	28.0
Nits	6742	86.1	10133	63.9	16875	71.2
Verminous	27	0.3	148	1.0	175	0.7

LIST OF ELEMENTARY SCHOOLS CLOSED DURING 1920.

School.	Dept.	Date of Closure.	Period of Closure.	Cause.
Blowick C.E.	Infants	... January 6th	... 13 days	Measles
Ainsdale Council...	Whole School	... March 1st	... 14 days	"
Birkdale C.E.	"	... April 26th	... 28 days	"
Holy Trinity C.E...	Infants	... May 17th	... 21 days	"
Churchtown Council	"	... August 24th	... 13 days	"
Emmanuel C.E. ...	Whole School	... "	... "	"
Crossens C.E.	"	... November 16th	... 21 days	Mumps

NOTIFICATIONS OF INFECTIOUS DISEASE.

	Affecting the School Children only.			All cases in the area.		
	1918	1919	1920	1918*	1919*	1920
Diphtheria	19	32	20	50	66	44
Scarlet Fever	37	54	93	68	118	203
Measles	503x	46x	275x	927x	152x	550x
Whooping Cough ...	64	31	110	234	75	265
Chicken Pox	136	79	215	326	256	435

* Excluding Military Cases.

x Including Rubella.

EXCLUDED UNDER SECTION 53 (b) OF THE CODE.

Chicken Pox	14
Mumps	2
Ringworm	108
Rubella	4
Scabies	116
Scarlet Fever	1
Scarlet Fever?	2
Vermineous	114
Whooping Cough	8

DEFECTIVE AND EPILEPTIC CHILDREN.

CHILDREN IN SPECIAL SCHOOLS.

Royal School for the Deaf and Dumb, Old Trafford, Manchester ...	4 girls
Royal School for the Deaf and Dumb, Old Trafford, Manchester ...	1 boy
Shipton Church of England Home for Waifs and Strays	1 girl
Allerton Priory R.C. School, Woolton, Lancashire	1 girl
Sandwell Hall Institution, Handsworth, Birmingham	1 boy
St. Elizabeth's R.C. School, Much Hadham, Herts.	1 girl
School for Blind, Wavertree	1 boy
Royal Albert Asylum, Lancaster	1 boy
Children's Convalescent Home, West Kirby	1 boy and 1 girl

	Boys.	Girls.	Total.
Total Number of Children in Special Schools ...	5	8	13

TABLE III. on Page 34 is a survey of all the known Defective Children in the Area of the Authority.

CHILDREN IN INDUSTRIAL SCHOOLS

St. Joseph's R.C. Industrial School, Victoria Park, Manchester	1 girl
St. Joseph's R.C. Industrial School, Longsight, Manchester	5 boys
Shadwell Industrial School, Leeds	4 boys
Wellesley Training Ship, South Shields	2 boys
York Industrial School for Boys, Marygate	7 boys
York Industrial School for Girls, Lowther Street	1 girl

	Boys.	Girls.	Total.
Total Number of Children in Industrial Schools	18	2	20

MISCELLANEOUS WORK.

Examined and Passed:—

For Secondary School	21
For Gymnastics and Out-door Games	21
For Industrial Schools	1
For Special Schools	8

PROVISION OF MEALS.

1335 meals were provided to 42 children during the period February 9th to April 1st, 1920. The Education (Provision of Meals) Acts, 1906 and 1914, are now in force.

Free meals are also being provided to about 180 children of widows and unemployed.

NUMBER OF CHILDREN IN RESPECT OF WHOM DIRECTIONS WERE GIVEN FOR TREATMENT OF DEFECTS (AT THE ROUTINE INSPECTION):—

Abscess	1
Anæmia	2
Boils	2
Bronchitis	11
Cardiac Disease	8
Catarrh	1
Cuts	1
Eczema	1
External Eye Disease	13
Nasal Discharge	1
Otorrhœa	10
Rheumatism	2
Tonsillitis	1
Worms	2
Total	56

(Directions also given to numerous cases of nits).

SPECIAL CASES SEEN BY SCHOOL MEDICAL OFFICER AT SCHOOL.

Abscess	2	Scabies	1
Cardiac Disease	5	Swollen Glands	2
Defective Hearing	4	Teeth	9
Defective Speech	3	Verminous	1
Defective Vision	16	Other Disease or Defect	11
Enlarged Tonsils and Adenoids	7	Not Definitely Specified	24
Eye Trouble	1		
Impetigo	3	Total	90
Malnutrition	1		

Also a number of children for additional food.

SPECIAL CASES TREATED BY SCHOOL MEDICAL OFFICER AT SCHOOL

Accident	2	Swollen Glands	4
Defective Hearing	2	Teeth	7
Enlarged Tonsils and Adenoids	1	Not Definitely Specified	4
Impetigo	5	Total	26
Ringworm	1		

MISCELLANEOUS.

A Course of Physical Training is being given to about 17 children, specially requiring it, by Mr. A. Alexander, of the Southport Physical Training College, to their very great advantage.

No Child with Phthisis was treated during the year at the Corporation Hospital. Two cases received treatment in the Children's Convalescent Home, West Kirby, with very satisfactory results. The period of treatment was seven months, and three years, two months, respectively.

The National Society for the Prevention of Cruelty to Children has been occasionally invoked, and its efforts are successful in securing alleviation in certain refractory cases.

ACTION TAKEN TO DETECT AND PREVENT THE SPREAD OF INFECTIOUS DISEASE.

The practice of having all children who have suffered from Scarlet Fever examined by the School Medical Officer before their return to School has been continued; since it was begun no School within the area of the Authority has required closure on account of an outbreak of Scarlet Fever.

REPORTED TO MEDICAL OFFICER OF HEALTH FROM SCHOOL CLINICS:—

Chicken Pox	14
Whooping Cough	8
Rubella	4
Scarlet Fever	1
Lobar Pneumonia	1
Ophthalmia Neonatorum	1
Sleeping Four, or more, in one room	426

ALL SCHOOLS, SEPARATE AGES. TABLE B.

	BOYS.								GIRLS.								GRAND TOTAL No. %	
	Leaving.		Age 8.		Infants.		Total.		Leaving.		Age 8.		Infants.		Total.			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Number Listed for Inspection	605	—	538	—	334	—	1477	—	524	—	569	—	305	—	1398	—	2875	—
Number Actually Inspected	590	97.5	506	94.1	273	81.4	1369	92.7	474	90.5	526	92.4	237	77.7	1237	88.5	2606	90.6
Parent Present	50	8.5	154	30.4	128	46.9	332	24.3	98	20.7	184	35.0	109	46.0	391	31.6	723	27.7
Parent Refused Inspection	6	1.0	6	1.1	15	4.5	27	1.2	19	3.6	9	1.6	5	1.6	33	2.4	60	2.1
Had Measles	440	74.6	301	59.5	98	35.9	839	61.3	369	77.9	319	60.6	93	39.2	781	63.1	1620	62.2
Whooping Cough	215	36.4	182	36.0	56	20.5	453	33.1	204	43.0	221	42.0	44	18.6	469	37.9	922	35.4
Chicken Pox	152	25.8	138	27.3	36	13.2	326	23.8	166	35.0	154	29.3	30	12.6	350	28.3	676	25.9
Scarlet Fever	48	8.1	17	3.4	2	0.7	67	4.9	45	9.5	21	4.0	4	1.7	70	5.7	137	5.3
Diphtheria	15	2.5	4	0.8	—	—	19	1.4	7	1.5	5	0.9	2	0.9	14	1.1	33	1.3
Mumps	33	5.6	4	0.8	—	—	37	2.7	27	5.7	5	0.9	—	—	32	2.6	69	2.6
(a). Other Serious Disease	9	1.5	3	0.6	2	0.7	14	1.0	10	2.1	4	0.8	—	—	14	1.1	28	1.1
Unvaccinated	203	34.4	312	61.7	187	68.5	702	51.4	169	35.7	308	58.6	158	66.7	635	51.3	1337	51.3
Said to have been Vaccinated, but have no Marks returned as Vaccinated).....	2	0.3	1	—	—	—	3	0.2	2	0.4	—	—	—	—	2	0.2	5	0.2
Attend School Irregularly	10	1.7	12	2.4	11	4.0	33	2.4	13	2.7	9	1.8	7	3.0	29	2.4	62	2.4
Unsatisfactory Clothing	8	1.4	7	1.3	2	0.7	17	1.2	—	—	2	0.4	1	—	3	0.3	20	0.8
Unsatisfactory Footgear	12	2.0	18	3.6	5	1.8	35	2.6	3	0.6	10	1.9	1	—	14	1.1	49	1.9
Defective Nutrition	1	—	1	—	—	—	2	0.2	2	0.4	3	0.6	1	—	6	0.5	8	0.3
Nits in the Hair	53	9.0	41	8.1	27	9.9	121	8.8	169	35.7	203	38.6	74	31.2	446	36.1	567	21.7
Bodies Dirty	1	—	7	1.3	3	1.1	11	0.8	1	—	—	—	1	—	2	0.2	13	0.5
*Permanent Carious Teeth.....	233	39.5	56	11.1	—	—	289	26.4	163	34.4	71	13.9	—	—	234	23.4	523	24.9
*Temporary Teeth requiring Extraction.....	121	20.5	220	43.5	—	—	341	31.1	111	23.5	239	45.4	—	—	350	35.0	691	33.0
Enlarged Tonsils or Adenoids.....	84	14.2	88	17.4	68	24.9	240	17.5	58	12.2	105	20.0	58	24.5	221	17.9	461	17.7
Glands in the Neck	55	9.3	53	10.5	25	9.2	133	9.7	25	5.3	57	10.8	19	8.0	101	8.2	234	9.0
(a) External Eye Disease	17	2.9	9	1.8	3	1.1	29	2.1	2	0.4	8	1.5	2	0.9	12	1.0	41	1.6
*Defective Vision.....	57	9.7	37	7.3	—	—	94	8.6	38	8.0	45	8.6	—	—	83	8.3	177	8.4
Otorrhoea	3	0.5	1	—	7	2.6	11	0.8	1	—	4	0.8	5	2.1	10	0.8	21	0.8
Defective Hearing.....	47	8.0	43	8.5	16	5.9	106	7.7	34	7.2	47	8.9	18	7.6	99	8.1	205	7.9
(a) Speech Defects	2	0.3	1	—	—	—	3	0.2	—	—	—	—	—	—	—	—	3	0.1
(a) Cardiac Disease	3	0.5	1	—	—	—	4	0.3	3	0.6	5	0.9	—	—	8	0.7	12	0.5
(a) Lung Disease	2	0.3	6	1.2	3	1.1	11	0.8	2	0.4	4	0.8	2	0.9	8	0.7	19	0.7
(a) Nervous Disease.....	—	—	—	—	1	—	1	—	1	—	1	—	—	—	2	0.2	3	0.1
(a) Tuberculosis (not Lungs or Glands)	1	—	—	—	—	—	1	—	—	—	2	0.4	—	—	2	0.2	3	0.1
(a) Rickets	11	1.9	4	0.8	4	1.5	19	1.4	2	0.4	—	—	—	—	2	0.2	21	0.8
(a) Deformities	5	0.8	2	0.4	2	0.7	9	0.7	5	1.1	3	0.6	1	—	9	0.8	18	0.7
(a) Other Disease or Defect	39	6.6	27	5.3	23	8.4	89	6.5	17	3.6	32	6.1	7	3.0	56	4.5	145	5.6
Attend Sunday School.....	493	83.6	329	65.0	107	39.2	929	67.9	398	84.0	363	69.0	118	49.8	879	71.1	1808	69.4
Attend Extra Classes (indoor)	88	14.9	6	1.2	1	—	95	6.9	56	11.8	3	0.6	—	—	39	4.8	154	5.9
Members of Boys' Brigades	6	1.0	—	—	—	—	6	0.4	—	—	—	—	—	—	—	—	6	0.2
Boy Scouts	29	4.9	—	—	—	—	29	2.1	—	—	—	—	—	—	—	—	29	1.1
Attend Swimming, Gymnasium, or other Physical Training, not included above, out of School.....	1	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	1	—
Doing paid work 1—In a Trade	1	—	—	—	—	—	1	—	1	—	—	—	—	—	1	—	2	0.1
out of School 2—Errands and the like	7	1.2	—	—	—	—	7	0.5	—	—	—	—	—	—	—	—	7	0.3
Family History of Tuberculosis.....	12	2.0	4	0.8	6	2.2	22	1.6	12	2.5	12	2.3	—	—	24	1.9	46	1.8
Sleeping four, or more, in one room	91	15.4	75	14.8	39	14.3	205	14.9	51	10.8	117	22.2	53	22.4	221	17.9	426	16.3
Sleeping with window closed	123	20.8	169	33.4	52	19.0	344	25.1	107	22.6	150	28.5	61	25.7	318	25.7	662	25.4

(a) See Table C. * Children younger than 6 years not included in these percentages.

In this Table, and in Table C, an infant means a child under the age of 6. Percentages are calculated on the number actually inspected, except in the cases of "Number actually inspected," and "Parent refused inspection," which are calculated on the number listed for inspection.

ALL SCHOOLS, SEPARATE AGES. TABLE C.

The less frequent ailments, past and present; and a classification of various Diseases and Defects.

	BOYS.				GIRLS.				Grand Total								
	Leaving Age 8 Infants Total				Leaving Age 8 Infants Total				No.	%							
NUMBER INSPECTED	590	...	506	...	273	...	1369	474	...	526	...	237	...	1237	2606	...	—
OTHER SERIOUS DISEASE (Past).	9	...	3	...	2	...	14	10	...	4	...	—	...	14	28	...	1.1
Bronchitis	4	...	1	...	1	...	6	4	...	2	...	—	...	6	12	...	0.5
Chorea.....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Malaria	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...	—
Rheumatic Fever	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Rheumatism	3	...	2	...	—	...	5	6	...	1	...	—	...	7	12	...	0.5
EXTERNAL EYE DISEASE	17	...	9	...	3	...	29	2	...	8	...	2	...	12	41	...	1.6
Blepharitis	3	...	2	...	3	...	8	1	...	2	...	—	...	3	11	...	0.4
Cataract	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Conjunctivitis	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Corneal Ulcer	1	...	1	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Eczema Tarsi	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Hordeolum	1	...	—	...	—	...	1	—	...	1	...	—	...	1	2	...	0.1
Nebula	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Nystagmus	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Ptosis	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Strabismus	5	...	6	...	—	...	11	1	...	4	...	2	...	7	18	...	0.7
SPEECH DEFECTS	2	...	1	...	—	...	3	—	...	—	...	—	...	—	3	...	0.1
Stammer	2	...	1	...	—	...	3	—	...	—	...	—	...	—	3	...	0.1
CARDIAC DISEASE	3	...	1	...	—	...	4	3	...	5	...	—	...	8	12	...	0.5
Mitral Regurgitation	3	...	1	...	—	...	4	3	...	4	...	—	...	7	11	...	0.4
Pulmonary Stenosis	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
LUNG DISEASE	2	...	6	...	3	...	11	2	...	4	...	2	...	8	19	...	0.7
Bronch. Catarrh	—	...	1	...	1	...	2	—	...	—	...	—	...	—	2	...	0.1
Bronchitis	1	...	5	...	2	...	8	2	...	4	...	2	...	8	16	...	0.6
Pneumonia	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
NERVOUS DISEASE	—	...	—	...	1	...	1	1	...	1	...	—	...	2	3	...	0.1
Habit Spasm	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...	—
Infantile Paralysis	—	...	—	...	—	...	—	1	...	1	...	—	...	2	2	...	0.1
TUBERCULOSIS.....	1	...	—	...	—	...	1	—	...	2	...	—	...	2	3	...	0.1
Elbow	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Knee	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Lupus	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
RICKETS	11	...	4	...	4	...	19	2	...	—	...	—	...	2	21	...	0.8
Curved Tibia	2	...	—	...	1	...	3	—	...	—	...	—	...	—	3	...	0.1
Pigeon Breast	9	...	4	...	3	...	16	2	...	—	...	—	...	2	18	...	0.7

ALL SCHOOLS, SEPARATE AGES. TABLE C—Continued.

	BOYS.					GIRLS.					Grand Total						
	Leaving	Age 8	Infants	Total		Leaving	Age 8	Infants	Total		No.	%					
NUMBER INSPECTED	590	...	506	...	273	...	1369	474	...	526	...	237	...	1237	2606	...	—
DEFORMITIES	5	...	2	...	2	...	9	5	...	3	...	1	...	9	18	...	0.7
Absence of Radii	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Accessory Auricle	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...	—
Ankylosed Elbow	1	...	—	...	—	...	—	—	...	—	...	—	...	—	1	...	—
Branchial Cartilage	1	...	—	...	—	...	—	—	...	—	...	—	...	—	1	...	—
Congenital Dislocation of Hip	—	...	1	...	—	...	—	—	...	—	...	—	...	—	1	...	—
Extensor Paralysis, hand & wrist ...	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Flat Chest	1	...	—	...	—	...	—	—	...	—	...	—	...	—	1	...	—
Flat-foot	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Inguinal Hernia	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...	—
Keel-shaped Palate	1	...	—	...	—	...	—	—	...	—	...	—	...	—	1	...	—
Obstetric Paralysis	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Scoliosis	1	...	1	...	—	...	2	2	...	1	...	1	...	4	6	...	0.2
Talipes	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
OTHER DISEASE OR DEFECT ...	39	...	27	...	23	...	89	17	...	32	...	7	...	56	145	...	5.6
Abscess	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Alopecia Areata	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Anaemia	—	...	—	...	—	...	—	—	...	1	...	1	...	2	2	...	0.1
Burn	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Cerumen	2	...	1	...	1	...	4	—	...	1	...	1	...	2	6	...	0.2
Chronic Nasal Discharge	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Chronic Nephritis	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Cretinism.....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Cuts	1	...	1	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Eczema	—	...	1	...	1	...	2	—	...	1	...	—	...	1	3	...	0.1
Enuresis	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...	—
Enlargement of Thyroid	—	...	—	...	—	...	—	2	...	—	...	1	...	3	3	...	0.1
Ext. audit meatus not patent.....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Follicular Tonsillitis	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Foreign body in eye	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Furuncle	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Ganglion	—	...	—	...	—	...	—	—	...	2	...	—	...	2	2	...	0.1
German Measles	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Haematoma	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Hodgkin's Disease	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Hutchinson's Teeth	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Ichthyosis	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Impetigo	6	...	3	...	10	...	19	5	...	7	...	1	...	13	32	...	1.2
Mole	1	...	—	...	1	...	2	—	...	—	...	—	...	—	2	...	0.1
Naevus	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Nasal Catarrh	—	...	2	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Otitis Media	—	...	—	...	—	...	—	—	...	2	...	—	...	2	2	...	0.1
Oxyuris Vermicularis	—	...	1	...	1	...	2	—	...	—	...	—	...	—	2	...	0.1
Psoriasis	—	...	2	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Pyorrhœa Alveolaris	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Rash	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Rheumatism	1	...	1	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Ringworm	2	...	—	...	—	...	2	1	...	—	...	—	...	1	3	...	0.1
Scabies	—	...	1	...	1	...	2	1	...	2	...	—	...	3	5	...	0.2
*Scar	16	...	8	...	5	...	29	7	...	8	...	1	...	16	45	...	1.7
Scarlet Fever.....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Seborrhœa	1	...	2	...	—	...	3	—	...	—	...	1	...	1	4	...	0.2
Sebaceous Cyst	—	...	—	...	—	...	—	—	...	—	...	1	...	1	1	...	—
Sores	—	...	—	...	2	...	2	—	...	—	...	—	...	—	2	...	0.1
Wart	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—

*Secondary to Healed Tubercle, Surgical Operations, Burns, etc.

BOARD OF EDUCATION TABLES.

TABLE I.

NUMBER OF CHILDREN INSPECTED 1st JANUARY, 1920, TO
31st DECEMBER, 1920.

A.—ROUTINE MEDICAL INSPECTION.

Age	ENTRANTS.					
	3	4	5	6	Other Ages.	Total.
Boys	45	81	146	61	—	333
Girls	28	68	141	83	—	320
Totals	73	149	287	144	—	653

Age	INTERMEDIATE GROUP.					LEAVERS.			Other Ages. 15	Total.	Grand Total.
	7	8	9	10	11	12	13	14			
Boys	660					190	143	35	8	1036	1369
Girls	660					173	77	7	—	917	1237
Totals	1320					363	220	42	8	1953	2606

B.—SPECIAL INSPECTIONS.

	Special Cases.	Re-Examinations (i.e., No. of Children Re-examined).
Boys	1618	1419
Girls		
Totals	1618	1419

TABLE II.
RETURN OF DEFECTS FOUND IN THE COURSE OF
MEDICAL INSPECTION IN 1920.

Defect or Disease	Routine Inspections		Specials	
	Number referred for Treatment	Number requiring to be kept under observation, but not referred for Treatment	Number referred for Treatment	Number requiring to be kept under observation, but not referred for Treatment
	(2)	(3)	(4)	(5)
Malnutrition	8	—	—	—
Uncleanliness—				
Head	—	567	5	—
Body	—	—	1	—
Skin—				
Ringworm—				
Head	3	—	125	—
Body	—	—	4	—
Scabies	5	—	114	—
Impetigo	32	—	181	—
Other Diseases (Non-Tubercular)	14	—	86	—
Eye—				
Blepharitis	11	—	6	—
Conjunctivitis	1	—	4	—
Keratitis	—	—	—	—
Corneal Ulcer	2	—	3	—
Corneal Opacities	—	—	—	—
Defective Vision	177	—	24	—
Squint	18	—	3	—
Other Conditions	9	—	34	—
Ear—				
Defective Hearing	205	—	26	—
Otitis Media	2	—	2	—
Other Ear Diseases	29	—	26	—
Nose and Throat—				
Enlarged Tonsils	102	243	52	—
Adenoids	2	20	14	—
Enlarged Tonsils and Adenoids... ..	6	88	21	—
Other Conditions	—	—	10	—
Enlarged Cervical Glands (Non-Tubercular)	—	234	—	8
Defective Speech	—	3	—	—
Teeth—				
Dental Disease (see Table on Page 18).				

TABLE II.—Continued.

Defect or Disease	Routine Inspections		Specials	
	Number referred for Treatment	Number requiring to be kept under observation, but not referred for Treatment	Number referred for Treatment	Number requiring to be kept under observation, but not referred for Treatment
(1)	(2)	(3)	(4)	(5)
Heart and Circulation—				
Heart Disease—				
Organic	—	12	—	5
Functional	—	—	—	—
Anæmia	2	—	—	—
Lungs—				
Bronchitis	16	—	1	—
Other Non-Tubercular Diseases...	3	—	9	—
Tuberculosis—				
Pulmonary—				
Definite	—	—	15*	—
Suspected	—	—	1	—
Non-Pulmonary—				
Glands	—	—	53*	—
Spine	—	—	1*	—
Hip	—	—	2*	—
Other Bones and Joints ...	1	—	10*	—
Skin	1	—	1*	—
Other Forms	1	—	22*	—
Nervous System—				
Epilepsy	—	—	—	—
Chorea	—	—	3	—
Other Conditions	3	—	2	—
Deformities—				
Rickets	—	21	—	3
Spinal Curvature	—	6	—	3
Other Forms	—	12	7	1
Other Diseases and Defects	30	5	251	8
Number of Individual Children having Defects which required treatment or to be kept under Observation	1418	...	1618	

* All known cases up to the age of 14 years. Previously only cases of school age have been counted.

TABLE III.

NUMERICAL RETURN OF ALL EXCEPTIONAL CHILDREN IN
THE AREA IN 1920.

	Boys.	Girls	Total.
Blind (including partially Blind)—			
Attending Public Elementary Schools	—	...	—
Attending Certified Schools for the Blind	1	...	1
Not at School	1	...	1
Deaf and Dumb (including partially Deaf)—			
Attending Public Elementary Schools	—	...	1
Attending Certified Schools for the Deaf	1	...	5
Not at School	1	...	2
Mentally Deficient—			
Feeble Minded—			
Attending Public Elementary Schools ...	3	...	9
Attending Certified Schools for Mentally Defective Children	1	...	2
Notified to the Local (Control) Authority during the year	2	...	2
Not at School	—	...	1
Imbeciles—			
At School	—	...	—
In Institution	1	...	1
Notified to the Local (Control) Authority during the year	2	...	2
Not at School	1	...	2
Idiots—			
Notified to the Local (Control) Authority during the year	—	...	—
Epileptics—			
Attending Public Elementary Schools	—	...	1
Attending Certified Schools for Epileptics	—	...	1
In Institutions other than Certified Schools	—	...	—
Not at School	—	...	—

TABLE III.—Continued.

Physically Defective —	Boys.	Girls	Total.
Pulmonary Tuberculosis—			
Attending Public Elementary Schools	5	5	10
Attending Certified Schools for Physically Defective Children	1	1	2
In Institutions other than Certified Schools	—	—	—
Not at School	—	3	3
Crippling Due to Tuberculosis—			
Attending Public Elementary Schools	1	1	2
Attending Certified Schools for Physically Defective Children	—	—	—
In Institutions other than Certified Schools	—	—	—
Not at School	—	—	—
Crippling Due to Causes other than Tuberculosis, i.e., Paralysis, Rickets, Traumatism—			
Attending Public Elementary Schools	4	1	5
Attending Certified Schools for Physically Defective Children	—	—	—
In Institutions other than Certified Schools	—	—	—
Not at School	—	—	—
Other Physical Defectives, e.g., Delicate and other Children suitable for admission to Open-air Schools; Children suffering from Severe Heart Disease—			
Attending Public Elementary Schools	—	2	2
Attending Open-air Schools	—	—	—
Attending Certified Schools for Physically Defective Children, other than Open-air Schools	—	—	—
Not at School	—	—	—
xDull or Backward—			
Retarded 2 years	151	100	251x
Retarded 3 years	33	30	63x

x Judged according to age and standard.

FOLLOWING-UP RETURN.

TABLE IV. Treatment of Defects of Children during 1920.

Condition.	No. of defects for which Treatment was necessary:		Left School or Town.	No. of Defects treated.	Results of Treatment:		No. of Defects not treated.		Percentage of Defects treated.	
	From Previous Year.	New.			Improved.	Unchanged.			1920	1919
Clothing and Boots	14	64	78	51	51	—	18	—	65.4	62.9
Cleanliness of Head	—	111	(a) 111	111	111	—	—	—	100.0	100.0
Cleanliness of Body	—	9	(a) 9	7	7	—	—	—	77.8	100.0
Nutrition	2	6	8	6	1	3	2	—	75.0	—
Tonsils and Adenoids	115	298	413	259	259	—	47	87	62.7	69.8
External Eye Disease	10	63	73	72	72	—	1	—	98.6	91.4
Ear Disease	15	95	110	96	92	4	14	—	87.3	80.2
*Permanent Carious Teeth	334	558	892	550	528	22	207	25	61.7	51.8
*Temporary Teeth requiring extractn.	461	833	1294	823	806	17	367	25	63.6	54.8
Heart and Circulation	29	4	33	28	6	12	10	—	84.8	70.7
Lungs: 1. Bronchitis	5	17	22	22	14	8	—	—	100.0	61.5
2. †Phthisis	8	7	15	15	2	9	4	—	100.0	50.0
Ringworm	40	109	149	145	116	29	—	—	97.3	93.5
Impetigo	—	266	266	266	265	1	—	—	100.0	100.0
Scabies	17	118	135	133	105	28	—	—	98.5	98.7
Eczema	—	8	8	8	5	3	—	—	100.0	94.7
†Tuberculosis (Non-Pulmonary)—										
Lymphatic Glands (Neck)	39	13	52	46	3	33	10	—	88.5	81.6
Spine	1	—	1	1	—	—	—	—	—	50.0
Peritoneum	4	1	8	7	—	4	3	—	87.5	66.7
Intestines	1	—	1	1	—	—	1	—	50.0	100.0
Foot	2	1	3	3	—	3	—	—	100.0	100.0
Hip	2	—	2	1	—	—	1	—	50.0	66.7
Knee-joint	1	2	3	2	—	2	—	—	66.9	33.3
Elbow-joint	1	—	1	1	—	1	—	—	100.0	100.0
Testis	1	—	1	1	—	1	—	—	100.0	100.0
Phalanges	1	1	2	2	—	2	—	—	100.0	100.0
Iris	1	—	1	—	—	—	—	—	—	100.0
Meninges	1	9	10	3	—	3	—	—	30.0	100.0
Mesenteric Glands	1	—	1	1	—	1	—	—	100.0	100.0
Ear	—	1	1	1	—	—	1	—	100.0	—
Arm	—	1	1	—	—	—	—	—	—	—
Lupus	—	1	1	1	—	1	—	—	100.0	—
Vision and Squint	282	254	536	387	(b) 386	1	98	8	72.2	43.1
Hearing	117	288	405	329	327	2	54	1	81.2	68.4
Totals	1505	3141	4646	3379	3156	191	32	806	146	72.7
										63.5

(a) This is the number of exclusions, and includes numerous relapses; in some instances the same name occurs twice.
 (b) Proper spectacles supplied, or certified by the Ophthalmic Surgeon to be able to manage without them.
 * Cases found by School Dental Surgeon not included.
 † All known cases up to the age of 14 years. Previously only cases of school age have been counted.