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CORPORATION OF GLASGOW

Health and Welfare Department

SCHOOL HEALTH SERVICE

REPORT

ON THE

**Medical Inspection and Treatment
of School Children**

FOR THE YEAR ENDED 31st JULY, 1956

Ordered by the Committee on Health and Welfare to be printed

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CORPORATION OF GLASGOW

Health and Welfare Department

SCHOOL HEALTH SERVICE

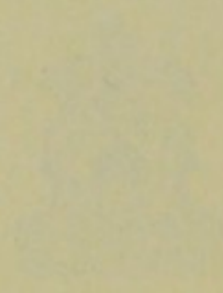
REPORT

ON THE

**Medical Inspection and Treatment
of School Children**

FOR THE YEAR ENDED 31st JULY, 1956

Ordered by the Committee on Health and Welfare to be printed



CORPORATION OF CLARION
SCHOOL HEALTH SERVICE

SCHOOL HEALTH SERVICE

REPORT

Medical Inspection and Treatment
of School Children

FOR THE YEAR 1954-55

Submitted to the Board of Education, Clarion, Pa.

CONTENTS.

	<i>Page</i>
GENERAL INTRODUCTION	4
1. LIST OF STAFF	7
2. GENERAL STATISTICS	8
3. SANITARY CONDITIONS OF SCHOOLS	9
4. ORGANISATION AND ADMINISTRATION—	
Inspection	9
Treatment	10
Dental Inspection and Treatment	10
School Nursing and arrangements for Following-up	11
Co-ordination with other Departments	11
Co-operation with other Agencies	13
Co-operation with Teachers and Parents	14
5. THE FINDINGS OF MEDICAL INSPECTION—General Review	14
6. MEDICAL TREATMENT—General Review	17
Cuts, Bruises, Sprains, etc.	19
Diseases of the Ear	20
Defective Hearing	21
Diseases of the Eye	22
Diseases of the Skin	23
Defective Vision; Supply of Spectacles	24
Operations—Ear, Nose and Throat	25
Orthopaedic Treatment	27
General Diseases; Medicines	29
Artificial Light Treatment; Cardiac Clinics	30
Investigation of Asthma	31
7. DENTAL INSPECTION AND TREATMENT	32
8. SPECIAL SCHOOLS, CLASSES AND RESIDENTIAL SCHOOLS	33
9. PHYSICAL EDUCATION AND PERSONAL HYGIENE	37
10. FEEDING AND CLOTHING OF CHILDREN; MILK IN SCHOOLS	38
STATISTICAL AND OTHER APPENDICES.	
TABLE I—Total numbers of children examined	40
APPENDIX Ia—Notifications to parents	42
APPENDIX Ib—Age distribution of children	44
TABLE II—Numbers and percentages of children suffering from defects	46
APPENDIX IIa—Systematic examinations—additional information	54
APPENDIX IIb—Vision and hearing of "1948" children	56
APPENDIX IIc—Average measurements of children	57
TABLE III—Classification according to remediability of major defects	62
APPENDIX IIIa—Inspection of special cases... ..	64
APPENDIX IIIb—Other special inspections (leaving interviews, holiday and harvesting camps)	64
APPENDIX IIIc—Cleanliness inspection in schools by nurses	65
APPENDIX IIId—Cleanliness supervision at selected schools	67
TABLE IV—Exceptional children	68
TABLE V—Dental inspection and treatment	69
APPENDIX VI—Summary of inspection and treatment statistics	72
APPENDIX VII—Nursery schools and day nurseries (results of inspection)	75
APPENDIX VIII—Prevention of Tuberculosis	77
APPENDIX IX—Medical supervision of Remand Home	80
APPENDIX X—Diphtheria immunisation campaign	81
APPENDIX XI—Speech therapy	81
APPENDIX XII—Audiometric surveys	84
APPENDIX XIII—Mortality of school children	87
APPENDIX XIV—Social group and medical class	88
APPENDIX XV—Housing conditions	89

GENERAL INTRODUCTION

This Report is the forty-seventh since the establishment of medical inspection in Glasgow in the year 1909, the twenty-sixth since the transfer to the Health Department of the Corporation in 1930 and the eighteenth since the form of report was re-cast following the introduction throughout the country of a uniform method of recording at the request of the Department of Health for Scotland.

The periods of duty given by school medical officers were increased, allowing of more time to be devoted to the various schemes. Many more visits than usual were paid for the purpose of general inspection but campers' examinations were fewer. As regards routine medical inspection, more children in the selected age-groups were systematically examined due, mainly, to the increased numbers of 9 year-olds—the result of the early post-war rise in the birth rate which, however, proved to be merely temporary. Greater numbers of pupils were specially presented to school medical officers by teachers and greater numbers were re-examined.

On the treatment side, the expansion noted in the 1955 Report was continued, during the period under review, by the opening of three more treatment centres, viz. at Pollok (replacing Leithland Road), Castlemilk and Garthamlock in that order, where minor ailments were treated and, in the case of the first named clinic, refraction and dental treatment were also made available.

Some expansion was also undertaken in connection with the investigation and treatment of ear, nose and throat conditions; two additional aurists being appointed, although this gain was offset by the loss of another aurist during the year. The T. & A. operations scheme was reorganised by the arrangement of special clinic sessions when the two specialists mentioned above examined all cases previously recommended for operation by school medical officers. Where recommendations were confirmed by the specialists, the cases were admitted for operation as soon as possible, but as these were insufficient in number to utilise to the full the hospital bed allocation, the difference was made up from cases who had been longest on the waiting list, although not confirmed by the specialists. During the same period, however, Stobhill Hospital discontinued its scheme for T. & A. operations.

The results of systematic examination in ordinary schools were variable but, on the whole, the health of the Glasgow child could be regarded as good—the percentage (47·6) with no discoverable defect was only previously surpassed in 1954. Moreover, the high level in general physique was maintained, as evidenced by the increased height and weight averages. The continued improvement during the post-war years in the average measurements of boys and girls in the three main age-groups is shown in the following table.

Age Group	Increase at 1956 compared with 1945.			
	Boys.		Girls.	
5 year-olds ...	0·47 ins.	0·86 lbs.	0·49 ins.	0·87 lbs.
9 year-olds ...	0·79 ins.	2·54 lbs.	0·79 ins.	3·47 lbs.
13 year-olds ...	0·87 ins.	4·76 lbs.	0·67 ins.	4·75 lbs.

Another satisfactory feature was the improvement in regard to uncleanness and this improvement was corroborated by the findings of cleanliness inspectresses of the School Health Service and nurse inspectresses of the Sanitary Department working independently. The continued success of the scheme of cleanliness supervision in selected schools is also worthy of mention, and particularly the six units where full-time welfare attendants were employed.

An interesting account of an investigation of asthma appears in this Report and would seem to establish that the possibility of allergic origin in cases of asthma in children should be seriously considered.

On the dental side, staffing difficulties mainly reduced the numbers who could be given routine dental inspection and subsequently treated. However, comparatively more patients were given fillings and the overall ratio of fillings to extractions again rose.

Other items in this Report include a note on co-operation with Divisional Medical Officers in connection with school children contacts of tuberculous cases. Arrangements (including transportation) were made for such children to be X-rayed after mantoux test and B.C.G. vaccination where applicable. The School Health Service also co-operated in the poliomyelitis vaccination campaign during the months of May and June.

A special survey of the housing conditions of the children seen at routine medical inspection revealed many interesting facts. For instance, the movement from the smaller to the larger house over many years was clearly indicated and the resultant benefit to health. These and other points are discussed in the Appendix, and several tables and charts are provided as illustrations.

Fewer deaths among school children were reported during the school year, the reduced number of fatalities due to violence being mainly responsible. The improvement in respect of tuberculosis is also worthy of note and, of course, the fact that during yet another year there were no deaths from diphtheria.

I should like to express to the Conveners and members of the Health and Welfare and Education Committees my thanks and appreciation for their support and encouragement in the work of the School Health Service. I would also thank the Director of Education and his staff; Senior Architect; Headmasters and Class Teachers for their assistance and willing co-operation. Finally my appreciation and thanks are due to the Medical, Dental, Nursing and Clerical Staff for their efforts and especially to Mr. James A. Stewart for the collation and presentation of the statistical matter included within this Report.

JAMES EWAN,
M.D., D.P.H., D.P.A.,
Principal Medical Officer

155 BATH STREET,
GLASGOW, C.2.
21st March, 1957.

1.—LIST OF STAFF

(a) WHOLE-TIME STAFF.

1 Principal Medical Officer ; 2 Assistant Principal Medical Officers (1 for Child Guidance Work) ; 20 School Medical Officers⁽¹⁾ ; 1 Chief Dental Officer ; 15 School Dental Officers ⁽²⁾ ; 1 Superintendent School Nurse ; 79 School Nurses (including 7 employed as Cleanliness Inspectresses and 3 with Spray Baths Units) ⁽³⁾ ; 5 Speech Therapists ⁽⁴⁾ ; 1 Occupational Therapist ⁽⁵⁾ ; 9 Physiotherapists (including 6 Physical Training Teachers seconded to Orthopaedic Clinics) ⁽⁶⁾ ; 3 Audiometricians ⁽⁷⁾ ; 1 Assistant Administrative Officer ; 34 Clerks ⁽⁸⁾ ; 17 Dental Attendants ⁽⁹⁾ ; 1 Default Officer ; 1 Dispensing Optician.

- (1) *Dr. Doris M. Beaton, Dr. Francis J. O'Hagan and Dr. Stella M. B. Perry were appointed on 22.8.55.*
- (2) *Mr. Thomas Kennedy and Mr. John Anderson resigned on 31.10.55 and 30.6.56 respectively. Miss Alice Paton retired on 20.3.56. Mr. Alexander Ferguson and Mr. Douglas Beacher were appointed on 1.8.55 and 1.5.56 respectively.*
- (3) *During the session 2 nurses resigned and 4 were appointed.*
- (4) *Miss Marion Guy and Miss Mary Mc Kerchar resigned respectively on 16.12.55 and 18.5.56.*
- (5) *Miss Novah Barrett was appointed on 5.12.55.*
- (6) *Miss Christine A. Porteous resigned on 25.5.56.*
- (7) *Miss Isobel Doran was appointed on 3.4.56.*
- (8) *During the session 6 clerks resigned and 4 were appointed.*
- (9) *During the session 1 dental attendant was appointed.*

(b) PART-TIME STAFF.

2 Dentists ⁽¹⁾ ; 18 Consultants ⁽²⁾ ; 1 Dental Attendant.

- (1) *Mr. John Anderson went on part-time from 16.7.56.*
- (2) *All are seconded to school health work by arrangement with the Western Regional Hospital Board (1 Dermatologist, 1 Cardiologist, 7 Aurists—1 for tonsils and adenoids operations only—1 Orthopaedic Surgeon, 1 Anaesthetist, 1 Ophthalmologist, 6 Oculists).*

Local doctors and dentists undertook emergency duties at the residential schools and at Mossbank Approved School in accordance with separate arrangements made with the local Executive Councils.

Other members of the staff primarily engaged in dental treatment of ante-natal patients and nursing mothers are detailed below. The whole-time staff devoted a small proportion of their time to school dental work.

ANTE-NATAL DENTAL STAFF.

Whole-time.

1 Dental Officer ; 1 Nurse ; 5 Workshop Technicians.

Part-time.

1 Dental Officer ⁽¹⁾.

- (1) *Chief Dental Officer also gives part-time to ante-natal work.*

Of the total of 10,965 periods (half-days) worked by School Medical Officers, 8,962 were given to medical inspection and treatment and 2,003 periods were devoted to other work as follows:— residential school examinations, 464 ; junior club and school camp examinations, 322 ; examinations for holidays abroad and educational excursions, 71 ; harvesters' examinations, 65 ; diphtheria immunisation, 558 ; general inspection at schools, 249 ; examinations of school meals service staff, 126 ; B.C.G. vaccination, 124 ; and 24 periods to examinations of pre-vocational students.

Of the total of 8,036 working periods, School Dental Officers devoted 7,821 to the normal work of dental inspection and treatment and 215 periods to duties (including holiday relief) in the Ante-natal section.

Included in the working periods shown above is the time spent on administrative duties by the Principal Medical Officer and the Assistant Principal Medical Officer (General) and the Chief Dental Officer, as well as half-days devoted to the meetings of both medical and dental staffs.

2.—GENERAL STATISTICS

Area of City in acres	39,725
Population of the area (estimated) ...	1,085,100
Density of Population per acre ...	27
Number of Schools—	
(a) Primary	178
(b) Junior Secondary ...	48
(c) Senior Secondary (including 2 Comprehensive Schools)	31
(d) Schools for Handicapped Children	25
(e) Approved Schools	1
(f) Residential Schools ...	13
(g) Nursery Schools	40
(h) Hospital Schools	6
(i) Agricultural Schools ...	1
(j) Gardening Schools	1
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Total Schools Under Education Authority ...	344
(k) Schools in receipt of grant and under medical inspection	4
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	348

There were also 10 Occupational Centres housed in ordinary schools.

The average number of children on the register of all schools was 177,112 and the average number in attendance during the year was 160,090 (90·4 per cent.).

3.—**SANITARY CONDITION OF SCHOOLS**

See Report for 1954, page 11.

During the 1955-56 Session, 249 visits were paid to 208 schools and the following is a summary of the conditions found. "Nothing to report" was returned in 33 instances and the principal defects discovered in the remainder were : inadequacy of washing facilities, (102) ; disrepair of playground surfaces and lack of sufficient shelters, (62) ; absence or inadequacy of medical inspection room, (33) ; insufficiency of cloakroom accommodation, (46) ; defects of lighting and heating, (60) ; insufficiency of staffroom accommodation, (52) ; defects of W.C.s and lavatories, (85) ; disrepair or inadequacy of drinking fountains, (24) ; defective ventilation, (20). Other complaints included various structural defects, (56) ; disrepair of flooring, (13) ; defective drainage, (9) ; dirty walls, etc., (13) and miscellaneous defects, (12).

4.—**ORGANISATION AND ADMINISTRATION**

A. *SYSTEM AND EXTENT OF MEDICAL INSPECTION AND TREATMENT.*

See Report for 1954, page 13.

INSPECTION.

Routine medical inspection in ordinary schools was given to entrants-infants and those born in 1942, 1946 and 1939 ; nurses tested, for vision and hearing only, those born in 1948.

Other arrangements were broadly similar to those which obtained in the previous year.

TREATMENT.

A list of the school clinics and the services given were as follows :—

CLINIC	Skin, Eye, Ear and other minor diseases	Refraction	Dental	X-Ray (Skin Treatment)	Ultra-violet Ray	Orthopaedic	Scabies Baths
20 Halbeath Avenue, W.5.	1	1	—	—	—	—	—
18 Plean Street, W.4.	1	1	1	—	—	—	—
4 Sandy Road, W.1	1	1	1	—	—	—	—
130 William Street, C.3	1	1	1	1	1	—	—
60 Avenuepark Street, N.W.	1	1	1	—	—	1	—
Henderson Street School, N.W.	1	—	—	—	—	—	—
Dobbie's Loan School, C.4.	1	—	—	—	—	—	—
91 Denmark Street, N.2	1	1	2	—	—	—	—
Hyde Park School, 70 Mollinsburn Street, N.1	1	1	1	—	—	—	—
15 Glenbarr Street, N.1	1	1	4	—	1	1	1
5 Craiglockhart Street, E.3	1	—	—	—	—	—	—
155 Crail Street, E.1	1	1	2	—	—	—	—
23 Acorn Street, S.E.	1	1	—	—	—	—	—
10 Redan Street, S.E.	—	—	1	—	—	—	—
22 Arnprior Quadrant, S.5	1	—	—	—	—	—	—
Calder Street School, S.2	—	—	1	—	—	—	—
26 Florence Street, C.5	1	1	2	—	1	1	1
20 Harriet Street, S.3	1	1	1	—	—	1	—
29 Govan Road, S.W.1	1	1	1	—	—	—	—
Broomloan Road School, S.W.1	1	—	—	—	—	—	—
Fairfield School, Fairfield Street, S.W.1	—	—	1	—	—	—	—
74 Berryknowes Road, S.W.2	1	—	—	—	—	—	—
Netherplace Road, S.W.3	1	1	1	—	—	—	—

Pollok Clinic, Netherplace Road, S.W.3 was opened on 8.8.55 for treatment of minor ailments (replacing Leithland Road Clinic); dental treatment was provided from 5.9.55.

Castlemilk Clinic, Arnprior Quadrant, S.5 was opened on 18.10.55.

Garthamlock Clinic, Craiglockhart Street, E.3 was opened on 15.11.55.

Calder Street and Harriet Street Dental Clinics functioned on three days per week from 3.10.55 and 6.10.55 respectively.

Other treatment facilities were provided as before.

B. SYSTEM AND EXTENT OF DENTAL INSPECTION AND TREATMENT.

See Report for 1954, page 17.

The scheme continued unchanged except for temporary modifications due mainly to staffing conditions.

Extractions from the Chief Dental Officer's report on the year's work appear on page 32 and the detailed statistics on Table V, pages 69 to 71.

C. *SCHOOL NURSING AND ARRANGEMENTS FOR FOLLOWING UP.*

See Report for 1954, page 17.

During the Session, the nursing staff devoted 37,278 periods (half-days) to the work of medical inspection and treatment of children (including home visitation) ; 458 periods to examinations in connection with holidays abroad, educational excursions, junior club and school camps and harvesting ; 464 to the examination of children proposed for admission to residential schools ; 558 to diphtheria immunisation ; 126 to examinations of school meals' staff and 24 periods to examinations of pre-vocational students—total periods 38,908. Visits totalled 1,898, of which 539 were home visits (to 480 children) ; nurse inspectresses from the Sanitary Divisions also visited homes in connection with uncleanness discovered in the schools. During the same period, dental attendants devoted 8,571 periods to the work of routine inspection and clinic treatment.

D. *CO-ORDINATION WITH THE PUBLIC HEALTH SERVICE AND WITH OTHER DEPARTMENTS OF THE AUTHORITY WHICH RENDER SERVICES TO CHILDREN.*

See Report for 1954, page 19.

Details of the diphtheria immunisation " drive " in schools during 1956 are given in Appendix X, page 81 and particulars of the B.C.G. vaccination campaign are shown in Appendix VIII, page 77.

As the result of an inquiry, towards the end of Session 1954, into the prevalence of epilepsy amongst school children, 93 alleged cases attending ordinary schools were reported by teachers. School medical officers were asked to keep these cases under observation and to submit a report on each. The results may be summarised as follows :

65 children appeared to be definite cases (56 with the minor and 9 with the major condition), 10 were indefinite or not epileptic, while reports were not available for the remainder, some of whom were absent when the doctor called or had previously left school. Of the definite cases, 7 were subsequently transferred to special schools and, in regard to the others, most had improved after treatment.

In connection with the medical examination of employees and candidates for posts in school meals' kitchens, 937 persons were summoned and 883 attended with the following results :—

New Staff.—246 were examined, of whom 35* were considered unfit by reason of the following defects: unsatisfactory X-ray, 7; general condition, 4; varicose veins, 3; obesity, 2; defective hygiene, 5; high blood pressure, 3; low blood pressure, 2; nervous condition, 1; back injury, 1; hernia, 1; albuminuria, 1; defective vision, 2; dental defect, 1; skin condition, 1; ear condition, 1.

Old Staff.—637 were examined, 12 of whom were certified unfit on account of:—general condition, 2†; varicose veins, 1†; defective hygiene, 1; high blood pressure, 2; nervous condition, 1†; arthritis, 1; skin condition, 2; ear condition, 1†; infected throat, 1†.

* 3 of these (unsatisfactory X-ray results, 2; dental defect, 1) were later accepted for employment.

† These persons later returned to duty.

An appeal for temporary assistance was received from the medical staff of the Health and Welfare Department responsible for the examination of Corporation employees as to fitness for admission to the Superannuation Scheme. School Medical Officers undertook a number of sessions, on Saturday mornings, at William Street Clinic, where they examined employees of the Education Department (excluding clerical staff) to the number of 354. Summoning notices totalling 411 were issued and 384 attendances (including 30 for the second time) were recorded.

Of the 354, 320 were passed as fit, 14 were postponed for later examination and 20 were considered unfit by reason of the following defects:—unsatisfactory X-ray, 2; chronic bronchitis, 2; heart condition, 5; varicose veins and deafness, 1; varicose veins and varicose ulcers, 1; albuminuria, 1; high blood pressure, 4; pleurisy, 1; obesity, 1; Paget's disease, 1; Hodgkin's disease, 1.

Poliomyelitis Vaccination. The School Health Service co-operated in a national campaign. Leaflets and consent cards were issued at school clinics and at schools. During the period, 10th to 31st May, 1956, School Medical Officers gave a first injection of the vaccine to 1,273 children out of a total of 1,586 registered in the specified age-groups. Injections were postponed on 164 children for medical reasons and 149 others failed to attend the clinics.

From 7th to 28th June, 1956, 1,010 children were given a final injection; of the remaining 263, 5 had been transferred out of Glasgow, 67 failed to attend, whilst 49 were postponed for medical reasons and 142 because of lack of material.

E. CO-OPERATION WITH OTHER OUTSIDE AGENCIES.

See Report for 1954, page 23.

By arrangement with Glasgow University, 15 D.P.H. students visited a number of schools and school clinics and a school nurse continued to be seconded in connection with an investigation into the social adaptation of families following re-housing.

The Mass Radiography Unit again undertook the examination of school children at intervals when the Unit was available. Details will be found in Appendix VIII, page 78.

The infectious disease hospitals referred 98 school children (post-pneumonia cases) to the School Health Service clinics for examination and after care. Of the number reported, 26 failed to appear or intimated that they were receiving private treatment, 3 were found to be requiring no further attention, 13 were dealt with at "general" school clinics and 4 were recommended for convalescent holidays. The remaining 52 were placed on the list for artificial light therapy.

During the year, school clinics referred 293 cases (189 boys and 104 girls) direct to hospital, the ailments from which they suffered being as follows :—

<i>Skin—</i>	Boys.	Girls.
Wounds, etc. (minor injuries) ...	99	52
Fractures	20	12
Other skin conditions	38	32
<i>Eye</i>	23	8
<i>Ear, Nose and Throat</i>	9	—
<i>General</i>	—	—
	189	104

Biggart Hospital Home, Prestwick, continued to allocate 40 beds for Glasgow school children selected by the School Health Service. During the year, 208 children were summoned to school clinics for preliminary medical examination and, of the 178 who attended, 158 were considered suitable for admission to the Home.

Medical examination of 10 children going to the Children's Village, Humble, was undertaken at the request of the University Settlement.

In connection with the national survey of children born in a certain week in March, 1946, 119 schedules were completed and forwarded to the Joint Committee.

F. *CO-OPERATION WITH TEACHERS AND PARENTS, WITH SPECIAL REFERENCE TO THE ATTENDANCE OF PARENTS AT INSPECTION.*

See Report for 1954, page 26.

The attendance of parents at the routine medical inspection of their children was slightly improved during the period under review, the percentage (60·3) comparing with 59·9 in the year 1955.

5.—**THE FINDINGS OF MEDICAL INSPECTION**

GENERAL REVIEW

(Detailed statistics on pages 40 to 67).

Additional schools were opened during the Session, 7 for primary, 1 for junior secondary and 1 for handicapped pupils. The average number of pupils on the register of all schools during 1956 was 177,112 compared with 176,688 in 1955 and 177,403 in 1954.

Table I (pages 40 and 41), shows the total number of school children examined in the several age-groups during the year ended 31st July, 1956; relative statistics are also given for each of the two immediately preceding years. In "ordinary" schools, 51,487 pupils were systematically examined, a total which, except in the years 1954 and 1953, had only once previously been surpassed—in 1936. The rise was mainly due to the increased numbers of children in the second age-group—the result of the early post-war birth-rate increase (i.e., in the years 1946 and 1947). The falling numbers of entrants examined reflected the downward trend in the birth-rate after 1947. Slightly more handicapped pupils than in 1955 were examined during the year.

Other examinations *in schools* were again more numerous—the highest ever recorded—due mainly to increased examinations of "non-routines" and "abnormals." Examinations *mainly at clinics* were fewer, principally as the result of reduced numbers examined in connection with harvesting and other camps. *Cleanliness inspections* by nurses were slightly reduced but results were satisfactory.

Appendix Ia, page 42, gives numbers and percentages of children notified to parents as in need of treatment for certain conditions observed at routine examination. The total percentage of notification was smaller although percentages in respect of entrants and the sixteen

year-olds were increased. Appendix IIa, page 54, provides further details regarding notification of parents.

Appendix Ib, page 44, shows the age distribution of children seen at the date of systematic examination. More pupils in the second age-group were examined as already mentioned in the notes on Table I. The numbers examined in the third age-group were also more numerous.

In Table II, pages 46 to 52, the results of systematic examination of children in "ordinary" schools during the year are set out to show the numbers and percentages of the children in the selected age-groups who were found to be suffering from one or more of the listed defects. Totals for the years 1955 and 1954 are supplied for comparison. The following are some brief comments on the tabulated information.

Unsatisfactory clothing and unsatisfactory footgear remained at the same low percentage (0.1) in each case, equalling the previous best.

Uncleanliness (8.5 per cent) was improved to the best percentage since 1950. Returns from cleanliness inspectresses and sanitary nurses also indicated considerable improvement.

Skin diseases continued to increase, though slightly; "others" (comprising cuts and bruises, acne and warts) mainly being responsible.

Defective nutrition (4.1 per cent.) was recorded more frequently but the percentage was better than in any year prior to 1953. This condition, however, is one where differing standards are likely to influence results, especially where new staff are involved.

Mouth and teeth unhealthy (oral sepsis) at 1.8 per cent., was the best since 1952.

Naso-pharyngeal defects continued to increase, the percentage (9.7) being the highest since 1951. The rise was mainly due to the increased numbers of cases recommended for tonsils operation.

External eye disease (4.6 per cent.) reached the highest percentage since 1948 which it equalled and the increases were fairly general. *Defective vision (12.0 per cent.)* was again much improved and in fact had the best percentage since 1939.

Ear conditions (1.3 per cent.) were the best since 1953 whose percentage it equalled; the decrease was mainly due to the reduced incidence of otorrhoea.

Speech defects (0.8 per cent.) showed a slight rise but this had no particular significance.

Mental and nervous conditions (0.4 per cent.) were also increased but the percentage for these conditions was very small.

Diseases of the circulatory system gave the same percentage (1.1) as in 1955 which compared favourably with 1.0 per cent. in 1953, the lowest ever recorded.

Lung diseases (3.1 per cent.) were slightly improved but the incidence of these conditions had always been subject to some fluctuation.

Deformities (2.4 per cent.) showed slight increase over 1955, the figure being the highest for some years. Increases were recorded for congenital and "other causes" but these were offset by reduced numbers with probable rickets.

Infectious diseases (0.0 per cent.) and *diabetes* (0.0 per cent.) remained satisfactory; *asthma* (0.4 per cent.) showed a slight increase for the first time since it was separately shown in the 1953 Report; and *other diseases or defects* were improved over the previous year's figure.

Appendix IIa, page 54 gives additional information extracted from the returns of routine medical inspection. The *attendance of parents* at the examination of their children was slightly improved compared with previous year but could be bettered, especially as regards younger children. More *notifications to parents* were given verbally in respect of defects of clothing, cleanliness, etc. Slightly more were *noted for re-inspection* regarding defects of clothing but considerably less for "other defects." *Exclusions from school* were again practically negligible. The percentage (47.6) of children with *no recorded defect* was improved and was only bettered by the 1954 figure which was the highest ever recorded. *Sound teeth* returned the best percentage for some years. *Visual acuity* was again improved—the percentage with good sight among those at the examination wearing glasses was the best ever and, for those not wearing glasses, was the best since 1953. The percentage (86.6) of children protected against *diphtheria* was the best ever recorded in these Reports but the percentage vaccinated against *smallpox* (70.0) was again unsatisfactory and continued the decline which had been noted in the past few years.

In Appendix IIb, page 56, the results of the partial examination of children born in 1948 are given and totals for Sessions 1955 and 1954 are supplied for comparison. Fewer children were tested than in 1955 and the percentages were less satisfactory, particularly as regards visual acuity. The reduced percentage of children with "good" vision was

due to a deterioration among children not wearing glasses at the examination.

Appendix IIc, page 57, gives details of the average heights and weights of children measured at routine inspection in 1956 and for each of the years back to 1947. Graphs of the post-war figures are also given. The average measurements showed general improvement at all ages.

Table III, page 62, classifies the results of systematic medical inspection according to the remediability of the major defects observed in the children. The percentage (64·8) of children free from defects (other than clothing, cleanliness or minor dental defects) again fell to the lowest since 1951 due to increases among the less remediable types of ailment.

Appendices IIIa and IIIb give particulars of certain "other examinations" listed in Table I, Appendix IIIc details the results of cleanliness inspection by nurses, while Appendix III d summarises the findings of the year's work in the "Hygiene Units." The satisfactory results of cleanliness inspection by nurses have already been mentioned above under the notes on Table II and it may be noted that an improvement was also reported by the Hygiene Units and especially in those where full-time attendants were employed.

The results of medical inspection in nursery schools are summarised in Appendix VII, page 75, and Appendix VIII, page 77, introduced last year, describes the measures adopted for the prevention of tuberculosis amongst school children. Appendix IX, page 80, gives a brief note on the medical supervision of the Remand Home and Appendix XIV shows the relationship between the parent's occupation and the remediability classes of Table III.

6.—MEDICAL TREATMENT

GENERAL REVIEW

(Detailed statistics on pages 19 to 31 and 81 to 86).

In the aggregate, fewer cases were treated during the year and the total attendances were also reduced. The largest decrease was among ear conditions but this was offset by a considerable rise in attendances for the treatment of skin diseases. Other diseases varied, some showing slight increases and some decreases. Brief explanatory notes on each group of defects are given below.

Cuts, bruises, minor injuries, etc., rose again to the largest number of such cases ever recorded. This consistent rise each year was a clear

indication that the school clinic retained its popularity for the treatment of superficial ailments.

New cases of *ear disease* seen by Aurists and School Medical Officers were fewer than for some time past but more new cases attended clinic than did so last year. Total attendances at the clinics were much reduced mainly by reason of the improved treatment methods. The certifying Aurist and his assistant continued to attend clinics to examine and advise as regards children with *defective hearing* referred mostly from the audiometric surveys. They also paid a number of visits to the four special schools in order to review progress of the pupils. The total number of examinations in connection with the grading of hearing defects was smaller as most of the children had been classified in the previous year.

New *eye disease* cases again increased—if cases brought forward are omitted—to the largest total since the year 1939. The increase was mainly due to the greater numbers treated for blepharitis and hordeolum, offset by a fall in catarrhal conjunctivitis cases.

Skin disease new cases were approximately the same as last year in the aggregate, but increases in scabies and ulcers and abscesses were noted, while the numbers of impetigo and "single visit" cases continued to fall.

Fewer children with *defective vision* were dealt with at refraction clinics—the smallest number since 1950. The position, however, would have been worse but for a reorganisation put into effect during the latter part of the school year, which included the stepping-up of the number summoned per half-day period to refraction clinics and the appointment of additional staff. By means of this reorganisation (albeit additional staff only became available late in the Session) a potential fall of 2,500 in clinic attendances was converted to one of approximately 1,000, whilst a probable reduction of 1,700 in the supply of new glasses was improved to one of a mere 500—all fewer than the total for 1955.

Tonsils and adenoids operations were fewer than for some years—since 1948—due to the poliomyelitis ban which lasted from 29.8.55 to 20.11.55, and to the discontinuance of tonsils and adenoids operations at Stobhill Hospital as from 10.4.56. An innovation was the adoption of a scheme whereby a number of children on the Western District Hospital waiting list were examined by one or other of two of the operating Aurists. Of the total of 538 children examined by these Aurists during the period, 197 were approved for tonsil and adenoid

operation and another 125 recommended for audiogram *and* tonsil and adenoid operation.

Fewer *orthopaedic* cases than last year were admitted to hospital but more were seen at the school clinics and more were treated by exercises. Attendances at clinics, however, were again fewer but more treatments were given at the Spastic Unit in Kelbourne School as the period was the first complete year since the Unit was inaugurated.

New cases of *general diseases* were slightly fewer due mainly to a drop in the numbers of "single visit" cases, although bronchitis and bronchial catarrh, anaemia and debility were more numerous than for some years past. *Medicine* was supplied to fewer children.

Artificial light treatment cases were somewhat reduced from last year's total which, however, was exceptionally high.

At the special *cardiac clinic* total numbers examined were reduced. The scheme was successfully continuing except that the graded physical training recommended was not being given in all cases.

A report on the working of the *asthma clinic* showed that almost 200 cases had been investigated over a period of years and that 40 per cent. showed positive allergic reactions. In 70 per cent. of those given sensitising injections, marked improvement was shown.

Fewer cases of *speech defect* were treated but the total treatments at the Spastic Unit were increased for the same reason as given under the notes on orthopaedic cases above.

The *diphtheria immunisation campaign* in schools was again satisfactory and, although the total injections given were fewer than in 1954, they compared favourably with the returns for other years.

(A) MINOR AILMENTS

Throughout the treatment tables, "Single visit cases" includes those treated and disposed of at first visit, cases not for treatment, and cases without apparent disease.

(1) CUTS, BRUISES, SPRAINS, MINOR INJURIES, ETC.

Details of new cases—	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Cuts, bruises, sprains, etc. ...	2,356	1,163	3,519	3,094	3,023
Burns and scalds ...	260	163	423	415	333
Totals...	2,616	1,326	3,942	3,509	3,356

The attendances are included with those for skin conditions (page 23).

(2a) DISEASES OF THE EAR.

Examined only.

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Recommended operations for tonsils and/or adenoids ...	163	179	342	390	494
Other operations recommended	—	—	—	—	—
Referred to hospitals ...	2	1	3	—	—
Single visit cases ...	380	271	651	729	780
Totals... ..	545	451	996	1,119	1,274

Treated at clinics.

Details of new cases—

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Chronic suppurative inflammation (otorrhoea)—Single ...	240	143	383	384	413
Double ...	32	24	56	71	65
Results of above diseases ...	6	8	14	16	50
Retracted membrane ...	48	31	79	107	89
Chronic aural catarrh ...	2	2	4	6	3
Ceruminous collection (wax) ...	162	177	339	332	325
Nasal catarrh ...	29	27	56	43	41
Laryngitis ...	1	—	1	—	2
Polypus ...	1	—	1	—	1
Other diseases ...	101	103	204	137	109
	622	515	1,137	1,096	1,098
Cases from previous session ...	463	337	800	773	952
Totals... ..	1,085	852	1,937	1,869	2,050
Clinic attendances of above cases ...	18,482	13,001	31,483	36,927	41,324

Examinations by Specialists.

Cases to the number of 1,801 (1,009 boys and 792 girls) were summoned to school clinics for examination by aurists. Of that total 502 (260 boys and 242 girls) failed to attend, the remainder being dealt with as under :—

At school clinics—

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Recommended operation for tonsils and/or adenoids ...	20	32	52	53	71
Other operations recommended	4	1	5	2	1
Referred to hospital ...	76	43	119	125	123
For X-ray ...	64	50	114	77	107
Other recommendations and treatments ...	585	424	1,009	1,019	896
	749	550	1,299	1,276	1,198

In addition to the foregoing, 9 (5 boys and 4 girls) children were referred for specialist examination to the Ear, Nose and Throat Hospital (Hearing Aid Clinic) by arrangement with the Hospital Board organisation. Reports totalling 57 were received during the period and these may be summarised as follows :—

	1956.		1955.		1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
At E.N. and T.H. (H.A. Clinic)—					
Recommended operation for tonsils and/or adenoids ...		1	1	25	29
Other operations recommended			—	2	6
Referred to hospital ...	3	4	7	23	16
For X-ray ...	4	1	5	9	19
Other recommendations and treatments ...	18	18	36	60	90
	<u>25</u>	<u>24</u>	<u>49</u>	<u>119</u>	<u>160</u>
Failed to attend ...	4	4	8	16	37
Total number of reports ...	<u>29</u>	<u>28</u>	<u>57</u>	<u>135</u>	<u>197</u>

X-ray Examinations.

Cases totalling 211, which included some children from the audiometric surveys, were X-rayed in Stobhill or Southern General Hospitals, on the recommendation of the specialists, with the results as shown. A few were X-rayed for more than one condition.

	Positive.		Negative.		Totals.		
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Total.
Sinuses ...	64	38	31	36	95	74	169
Mastoids ...	18	17	1	—	19	17	36
Chest ...	1	1	1	1	2	2	4
Antra ...	1	—	1	—	2	—	2
Total examinations ...	<u>84</u>	<u>56</u>	<u>34</u>	<u>37</u>	<u>118</u>	<u>93</u>	<u>211</u>

(2b) DEFECTIVE HEARING.

See Report for 1955, page 20.

The certifying Aurist and his assistant continued to visit school clinics to examine children reported to be suffering from defective hearing, mainly cases referred from the audiometric surveys. They also visited, from time to time, the children in the schools for the deaf or partially deaf and reviewed the progress of each case.

Classification. Pupils to the number of 42 were summoned with a view to grading as regards special education and of that total, 33 (19 boys and 14 girls) attended. 8 pupils were classified as follows :—

3, deaf classes; 3, semi-deaf classes; 2 for, or to continue at ordinary school. The specialist also made the undernoted recommendations:—

Lip reading, 6; audiogram, 8; hearing aid, 4; front seat in class, 4; clinic treatment, 5; other recommendations, 7.

Hearing Aids. During the Session, 45 children (28 boys and 17 girls) were recommended hearing aids and in the same period instruments were supplied to 51 school children (26 boys and 25 girls), 35 of whom were referred by the School Health Service. Head Teachers were requested to provide a progress report for the month following the issue of the aid.

Audiograms. In the course of the year, 850 cases (467 boys and 383 girls) were tested by audiogram at Florence Street Audiometric Clinic; the total included 16 cases summoned for retest.

During the same period, 4 cases were referred to the Hearing Aid Clinic of the Ear, Nose and Throat Hospital for audiogram with masking and one child was given a peepshow test. In addition, the Hearing Aid Clinic summoned 16 cases (referred in previous years) for recheck audiogram and 2 for recheck peepshow.

Audiometric Survey Scheme.—Details of the work accomplished during the Session, including the findings of the Aurists and the treatment provided, are shown in Appendix XII, page 84.

(3) DISEASES OF THE EYE, EXCLUDING DEFECTIVE VISION.

Details of new cases—

	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Blepharitis	355	304	659	552	559
Hordeolum (Stye)	281	309	590	469	431
Conjunctivitis, catarrhal	287	252	539	615	506
Conjunctivitis, muco-purulent	2	—	2	2	3
Ophthalmia, strumous (includes phlyctenular conjunctivitis and keratitis)	9	1	10	23	20
Keratitis (interstitial)	—	—	—	2	2
Corneal ulcers	4	4	8	11	18
Corneal opacities	—	—	—	2	—
Dacrocystitis	—	—	—	—	—
Epiphora	—	—	—	—	1
Injuries	58	23	81	94	55
Other diseases	21	16	37	52	40
Single visit cases	167	172	339	338	363
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Cases from previous session	1,184	1,081	2,265	2,160	1,998
	82	75	157	123	117
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals	1,266	1,156	2,422	2,283	2,115
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Clinic attendances of above cases	9,730	8,831	18,561	17,840	16,570

(4a) DISEASES OF THE SKIN, EXCLUDING RINGWORM AND FAVUS.

Details of new cases—

	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Scabies	378	378	756	293	230
Pediculosis capitis	3	5	8	9	12
Impetigo contagiosa	1,367	723	2,090	2,440	4,002
Ped. cap. and imp. cont.	23	30	53	90	199
Ecthyma	36	15	51	45	131
Dermatitis seborrhoeica	102	104	206	254	244
Eczema	56	39	95	147	144
Alopecia areata	13	13	26	34	29
Psoriasis	13	26	39	30	24
Herpes zoster (shingles)... ..	108	91	199	193	229
Lupus	—	—	—	1	—
Ulcers and abscesses	2,199	1,034	3,233	2,921	3,349
Urticaria	79	67	146	143	209
Warts	346	330	676	592	555
Other skin diseases	150	131	281	342	399
Single visit cases	1,540	1,113	2,653	2,915	3,521
	6,413	4,099	10,512	10,449	13,277
Cases from previous session	322	220	542	587	638
Totals	6,735	4,319	11,054	11,036	13,915
Clinic attendances of above and ring-worm cases	66,900	41,073	107,973	102,415	119,331

Special Cleansing Clinics—

	1956.	1955.	1954.
New Cases	322	322	492
Attendances	592	564	880

(4b) RINGWORM.

Drug Treatment—

Details of new cases—

	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Ringworm (head)	22	5	27	26	34
Ringworm (body)	16	18	34	46	78
Totals	38	23	61	72	112

X-ray Treatment.

21 children (16 boys and 5 girls) were given X-ray treatment for ringworm of the scalp, receiving 105 X-ray exposures.

Other skin conditions were also treated by X-ray, 1 boy making 3 attendances and receiving 6 exposures and 5 girls making 7 attendances and receiving 10 exposures.

(4c) BATH TREATMENT OF SCABIES.

	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Cases receiving baths	338	309	647	243	183
Baths given	1,955	1,944	3,899	1,512	1,031

(B) DEFECTIVE VISION

See Report for 1955, page 23.

Below are given the figures relating to (a) cases dealt with at refraction clinics during 1956 compared with each of the two previous years and (b) spectacles supplied as prescribed at the school clinics.

(a) CASES DEALT WITH AT REFRACTION CLINICS.

	1956.		Totals.	1955.	1954.
	Boys.	Girls.		Totals.	Totals.
Subjected to refraction—					
Spectacles prescribed ...	2,590	2,763	5,353*	5,764	5,537
Spectacles not prescribed—					
For further treatment ...	...	...	1,144	1,510	1,342
No treatment required ...	...	...	660	716	1,091
			<u>7,157</u>	<u>7,990</u>	<u>7,970</u>
Not subjected to refraction—					
For further treatment ...	...	...	1,217	1,207	1,266
No treatment required ...	...	...	435	472	533
Spectacles checked ...	...	...	20	7	57
Postponed ...	...	...	1,269	1,472	1,046
			<u>2,941</u>	<u>3,158</u>	<u>2,902</u>
Total number dealt with at refraction clinics			<u>10,098</u>	<u>11,148</u>	<u>10,872</u>
Number of clinics held ...	...	...	1,072	1,099	1,105
Average number of children per clinic ...	...	...	9.4	10.1	9.8
Average number subjected to refraction at each clinic ...	...	...	6.7	7.3	7.2

At school clinics, 51 new occlusion cases were put on treatment while an additional 453 children were kept under observation. The number of children referred to hospital for further treatment was 416 and a further 167 were put off treatment.

At the end of the school Session, approximately 2,514 children were awaiting refraction, distributed as follows :—

New cases—304 ; “ failed to attend ”—2,024 ; retests—186.

*Classification of refraction errors was as follows :—

Hypermetropia.		Myopia.			Anisopia.	Total.
H.	H.A.	M.	M.A.	MxA.		
780	2,285	963	632	556	137	5,353

(b) PROVISION OF SPECTACLES.

New cases were supplied with spectacles under the scheme to the number of 5,236. The nickel type was provided in 5,060 instances free of charge, and the cellulose acetate in 176 on payment by each parent of a contribution towards the cost.

Replacements or repairs totalled 1,615, the details being as follows:—new lenses, 48; replaced lenses, 884; frames, sides, etc., 683 (nickel 676; cellulose acetate, 7). A contribution towards the cost of replacement or repair was made by the parent in 26 instances.

(c) EAR, NOSE AND THROAT OPERATIVE TREATMENT.

(i) TONSILS AND ADENOIDS OPERATIONS.

From 12.1.56, arrangements were made for one or other of two of the operating Specialists to examine cases on the Western District Hospital's waiting list for tonsil and adenoid operation. At the time of the examination, a detailed report, including the medical history, was made out for each case and the intention was to have a follow-up later.

The following table shows the numbers dealt with and gives a summary of the Specialists' recommendations up to the end of the school year. Some of the children were recommended for more than one test or treatment.

	First Exam.		Second Exam.		Third Exam.		Total.	
	B.	G.	B.	G.	B.	G.	B.	G.
Summoned	363	333	32	25	2	1	397	359
Attended	265	242	25	23	2	1	292	266
Examined	252	235	25	23	2	1	279	259

Recommendations—

T. and A. operation ...	85	96	8	7	1	—	94	103
Audiogram and T. and A. operation ...	65	59	—	—	—	1	65	60
Not for treatment ...	10	10	—	1	—	—	10	11
Audiogram ...	42	25	3	4	—	—	45	29
X-ray examination ...	20	16	1	—	—	—	21	16
Clinic treatment ...	19	10	4	2	—	—	23	12
Breathing exercises ...	16	4	1	—	—	1	17	5
Orthodontic treatment	7	6	1	—	—	—	8	6
Other recommendations	1	7	9	3	1	—	11	10

In addition to the above recommendations, 137 of the cases were noted for review at later dates—mainly from two to six months subsequently.

The table below shows number of operations performed in the several hospitals during 1955-56, compared with the figures for the previous two years.

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Tonsils removed—					
Western District Hospital ...	5	5	10	5	4
Mearnskirk Hospital ...	1	—	1	3	2
Adenoids removed—					
Western District Hospital ...	16	14	30	11	7
Mearnskirk Hospital ...	20	14	34	119	66
Stobhill Hospital ...	—	2	2	2	2
Southern General Hospital ...	2	—	2	—	2
Tonsils and Adenoids removed—					
Western District Hospital ...	375	341	716	1,126	933
Mearnskirk Hospital ...	192	230	422	544	340
Stobhill Hospital ...	43	44	87	201	229
Southern General Hospital ...	—	—	—	—	3
	<u>654</u>	<u>650</u>	<u>1,304</u>	<u>2,020</u>	<u>1,588</u>
Number of operation periods ...	...	...	*88	*115	*108
Average number of cases per period ...	...	...	*9	*10	*10
Clinic (including hospital) attendances	...	...	3,705	6,584	4,879

* These figures relate only to the Western District Hospital.

In addition to the above, 65 children (30 boys and 35 girls) were admitted to hospital during the year, but were discharged without operation for various reasons, mostly medical.

Other forms of treatment were also given to children receiving tonsils and adenoids operations, and a few patients were detained in hospital for more than the normal period before or after operation for medical reasons.

All children were instructed to report to the school clinic two weeks after discharge from hospital for post-operative examination.

The number of cases on the waiting list at 31st July, 1956, was 1,275 (629 boys and 646 girls). Of these, 101 (including 27 confirmed as requiring operation) had been "screened" by the above-mentioned specialists.

(ii) OTHER EAR, NOSE AND THROAT OPERATIONS.

In addition to those treated for tonsils and/or adenoids, children to the number of 26 were admitted to hospital during the year for operative and other treatment of various ear, nose and throat conditions. Some of the patients were treated for more than one defect.

Children to the number of 4 (1 boy and 3 girls) were referred to Glasgow Royal Infirmary for blood investigation; the result was negative in each case.

The number of cases on the waiting list at 31st July, 1956, for other ear, nose and throat operations was 52 (32 boys and 20 girls).

(D) *ORTHOPAEDIC AND POSTURAL DEFECTS.*

See Report for 1954, page 41.

The work at the Spastic Unit in Kelbourne School continued smoothly throughout the year and most of the children had made good progress. An occupational therapist was added to the staff in December, 1955. Of the 30 children originally taken into the school, 4 had been discharged as being unable to benefit from the facilities provided and their places had been taken by 4 younger children who had just reached school age.

A screening panel consisting of 3 consultants (a neurologist, paediatrician and orthopaedic surgeon) reviewed the progress of the children and examined other children to test their suitability for the school. No child was discharged as unsuitable unless he or she had been given a prolonged trial and had been examined by the panel of consultants.

Besides the 30 children at the school, many others with cerebral palsy were being treated at school clinics.

Details of the work during 1955-56 were as follows :—

(a) *DEFORMITIES TREATED IN MEARNSKIRK HOSPITAL.*

Cases in hospital at 1.8.55	...	...	...	23
Number admitted during Session	...	...	...	68
				<hr/>
Number dismissed during Session	...	...	...	91
				<hr/>
Number still in hospital at 31.7.56	...	...	...	14
				<hr/> <hr/>

Of those dismissed, the causes of disability were as shown :—

Foot deformities (congenital, 4 ; post-poliomyelitis, 26 ; other acquired deformities, 5) ; cerebral palsy, 10 ; scoliosis, 1 ; torticollis, 10 ; limb shortening due to poliomyelitis, 9 ; miscellaneous, 12—total 77. Of that total, 8 received physiotherapy and the remainder were given operative treatment. In all, 74 operations were performed as under :—

Manipulation (including tenotomy and wrenching), 16 ; tendon transplants, 17 ; stabilisation of feet, 7 ; tenotomy of torticollis, 10 ; elongation of tendo achilles, 15 ; epiphyseal stapling (for shortening), 9—total 74.

The average stay in hospital of these 77 children was 56 days. During the year, 103 children suffering from poliomyelitis were discharged from Mearnskirk Hospital to continue treatment at the School Orthopaedic Clinics.

(b) DEFORMITIES TREATED BY EXERCISE, MASSAGE, ELECTRICAL TREATMENT, ETC., AT AVENUEPARK STREET, FLORENCE STREET, GLENBARR STREET AND HARRIET STREET ORTHOPAEDIC CLINICS.

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Number of children examined by—					
School Medical Officers ...	427	359	786	860	757
Orthopaedic Surgeon ...	733	580	1,313	1,047	1,136
Number of attendances of "old" cases reporting for observation ...	615	550	1,165	1,174	1,287
Number of Plaster cases (Avenuepark Street Clinic) ...	—	—	—	—	27

The staff of physiotherapists carried out treatment for the following cases :—

Details of new cases put on treatment at Clinics—

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Deformities of spine (kyphosis, lordosis, scoliosis) ...	68	82	150	179	132
Paralysis, infantile and other ...	87	68	155	102	162
Flat-foot and other deformities of the foot ...	87	88	175	158	148
Wry-neck (torticollis) ...	4	4	8	13	10
Deformities of chest ...	32	20	52	37	24
Knock-knees ...	8	7	15	25	31
Others ...	4	7	11	26	29
	290	276	566	540	536
Cases from previous Session	131	117	248	227	261
Totals ...	421	393	814	767	797

Discharged from Orthopaedic Clinics—

	Boys.	1956. Girls.	Totals.	1955. Totals.	1954. Totals.
Fit ...	210	192	402	388	454
For hospital treatment ...	14	10	24	8	19
To Convalescent Homes ...	1	3	4	2	—
Transferred to other clinics or treated by appliances ...	30	28	58	79	40
For other reasons (leaving school, etc.) ...	38	45	83	60	56
Totals ...	293	278	571	537	569
Number still on treatment ...	125	116	241	242	226
Number of attendances made by children for treatment ...	...	...	14,978	15,370	15,864

(c) DEFORMITIES TREATED IN SPASTIC UNIT.

Treatment provided in the various departments was as follows :—

	No. of cases treated.			No. of treatments.		
	Boys.	Girls.	Total.	Boys.	Girls.	Total.
Physiotherapy	14	16	30	1,522	1,601	3,123
Speech Therapy	11	11	22	1,171	1,237	2,408
Occupational Therapy ...	12	15	27	618	902	1,520

Of 4 children discharged in the course of the year, 2 were considered to be mentally unfit for the school, 1 had reached school leaving age and 1 was transferred to a special school. There was one admission (a girl)—in September, 1955.

(E) OTHER DISEASES

(a) CASES DEALT WITH AT THE REGULAR CLINICS FOR "GENERAL" DISEASES.

Details of new cases	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Bronchitis and bronchial catarrh	518	340	858	820	768
Anaemia and/or debility	804	823	1,627	1,466	1,372
Rickets	1	—	1	2	—
Tubercular conditions—					
Pulmonary (including contacts)	26	38	64	87	94
Non-pulmonary	8	10	18	23	37
Paralysis	1	2	3	3	3
Heart disease	28	23	51	36	35
Chorea	4	7	11	11	15
Enlarged tonsils and/or adenoids	39	61	100	117	132
Adenitis	19	13	32	38	48
Rheumatism	27	39	66	93	98
Enuresis	320	399	719	713	697
Malnutrition	3	17	20	6	2
Epilepsy	9	12	21	15	10
Digestive disorders	87	97	184	193	164
Infectious diseases	17	19	36	71	34
Mental deficiency	—	—	—	2	1
Nervous disorders	40	46	86	90	45
Others	166	174	340	345	302
Single visit cases... ..	994	884	1,878	2,179	2,174
Totals	3,111	3,004	6,115	6,310	6,031
Clinic attendances of above cases ...	9,645	8,523	18,168	17,171	17,541

(b) SUPPLY OF MEDICINES.

Details of new cases seen elsewhere than at "General" Clinics—	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Sent from school inspection for immediate supply	453	423	876	889	833
Sent from skin, eye and ear clinics	614	542	1,156	1,440	1,654
Additional attendances at "General" clinics for medicine	7,521	6,144	13,665	13,538	13,378
Totals	8,588	7,109	15,697	15,867	15,865

(c) ARTIFICIAL LIGHT TREATMENT.

Details of new cases—	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Rickets	2	1	3	7	3
Anaemia and/or debility ...	402	445	847	916	792
Nervous disorders	1	3	4	7	6
Enlarged glands	3	2	5	11	13
Chronic bronchitis	292	190	482	467	466
Rheumatism	13	39	52	55	49
Skin conditions	18	13	31	61	51
Eye conditions	3	1	4	11	7
Ear conditions	20	15	35	31	30
Other diseases	60	42	102	188	181
Single visit cases	85	72	157	154	105
Totals	899	823	1,722	1,908	1,703
Clinic attendances of above cases ...	10,624	10,578	21,202	24,058	22,715

(d) CASES SEEN AT CARDIAC CLINICS.

See Report for 1954, page 45.

During the period under review, 431 children (207 boys and 224 girls) referred by School Medical Officers were summoned to the cardiac clinics, 86 (38 boys and 48 girls) of these failing to attend. The remainder reported as follows :—

New Cases.		Re-examinations.		Totals.	
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
68	76	101	100	169	176

The specialist referred 26 children (13 boys and 13 girls) for electrocardiogram or X-ray examination and 19 (10 boys and 9 girls) for admission to hospital where some were operated on for the treatment of certain forms of congenital heart disease. In 4 instances (2 boys and 2 girls) he advised that they should be passed out to ordinary schools suitably graded as regards physical training and 1 girl was recommended for admission to P.H.S. In addition, 12 boys were recommended other forms of specialist and school clinic treatment.

During the year, the numbers interviewed at special clinics and assessed as regards capability for suitable employment were as shown below :—

October, 1955, 9 ; December, 1955, 10 ; March, 1956, 8. Since the commencement of the scheme in June, 1950, 268 children in all had been seen.

The specialist was of opinion that the Cardiac Clinics were following a well-ordered routine. Difficulty was still being experienced in giving the individual child the physical training as graded at the time of the medical examination. While the difficulties of making special arrangements for the isolated child were well appreciated, it was felt that much was to be gained by the child's getting physical training according to the scheme as arranged.

(e) INVESTIGATION OF ASTHMA AND ALLERGIC CONDITIONS.

The special clinic at Crail Street for investigation and treatment of various allergic conditions continued to show encouraging results. Below is a summary of Dr. Gemmell's findings to date.

Hay fever. Out of 38 cases investigated in the past six years, only one had failed to show a very marked improvement after treatment by injections. The remainder had either complete freedom from attacks or marked alleviation for the year following injections. Many relapsed during the second year and a repeat of skin tests showed that there was again a varying degree of sensitivity. On receiving a repeat course of injections a more lasting effect was usually achieved.

Each case had to be dealt with according to individual results but it appeared that the majority should have a course of injections in the spring for two successive years, and this would be likely to produce comparative freedom from attacks for several years.

Asthma. There had now been almost 200 cases investigated and results continued to be constant. 40 per cent. of patients showed some positive allergic reactions ; and of those considered suitable for appropriate desensitising injections, 70 per cent. showed marked improvement and this benefit was usually lasting.

Antihistamine drugs. Results of treatment with antihistamine drugs had generally been disappointing in asthma cases, but they were frequently effective as palliatives in hay fever or urticaria, although no lasting effect was produced.

Specific treatment in all cases was combined with appropriate general measures, and many were given courses of breathing and postural exercises and/or ultra violet ray. Considerable benefit was frequently obtained by the child's taking up breast stroke swimming which helped both breathing and posture.

It was reasonable to conclude that it was worth while in all cases of asthma in children to investigate the possibility of allergic origin.

7.—DENTAL INSPECTION AND TREATMENT

During the period under review the percentage of children found to require treatment was very slightly increased (0.5 per cent.) over that of the previous year, but fewer schools were inspected and consequently fewer children were examined. The proportion accepting treatment fell by 2 per cent., offset by an increase (1.3 per cent.) among those promising to have private treatment. This tendency had been evident since the provision of free treatment by the private practitioner service was inaugurated and, as was pointed out in the 1955 Report, no attempt had been made to increase the acceptance rate for the reasons stated there.

2,503 fewer children were treated in the clinics and, as a result, attendances were also reduced. This general fall in numbers was due to staffing and other difficulties including the following :—(1) Hyde Park Clinic—Mr. Kennedy resigned on 31.10.55 and his successor was appointed on 1.5.56. (2) Redan Street Clinic—Miss Paton retired on 1.3.56 and her successor had not been appointed by the end of the Session. (3) Crail Street "A" Clinic—The Dental Officer was off duty through illness from 6.12.55 to 6.6.56.

These clinics had all been kept functioning part-time by utilising the services of Dental Officers from other areas of the city, with consequent reductions there also. In addition, the Gas Clinic did not operate during the Poliomyelitis outbreak—from 10.9.55 to 19.11.55.

Despite these difficulties, comparatively more fillings were inserted in both permanent and temporary teeth and the ratio of fillings to extractions again showed an upward movement. Other work (root-treatments, artificial dentures, X-ray examinations, etc.) remained substantially as last year and the Orthodontic Clinic showed an increase in both cases treated and cases completed.

Table demonstrations of a section of our work were given at the Annual Conference of the British Dental Association held in Glasgow in July, 1955. These included Orthodontics, X-rays and coloured photographs bearing on colour changes in certain filling materials. Glenbarr Street Clinic was open for inspection during the Conference and was attended by a large percentage of Public Dental Officers from other Local Authorities, and by visitors from abroad.

8.—SPECIAL SCHOOLS AND CLASSES AND RESIDENTIAL SCHOOLS

(a) FOR HANDICAPPED CHILDREN

The Corporation makes provision for children handicapped as follows :—

- (1) Mentally handicapped—19 Day Schools and 10 Occupational Centres.
- (2) Physically handicapped, delicate or convalescent—10 Day Schools, 8 Residential Schools, 6 Hospital Schools and a Scheme of Home Tuition. (One day school has separate unit for spastic children).
- (3) Defective vision—1 Day/Residential School for blind children and 1 Day School for the partially sighted. (The former serves the whole of Scotland and Northern Ireland and accommodates Roman Catholic children).
- (4) Defective hearing—1 Nursery/Infant Day School, 1 Day School and 1 Day/Residential School for the partially deaf and 2 Day/Residential Schools for the deaf. In addition, teachers from the Speech Reading Unit visit ordinary schools to give speech-reading instruction and auditory training to pupils not sufficiently deaf to require teaching by deaf methods.
- (5) Mentally handicapped and deaf—1 Class in a Day School (Rottenrow).

At 30th June, 1956, the number of children receiving special educational treatment in schools administered by the Corporation was as given below :—

Physically handicapped children, 718 ; children with hearing defects, 330 ; children with defects of vision, 98 ; mentally handicapped (educable) children, 2,976 ; mentally handicapped (trainable) children, 446 ; total 4,568. This total compares with 5,290 handicapped children in 1955 and 5,382 in 1954.

There had been a considerable reduction in the number of physically handicapped children classified as requiring special educational treatment. Wherever possible, such children were passed out to ordinary secondary schools after the Calibration Test.

Children who were classified as handicapped were required to remain at school until the leaving date following their sixteenth birthday.

Children from the age of 2 years were medically examined at the parents' request when disabilities were known. Advisory centres were available at the nursery/infant day schools where parents of very young deaf children were given help and advice on their children's training. Blind and deaf children were admitted to school from the age of 2 years if considered fit to profit from appropriate education. For all other categories the age of entry to school was 5 years.

School Medical Officers re-examined all handicapped children at frequent intervals to ascertain progress and to recommend, where possible, transfer to ordinary school. In addition, specialist services were provided for children with defects of hearing or vision, and for orthopaedic and heart cases.

Hospital Schools. Tuition was given mainly to individual pupils confined to bed and to convalescents in classrooms where facilities were available. These children were not classified as requiring special educational treatment and, on return home, they were re-admitted to their appropriate schools. The following is a list of the Hospital Schools with the number of pupils in each receiving tuition at 30th June, 1956.

Drumchapel Home, (39); Lenzie Home, (45); Mearnskirch Hospital, (165); Victoria Auxiliary Infirmary, Philipshill (42); Stobhill Hospital, (84) and Strathblane Home, (23).

Residential Schools.—The Centres outwith the City are listed below along with the accommodation available for pupils.

Caol Ruadh, Colintrave	-	36 Protestant P.H. and convalescent boys.
Southpark, Ascog	-	29 Protestant P.H. and convalescent girls.
Craig, Kilmarnock	-	56 Roman Catholic P.H. and convalescent boys.
Lumsden, Maybole	-	29 Roman Catholic P.H. and convalescent girls.
Hillfoot, Bearsden	-	65 Protestant convalescent girls.
Seafield, Ardrossan	-	65 Protestant convalescent boys.
*Dalguise, Dunkeld	-	48 Roman Catholic convalescent girls.
Castle Toward	-	100 Protestant convalescent boys and girls.

There is also a residential school at Nerston, East Kilbride, having accommodation for 40 maladjusted children (Protestant and Roman Catholic boys and girls) requiring psychological treatment.

Periods of residence vary according to the needs of the individual child, averaging from three to six months for physically handicapped children, six to eight weeks for convalescents and from three to nine months for children admitted to Nerston.

During April and May, 1956, approximately 140 mentally handicapped children had three weeks residence at Dounan's Camp, Aberfoyle. This provision was made as the Corporation had no residential school for mentally handicapped children.

* Used for eight months in the year.

HOME TUITION SCHEME.

See Report for 1954, page 50.

At 30th June, 1956, the number of children participating in the scheme was 37 and the main causes of incapacity were :—

Heart disease, 3 ; non-pulmonary tuberculosis, 3 ; spina bifida, 5 ; Perthe's disease, 3 ; poliomyelitis, 2 ; fragilitas ossium, 2 ; incontinence, 3 ; paresis, 5 ; bronchiectasis, 2 ; miscellaneous, 9.

EXAMINATION AND AFTER-CARE OF MENTALLY HANDICAPPED CHILDREN.

The number of children specially examined by the School Medical Officers during the year regarding *mental defects* was as follows :—

		1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.	
First Examinations	... 328	219	547	529	822	
Re-examinations	... 1,198	1,013	2,211	1,793	1,863	
	<u>1,526</u>	<u>1,232</u>	<u>2,758</u>	<u>2,322</u>	<u>2,685</u>	

Provision for After-Care in terms of the National Health Service (Scotland) Act, 1947, was continued throughout the year by the Health and Welfare Department.

In addition to the foregoing provision, Glasgow children in need of special care and attention were accommodated and educated at the following Centres not under the management of the Corporation :—

Biggart Memorial Home, Prestwick—40 physically handicapped children requiring nursing care.

Eastpark Homes, Glasgow and Largs—48 severely physically handicapped children requiring long-term nursing care.

The Colony for Epileptics, Bridge of Weir—13 Protestant children suffering from serious epilepsy.

The Royal Blind School, Edinburgh—29 Protestant blind children.

The Mary Hare Grammar School for the Deaf, Newbury—2 deaf children requiring academic secondary education.

The Rudolf Steiner Schools, Aberdeenshire—4 Protestant mentally handicapped children with additional severe physical handicap.

Lennox Castle Certified Institution—44 mentally handicapped boys (Protestant and Roman Catholic), aged 12-16 years.

St. Charles' Certified Institution, Carstairs—65 Roman Catholic mentally handicapped children.

St. Joseph's Certified Institution, Rosewell—6 Roman Catholic mentally handicapped children with gross physical handicap.

St. Aidan's Certified Institution, Melrose—2 Roman Catholic mentally handicapped boys.

Waverley Park Certified Institution, Kirkintilloch—19 Protestant mentally handicapped girls.

Birkwood Certified Institution, Lesmahagow—6 Protestant mentally handicapped children.

(b) FOR NORMAL CHILDREN

There are 3 Residential Schools outwith the City for normal children who go in school groups and stay for a period of four weeks. Accommodation in the various schools is as follows :—

48 places at Achnamara, Lochgilphead (Protestant, post-primary boys and girls). (This school has been closed for extensive repair and redecoration during the past year).

58 places at Agnes Patrick/Stevenson, Ascog (Roman Catholic primary boys and girls).

112 places at Galloway, Wigtown (Protestant, primary boys and girls).

There is also a Residential Nursery School at Southannan, Fairlie, with 36 places for children who go in groups from each Glasgow nursery school in turn for a period in residence of, generally, three and a half weeks.

In addition, the Corporation leased Glengonnar Residential School during October, 1955, for 193 children, and in June, 1956, for 214 children. The period of residence in each case was for four weeks. Arrangements were also made for parties of post-primary school children to undergo character training courses and, for this purpose, 152 boys were sent to the Moray Sea School, Burghead, while 200 boys and girls went to Glenmore Lodge, Aviemore.

(c) *FOR MALADJUSTED CHILDREN*

CHILD GUIDANCE.

The Child Guidance Clinics dealt with 3,258 children as compared with 3,572 in the preceding year. These children showed one or more of the following symptoms :—

Emotional disorders (general instability, anxiety and obsessional states, night terrors and sleep walking, enuresis and soiling, emotional retardation and regression, psychopathic personalities)—1,447 instances; *behaviour disturbances* (unmanageable behaviour, aggression and temper tantrums, sadistic tendencies, exhibitionism, truancy and wandering)—579; *delinquency* (theft, lying, malicious mischief and sexual offences)—373; *educational disability* (general backwardness and specific disability)—828. Of these children, 73 were given residential treatment at Nerston Residential Clinic as compared with 110 in the preceding Session, the house being closed for ten weeks during alterations.

Further information can be found in the report issued annually by the Education Department.

9.—ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE

The Physical Education Staff at the end of Session 1955-56 consisted of the Superintendent and two Assistant Superintendents (a man and a woman), 48 Principal Teachers (32 men and 16 women), 97 assistant teachers (men) and 99 assistant teachers (women) of whom 4 with a physiotherapy qualification were attached to orthopaedic clinics under the charge of a Principal Teacher (woman).

Principal Teachers from secondary schools, as part of their duties, visited neighbouring primary schools to demonstrate the appropriate physical education lesson from the new Draft Syllabus and to give general guidance. It was also possible, in spite of increased staffing difficulties, to arrange for weekly visits to some primary schools by some assistant teachers of physical education.

Instruction in Personal Hygiene, including simple First Aid based on the Model Syllabuses in General Hygiene issued by the Scottish Council for Health Education, was given by teachers of Physical Education in post-primary schools in continuation of the elementary talks on health habits given by class teachers in the primary schools. Some impetus to this aspect of the subject was given by a Conference on Health Education held in March in Crookston Castle Secondary School and attended by many primary, secondary and specialist teachers. In schools where facilities were available pupils, with the consent of their parents, attended Spray Baths at one of the physical education periods. Some practical value was added to the hygiene lesson by the attendance of pupils of post-primary schools and of a few primary schools at school ponds or at Corporation Baths, for instruction in swimming by teachers of physical education. During the summer months of September and October, 1955 and May and June, 1956, when swimming is a recognised part of the curriculum where facilities can be offered, upwards of 23,000 pupils attended weekly at school ponds or at Corporation Baths for instruction. During the winter months November, 1955—April, 1956, over 17,000 pupils, with the consent of their parents, continued to receive weekly periods of instruction in swimming.

The 3 Mobile Spray Bath Units continued to function, visiting 15 selected schools. An overall average of 129 baths daily was provided and a total of 75,820 baths was given in the complete year.

10.—ARRANGEMENTS FOR FEEDING AND CLOTHING OF CHILDREN

(a) ADMINISTRATION AND NATURE OF MEALS

See Report for 1954, page 54.

At 31st July, 1956, there were 41 Kitchens and 2 School Meals Centres preparing meals for school children. In addition, 1 Kitchen supplied Kosher meals to Jewish children.

On an average day in May, 1956 (Friday, 4th May), the total number of meals served was 68,086, of which 66,437 were dinners. Of the meals supplied, 15,030 dinners were provided free of charge.

The meals were served in 366 Dining Rooms, 297 of which were in school premises and 69 in church halls. Of the 297 Dining Rooms in schools, 32 were at schools for handicapped children and 39 were in nursery schools.

(b) NUMBER AND COST OF MEALS

See Report for 1954, page 54.

The numbers of meals prepared in kitchens during each of the years ending 31st May, 1954, 1955 and 1956 were as follows :—

Year Ending.	Breakfasts.	Dinners.	Teas.	Totals.
31st May, 1954 ...	219,322	13,095,677	1,376,783	14,691,782
31st May, 1955 ...	214,443	13,799,181	1,282,568	15,296,192
31st May, 1956 ...	237,858	14,609,368	1,282,647	16,129,873

(c) FOOTWEAR AND CLOTHING

During the year 1st June, 1955 to 31st May, 1956, 1,098 children were provided with footwear and clothing as compared with 1,242 during the previous twelve months. The undertaking given by the National Assistance Board to accept responsibility for the clothing needs of children of their dependants continued satisfactorily.

(d) MILK SUPPLY TO SCHOOL CHILDREN

The total number of milk rations during the year ending 31st July, 1956, was 35,472,507, compared with 33,904,661 in 1955. The most recent census figures showed that 86·1 per cent. of the children on the registers in September, 1955, were taking school milk compared with 86·3 per cent. in October, 1954.

Food inspectors of the Health and Welfare Department took 279 samples of pasteurised milk for examination. Of that number, eight failed to pass the coliform test. The average composition of samples was satisfactory at 3·61 per cent. milk fat and 8·65 per cent. non-fatty solids. Of 156 samples submitted for biological examination as to the presence of tubercle, all were found to be negative. The national milk position had so improved that, in reality, the scholars were now receiving Tuberculin Tested milk pasteurised.

STATISTICAL AND OTHER APPENDICES

TABLE I.—TOTAL NUMBER OF CHILDREN EXAMINED AT:

(A) (a) SYSTEMATIC EXAMINATIONS, i.e., the main groups recommended for the session (see page 9), and (b) OTHER SYSTEMATIC EXAMINATIONS, i.e., children missed at recommended age groups or otherwise outwith these groups.

GROUP	1956			1955	1954
	Boys	Girls	Totals	Totals	Totals
(a) Entrants	9,128	8,596	17,724	18,266	18,898
Second Age Group	8,561	8,395	16,956	14,386	15,620
Third Age Group ...	7,393	7,281	14,674	14,474	14,982
Fourth Age Group ...	758	621	1,379	1,534	1,387
	25,840	24,893	50,733	48,660	50,887
(b) Others	340	414	754	927	1,008
Totals	26,180	25,307	51,487	49,587	51,895

For age distribution of these children see Appendix Ib on page 44.

In addition to these numbers of children, the following were examined in the course of Systematic Inspection of the pupils at Special Schools and Classes :—

GROUP	1956			1955	1954
	Boys	Girls	Totals	Totals	Totals
Physically handicapped children	157	140	297	296	364
Mentally handicapped children	409	375	784	729	920
Totals	566	515	1,081	1,025	1,284

(B) OTHER EXAMINATIONS—

GROUP	1956	1955	1954
<i>(i) In Schools—</i>			
Systematic Inspection of Nursery School Children	924	947	979
Other Examinations in Nursery Schools (including abnormals)	2,005	2,123	2,085
1948 age-group (Visual Acuity and Hearing only)—(by school nurses)	16,601	17,664	16,178
Special Cases (in respect of particular defects)	16,844	14,883	14,276
Re-inspections by Medical Officers	28,393	23,270	20,847
Leaving Interviews	9,971	10,045	10,177
Examinations regarding Mental Defect	2,758	2,322	2,685
Discharges in Special Schools and Classes	175	195	182
Totals	77,671	71,449	67,409
<i>(ii) Mainly at Clinics—</i>			
Applicants for preliminary training as Teachers	—	2	—
Applicants for Licences under the Corporation Bye-laws for the Employment of Children	803	752	888
Adult Employees of the Corporation	1,365	1,084	976
Candidates for Printers' Apprenticeships	189	227	143
Children as to fitness for camps, etc.—			
Harvesters, etc.	3,208	4,232	5,831
School and Junior Club groups	11,607	12,476	11,743
Children as to fitness for "School Journeys" abroad, etc.	2,379	2,057	2,240
Children as to fitness for admission to Residential Schools and Institutions	11,506	11,826	10,244
Pre-vocational Students	726	736	804
Other Special Cases	17	14	119
Examinations in Remand Home	3,098	2,770	2,724
Totals	34,898	36,176	35,712
<i>(iii) Cleanliness and Special Examinations—</i>			
* Cleanliness inspections—(by school nurses)	157,378	157,789	167,218

* In addition, Nurse Inspectresses of the Sanitary Divisions made 126,815 cleanliness inspections in 1,081 visits to 92 schools (see page 66).

APPENDIX Ia.—NOTIFICATION TO PARENTS.

The numbers and percentages of individual children inspected at systematic examinations who were notified to parents as requiring treatment for conditions other than (a) defects of clothing or cleanliness (including pediculosis) and (b) minor defects, were as follows :—

GROUP	1956			1955	1954
	Boys	Girls	Totals	Totals	Totals
Entrants	3,527 (38·6)	3,201 (37·2)	6,728 (38·0)	6,772 (37·1)	6,659 (35·2)
2nd Age Group	2,555 (29·8)	2,634 (31·4)	5,189 (30·6)	4,641 (32·3)	4,952 (31·7)
3rd Age Group	1,689 (22·8)	1,874 (25·7)	3,563 (24·3)	3,808 (26·3)	3,971 (26·5)
4th Age Group	120 (15·8)	107 (17·2)	227 (16·5)	243 (15·8)	214 (15·4)
Others	75 (22·1)	105 (25·4)	180 (23·9)	259 (27·9)	285 (28·3)
Totals	7,966 (30·4)	7,921 (31·3)	15,887 (30·9)	15,723 (31·7)	16,081 (31·0)

The numbers and percentages of cases in which intimation was made to parents verbally or by card, together with information as to similar intimations in respect of clothing, cleanliness, and/or minor dental defects will be found in Appendix IIa on page 54.

STATE OF NEW YORK

IN SENATE

JANUARY 18, 1894

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE

APRIL 18, 1893

ALBANY: J. B. WOODWARD, STATE PRINTER, 1894.

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APPENDIX Ib.—AGE DISTRIBUTION OF CHILDREN

(a) Children within groups recommended

(b) Children outwith groups

† Entrants-Infants.

		Ages				
		4	5	6	7	8
BOYS.						
Non-transferred Schools	(a) ...	147	5,678	143	52	13
Do.	(b) ...	—	—	—	10	27
Transferred Schools	(a) ...	64	2,871	111	36	13
Do.	(b) ...	—	—	—	1	6
Totals	(a) ...	211	8,549	254	88	26
Do.	(b) ...	—	—	—	11	33
Totals, 1956	... ..	211	8,549	254	99	59
Totals, 1955	... ..	202	8,630	369	134	66
GIRLS.						
Non-transferred Schools	(a) ...	148	5,306	168	49	10
Do.	(b) ...	—	—	—	8	20
Transferred Schools	(a) ...	54	2,721	95	32	13
Do.	(b) ...	—	—	—	—	14
Totals	(a) ...	202	8,027	263	81	23
Do.	(b) ...	—	—	—	8	34
Totals, 1956	... ..	202	8,027	263	89	57
Totals, 1955	... ..	200	8,237	343	117	52
ALL						
Totals	(a) ...	413	16,576	517	169	49
Do.	(b) ...	—	—	—	19	67
Totals, 1956	... ..	413	16,576	517	188	116
Totals, 1955	... ..	402	16,867	712	251	118

† This grouping applies only to

AT DATE OF SYSTEMATIC EXAMINATION.

for the session (as indicated by brackets).

recommended for the session.

† Second Age Group.

† Third Age Group.

† Fourth Age Group.

8	9	10	11	12	13	14	15	16	17	18	Totals
396	5,190	381	—	391	4,404	282	24	464	96	—	17,661
—	8	53	56	27	5	41	45	4	1	—	277
213	2,190	191	—	193	1,976	147	3	149	22	—	8,179
—	6	11	15	7	6	7	4	—	—	—	63
609	7,380	572	—	584	6,380	429	27	613	118	—	25,840
—	14	64	71	34	11	48	49	4	1	—	340
609	7,394	636	71	618	6,391	477	76	617	119	—	26,180
516	6,505	503	110	532	6,397	405	80	726	104	—	25,279
288	5,176	440	—	403	4,327	265	4	350	114	—	17,048
—	22	49	45	33	5	52	31	—	2	1	268
127	2,171	193	—	188	1,982	116	1	127	25	—	7,845
—	30	32	19	14	5	16	16	—	—	—	146
415	7,347	633	—	591	6,309	381	5	477	139	—	24,893
—	52	81	64	47	10	68	47	—	2	1	414
415	7,399	714	64	638	6,319	449	52	477	141	1	25,307
293	6,243	540	142	652	6,357	426	37	508	158	3	24,308
1,024	14,727	1,205	—	1,175	12,689	810	32	1,090	257	—	50,733
—	66	145	135	81	21	116	96	4	3	1	754
1,024	14,793	1,350	135	1,256	12,710	926	128	1,094	260	1	51,487
809	12,748	1,043	252	1,184	12,754	831	117	1,234	262	3	49,587

the (a) lines on the table.

TABLE II.—SYSTEMATIC EXAMINATION OF CHILDREN IN ORDINARY SCHOOLS.

NUMBERS AND PERCENTAGES OF CHILDREN SUFFERING FROM DEFECTS.

An individual child may appear in several sections but only once in any section, i.e., only the child's major defect in any section is recorded—any minor defects in the same section are ignored in this table. "Sections" are indicated by the horizontal lines across the columns, and the section totals give the numbers of individual children having at least one defect in that section.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1956 Totals.	1955 Totals.	1954 Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.			
Number examined	9,128	8,596	8,561	8,395	7,393	7,281	758	621	26,180	25,307	51,487	49,587	51,895
1. CLOTHING	Nature of defects found												
	{ Insufficient { Ragged ... { Dirty ...												
	UNSATISFACTORY	1 (0.0)	2 (0.0)	3 (0.0)	5 (0.1)	3 (0.0)	2 (0.0)	—	—	7 (0.0)	9 (0.0)	16 (0.0)	4 (0.0)	13 (0.0)
2. FOOTGEAR	UNSATISFACTORY												
	{ None ... { Unsatisfactory ...												
	Totals	8 (0.1)	10 (0.1)	8 (0.1)	17 (0.2)	6 (0.1)	13 (0.2)	—	—	22 (0.1)	41 (0.2)	63 (0.1)	53 (0.1)	65 (0.1)
3. UNCLEANLINESS	UNSATISFACTORY												
	{ None ... { Dirty ... { Nits ... { Verminous ... { Dirty ... { Verminous ...												
	Totals	4 (0.0)	5 (0.1)	6 (0.1)	5 (0.1)	2 (0.0)	6 (0.1)	—	—	12 (0.0)	16 (0.1)	28 (0.1)	40 (0.1)	45 (0.1)
(a) Head	UNSATISFACTORY												
	{ Dirty ... { Nits ... { Verminous ...												
	Totals	4 (0.0)	—	2 (0.0)	—	2 (0.0)	—	—	—	9 (0.0)	—	9 (0.0)	7 (0.0)	10 (0.0)
(b) Body	UNSATISFACTORY												
	{ Dirty ... { Nits ... { Verminous ...												
	Totals	385 (4.2)	936 (10.9)	318 (3.7)	1,232 (14.7)	163 (2.2)	1,246 (17.1)	—	2 (0.3)	876 (3.3)	3,485 (13.8)	4,361 (8.5)	4,486 (9.0)

4. SKIN	...	1	—	1	—	—	—	—	2	—	2	2	7
(a) <i>Head</i>	Ringworm	(0.0) 31	—	(0.0) 31	—	—	—	—	(0.0) 106	—	(0.0) 161	(0.0) 154	(0.0) 225
	Impetigo	(0.6) 11	24 (0.3)	(0.4) 2	22 (0.3)	9 (0.1)	—	—	(0.4) 14	55 (0.2)	(0.3) 19	(0.3) 17	(0.4) 11
	Injuries	(0.1) 46	30 (0.3)	(0.0) 43	(0.0) 46	—	7 (0.9)	4 (0.6)	(0.1) 142	(0.0) 120	(0.0) 262	(0.0) 222	(0.0) 165
	Others	(0.5) 1	1 (0.3)	(0.5) 2	(0.6) —	54 (0.7)	—	—	(0.5) 3	(0.5) 1	(0.5) 4	(0.4) 13	(0.3) 18
	Ringworm	(0.0) 28	16 (0.2)	(0.0) 22	—	—	—	—	(0.0) 54	(0.0) 30	(0.0) 84	(0.0) 64	(0.0) 131
	Impetigo	(0.3) 3	5 (0.2)	(0.3) 3	(0.1) 6	4 (0.1)	—	—	(0.2) 12	(0.1) 16	(0.2) 28	(0.1) 22	(0.3) 40
	Scabies	(0.0) 14	12 (0.1)	(0.0) 15	(0.1) 17	8 (0.1)	1 (0.1)	—	(0.0) 47	(0.1) 30	(0.1) 77	(0.0) 76	(0.1) 34
	Injuries	(0.2) 211	157 (1.8)	(0.2) 167	(0.2) 100	139 (1.9)	12 (1.6)	11 (1.8)	(0.2) 496	(0.1) 457	(0.1) 953	(0.2) 851	(0.1) 656
	Others	(2.3) 368	—	(2.0) 286	(1.7) 146	20 (2.6)	20 (2.6)	15 (2.4)	(1.9) 876	(1.8) 714	(1.9) 1,590	(1.7) 1,421	(1.3) 1,287
	Totals	(4.0) 407	(2.9) 592	(3.3) 297	(2.7) 419	(3.0) 152	(2.6) 3	(2.4) 1	(3.3) 893	(2.8) 1,176	(3.1) 2,069	(2.9) 1,670	(2.5) 1,686
5. NUTRITION	Slightly defective	(4.5) 6	(6.9) 14	(3.5) 10	(5.0) 15	(2.1) 3	(0.4) —	(0.2) —	(3.4) 21	(4.6) 32	(4.0) 53	(3.4) 41	(3.2) 88
	Bad	(0.1) 413	(0.2) 606	(0.1) 307	(0.2) 434	(0.0) 155	—	—	(0.1) 914	(0.1) 1,208	(0.1) 2,122	(0.1) 1,711	(0.2) 1,774
	Totals	(4.5) 230	(7.0) 189	(3.6) 128	(5.2) 136	(2.1) 115	(0.4) 2	(0.2) 10	(3.5) 445	(4.8) 459	(4.1) 904	(3.5) 1,087	(3.4) 981
6. MOUTH AND TEETH UNHEALTHY	...	(2.5) 230	(2.2) 189	(1.5) 128	(1.6) 136	(1.6) 115	(0.3) 2	(1.6) 10	(1.7) 445	(1.8) 459	(1.8) 904	(2.2) 1,087	(1.9) 981

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1956	1955	1954
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.	Totals.
7. NASO PHARYNX													
(a) <i>Nose</i>													
Obstruction—for observation	135 (1.5)	93 (1.1)	49 (0.6)	40 (0.5)	24 (0.3)	7 (0.1)	1 (0.1)	212 (0.8)	140 (0.6)	212 (0.8)	352 (0.7)	408 (0.8)	355 (0.7)
Obstruction—for operation	75 (0.8)	53 (0.6)	29 (0.3)	21 (0.3)	9 (0.1)	9 (0.1)	—	113 (0.4)	86 (0.3)	113 (0.4)	199 (0.4)	230 (0.5)	198 (0.4)
Catarrh	66 (0.7)	43 (0.5)	69 (0.8)	53 (0.6)	30 (0.4)	24 (0.3)	1 (0.1)	170 (0.6)	122 (0.5)	170 (0.6)	292 (0.6)	302 (0.6)	262 (0.5)
Other conditions	18 (0.2)	9 (0.1)	16 (0.2)	16 (0.2)	11 (0.1)	7 (0.1)	—	45 (0.2)	32 (0.1)	45 (0.2)	77 (0.1)	67 (0.1)	42 (0.1)
(b) <i>Throat</i>													
Tonsils—for observation	687 (7.5)	694 (8.1)	284 (3.3)	357 (4.3)	113 (1.5)	161 (2.2)	7 (0.9)	1,101 (4.2)	1,227 (4.8)	1,101 (4.2)	2,328 (4.5)	2,257 (4.6)	2,412 (4.6)
Tonsils—for operation	508 (5.6)	476 (5.5)	142 (1.7)	230 (2.7)	56 (0.8)	105 (1.4)	—	709 (2.7)	818 (3.2)	709 (2.7)	1,527 (3.0)	1,262 (2.5)	1,237 (2.4)
Other conditions	6 (0.1)	3 (0.0)	6 (0.1)	6 (0.1)	4 (0.1)	8 (0.1)	—	16 (0.1)	19 (0.1)	16 (0.1)	35 (0.1)	21 (0.0)	28 (0.1)
(c) <i>Glands</i>													
For observation	81 (0.9)	42 (0.5)	21 (0.2)	20 (0.2)	11 (0.1)	9 (0.1)	1 (0.1)	115 (0.4)	75 (0.3)	115 (0.4)	190 (0.4)	166 (0.3)	168 (0.3)
For operation	—	—	—	—	—	—	—	—	—	—	—	—	7 (0.0)
Totals	1,576 (17.3)	1,413 (16.4)	616 (7.2)	743 (8.9)	258 (3.5)	330 (4.5)	10 (0.3)	2,481 (9.5)	2,519 (10.0)	2,481 (9.5)	5,000 (9.7)	4,714 (9.5)	4,709 (9.1)
8. EYES													
(a) <i>External Diseases</i>													
Blepharitis	63 (0.7)	59 (0.7)	130 (1.5)	110 (1.3)	83 (1.1)	72 (1.0)	4 (0.5)	287 (1.1)	245 (1.0)	287 (1.1)	532 (1.0)	419 (0.8)	419 (0.8)
Conjunctivitis	17 (0.2)	12 (0.1)	16 (0.2)	11 (0.1)	12 (0.2)	9 (0.1)	2 (0.3)	48 (0.2)	33 (0.1)	48 (0.2)	81 (0.2)	60 (0.1)	51 (0.1)
Corneal opacities	4 (0.0)	3 (0.0)	7 (0.1)	5 (0.1)	1 (0.0)	4 (0.1)	—	12 (0.0)	12 (0.0)	12 (0.0)	24 (0.0)	9 (0.0)	30 (0.0)
Strabismus	439 (4.8)	393 (4.6)	269 (3.1)	246 (2.9)	120 (1.6)	133 (1.8)	4 (0.5)	837 (3.2)	781 (3.1)	837 (3.2)	1,618 (3.1)	1,479 (3.0)	1,604 (3.1)
Other diseases	21 (0.2)	22 (0.3)	17 (0.2)	23 (0.3)	17 (0.2)	20 (0.3)	1 (0.1)	56 (0.2)	66 (0.3)	56 (0.2)	122 (0.2)	105 (0.2)	96 (0.2)
Totals	544 (6.0)	489 (5.7)	439 (5.1)	395 (4.7)	233 (3.2)	238 (3.3)	11 (1.5)	1,240 (4.7)	1,137 (4.5)	1,240 (4.7)	2,377 (4.6)	2,072 (4.2)	2,200 (4.2)

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1956	1955	1954
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.	Totals.
10. SPEECH													
Defective articulation ...	165 (1.8)	69 (0.8)	34 (0.4)	13 (0.2)	18 (0.2)	11 (0.2)	—	—	217 (0.8)	94 (0.4)	311 (0.6)	275 (0.6)	215 (0.4)
Stammering ...	24 (0.3)	7 (0.1)	22 (0.3)	2 (0.0)	27 (0.4)	5 (0.1)	3 (0.4)	—	76 (0.3)	16 (0.1)	92 (0.2)	91 (0.2)	92 (0.2)
Totals ...	189 (2.1)	76 (0.9)	56 (0.7)	15 (0.2)	45 (0.6)	16 (0.2)	3 (0.4)	—	293 (1.1)	110 (0.4)	403 (0.8)	366 (0.7)	307 (0.6)
11. MENTAL AND NERVOUS CONDITION													
Backward ...	2 (0.0)	3 (0.0)	10 (0.1)	3 (0.0)	7 (0.1)	4 (0.1)	—	—	20 (0.1)	10 (0.0)	30 (0.1)	41 (0.1)	58 (0.1)
Dull ...	1 (0.0)	—	9 (0.1)	2 (0.0)	8 (0.1)	9 (0.1)	—	—	20 (0.1)	11 (0.0)	31 (0.1)	22 (0.0)	26 (0.1)
Mentally handicapped (educable)	—	—	1 (0.0)	—	—	—	—	—	1 (0.0)	—	1 (0.0)	2 (0.0)	5 (0.0)
" " (ineducable)	—	—	—	—	—	—	—	—	—	—	—	—	—
Highly nervous ...	5 (0.1)	19 (0.2)	18 (0.2)	15 (0.2)	6 (0.1)	7 (0.1)	—	—	30 (0.1)	41 (0.2)	71 (0.1)	51 (0.1)	50 (0.1)
Difficult in behaviour ...	3 (0.0)	3 (0.0)	3 (0.0)	1 (0.0)	1 (0.0)	1 (0.0)	—	—	7 (0.0)	5 (0.0)	12 (0.0)	4 (0.0)	14 (0.0)
Epilepsy (Mild) ...	13 (0.1)	8 (0.1)	8 (0.1)	9 (0.1)	10 (0.1)	7 (0.1)	—	1 (0.2)	31 (0.1)	26 (0.1)	57 (0.1)	34 (0.1)	29 (0.1)
" (Severe) ...	—	1 (0.0)	—	—	—	—	1 (0.1)	—	1 (0.0)	1 (0.0)	2 (0.0)	4 (0.0)	1 (0.0)
Totals ...	14 (0.3)	34 (0.4)	49 (0.6)	30 (0.4)	32 (0.4)	28 (0.4)	1 (0.1)	1 (0.2)	110 (0.4)	94 (0.4)	204 (0.4)	188 (0.3)	183 (0.4)

12. CIRCULATORY SYSTEM													
(a) Organic Heart Disease													
Congenital ...	37 (0.4)	31 (0.4)	19 (0.2)	20 (0.2)	11 (0.1)	12 (0.2)	—	1 (0.2)	67 (0.3)	64 (0.3)	131 (0.3)	112 (0.2)	130 (0.3)
Acquired ...	2 (0.0)	3 (0.0)	10 (0.1)	13 (0.2)	27 (0.4)	30 (0.4)	6 (0.8)	1 (0.2)	49 (0.2)	48 (0.2)	97 (0.2)	120 (0.2)	133 (0.3)
Functional Conditions ...	36 (0.4)	67 (0.8)	61 (0.7)	53 (0.6)	48 (0.6)	57 (0.8)	6 (0.8)	—	155 (0.6)	177 (0.7)	332 (0.6)	325 (0.7)	450 (0.9)
Totals ...	75 (0.8)	101 (1.2)	90 (1.1)	86 (1.0)	86 (1.2)	99 (1.4)	12 (1.6)	2 (0.3)	271 (1.0)	289 (1.1)	560 (1.1)	557 (1.1)	713 (1.4)
13. LUNGS													
Chronic Bronchitis ...	22 (0.2)	18 (0.2)	17 (0.2)	11 (0.1)	14 (0.2)	6 (0.1)	1 (0.1)	—	55 (0.2)	36 (0.1)	91 (0.2)	90 (0.2)	110 (0.2)
Suspected Tuberculosis ...	17 (0.2)	18 (0.2)	15 (0.2)	15 (0.2)	15 (0.2)	14 (0.2)	1 (0.1)	2 (0.3)	50 (0.2)	51 (0.2)	101 (0.2)	103 (0.2)	128 (0.2)
Catarrh ...	465 (5.1)	376 (4.4)	193 (2.3)	150 (1.8)	96 (1.3)	84 (1.2)	3 (0.4)	1 (0.2)	763 (2.9)	613 (2.4)	1,376 (2.7)	1,373 (2.8)	1,345 (2.6)
Other diseases ...	3 (0.0)	8 (0.1)	3 (0.0)	4 (0.0)	6 (0.1)	1 (0.0)	1 (0.1)	—	13 (0.0)	14 (0.1)	27 (0.1)	29 (0.1)	36 (0.1)
Totals ...	507 (5.6)	420 (4.9)	228 (2.7)	180 (2.1)	131 (1.8)	105 (1.4)	6 (0.8)	3 (0.5)	881 (3.4)	714 (2.8)	1,595 (3.1)	1,595 (3.2)	1,619 (3.1)
14. DEFORMITIES													
(a) Congenital ...	73 (0.8)	67 (0.8)	61 (0.7)	55 (0.7)	40 (0.5)	33 (0.5)	3 (0.4)	7 (1.1)	180 (0.7)	163 (0.6)	343 (0.7)	296 (0.6)	251 (0.5)
(b) Acquired	14 (0.2)	9 (0.1)	18 (0.2)	8 (0.1)	9 (0.1)	5 (0.1)	2 (0.3)	—	43 (0.2)	22 (0.1)	65 (0.1)	74 (0.1)	64 (0.1)
Infantile Paralysis ...	63 (0.7)	42 (0.5)	34 (0.4)	20 (0.2)	15 (0.2)	3 (0.0)	2 (0.3)	—	115 (0.4)	67 (0.3)	182 (0.4)	225 (0.5)	177 (0.3)
Probable Rickets ...	2 (0.0)	—	1 (0.0)	—	2 (0.0)	1 (0.0)	—	—	5 (0.0)	1 (0.0)	6 (0.0)	5 (0.0)	4 (0.0)
Cerebral Palsy ...	125 (1.4)	93 (1.1)	113 (1.3)	90 (1.1)	127 (1.7)	75 (1.0)	13 (1.7)	6 (1.0)	384 (1.5)	274 (1.1)	658 (1.3)	554 (1.1)	454 (0.9)
Other causes ...	277 (3.0)	211 (2.5)	227 (2.7)	173 (2.1)	193 (2.6)	117 (1.6)	20 (2.6)	13 (2.1)	727 (2.8)	527 (2.1)	1,254 (2.4)	1,154 (2.3)	950 (1.8)
Totals ...	277 (3.0)	211 (2.5)	227 (2.7)	173 (2.1)	193 (2.6)	117 (1.6)	20 (2.6)	13 (2.1)	727 (2.8)	527 (2.1)	1,254 (2.4)	1,154 (2.3)	950 (1.8)

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1955 Totals.	1954 Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.		
15. INFECTIOUS DISEASES ...	3 (0.0)	3 (0.0)	2 (0.0)	1 (0.0)	—	2 (0.0)	—	—	5 (0.0)	6 (0.0)	15 (0.0)	26 (0.1)
16. ASTHMA ...	60 (0.7)	20 (0.2)	42 (0.5)	14 (0.2)	35 (0.5)	13 (0.2)	3 (0.4)	—	140 (0.5)	54 (0.2)	170 (0.3)	172 (0.3)
17. DIABETES ...	1 (0.0)	2 (0.0)	1 (0.0)	—	—	5 (0.1)	—	—	2 (0.0)	8 (0.0)	11 (0.0)	10 (0.0)
18. OTHER DISEASES OR DEFECTS ...	394 (4.3)	446 (5.2)	271 (3.2)	312 (3.7)	131 (1.8)	215 (3.0)	6 (0.8)	11 (1.8)	812 (3.1)	999 (3.9)	1,818 (3.7)	1,677 (3.2)

APPENDIX IIa.—ADDITIONAL INFORMATION REGARDING RESULTS OF SYSTEMATIC EXAMINATIONS.

Except in respect of the dual information regarding children who wore glasses, no child appears more than once in each section. "Sections" are indicated by horizontal lines across the columns.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1955	1954
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.
Parents present at examination ...	8,605 (94.3)	8,107 (94.3)	5,501 (64.3)	6,031 (71.8)	1,007 (13.6)	1,429 (19.6)	13 (1.7)	22 (3.5)	15,266 (50.2)	15,765 (62.3)	29,714 (59.9)	31,797 (61.3)
Children notified to parents as requiring treatment:—												
(a) Defects of clothing and/or cleanliness and trivial caries of the temporary teeth	1,527 (16.7)	1,538 (17.9)	916 (10.7)	937 (11.2)	389 (5.3)	558 (7.7)	31 (4.1)	16 (2.6)	2,878 (11.0)	3,081 (12.2)	5,247 (10.6)	4,944 (9.5)
By printed notice.	177 (1.9)	307 (3.6)	270 (3.2)	489 (5.8)	213 (2.9)	622 (8.5)	1 (0.1)	—	666 (2.5)	1,450 (5.7)	2,227 (4.5)	2,131 (4.1)
(b) Other defects ...	2,148 (23.5)	1,849 (21.5)	1,301 (15.2)	1,331 (15.9)	887 (12.0)	842 (11.6)	91 (12.0)	78 (12.6)	4,466 (17.1)	4,148 (16.4)	8,751 (17.6)	8,949 (17.2)
By printed notice.	1,379 (15.1)	1,352 (15.7)	1,254 (14.6)	1,303 (15.5)	802 (10.8)	1,032 (14.2)	29 (3.8)	29 (4.7)	3,500 (13.4)	3,773 (14.9)	6,972 (14.1)	7,132 (13.7)
Children noted for re-inspection:—												
(a) Defects of clothing, etc. (as above) ...	919 (10.1)	1,085 (12.6)	653 (7.6)	971 (11.6)	277 (3.7)	887 (12.2)	7 (0.9)	7 (1.1)	1,874 (7.2)	3,004 (11.9)	4,648 (9.4)	4,216 (8.1)
(b) Other defects ...	3,263 (35.7)	2,976 (34.6)	2,526 (29.5)	2,597 (30.9)	1,890 (25.6)	1,970 (27.1)	149 (19.7)	107 (17.2)	7,923 (30.3)	7,763 (30.7)	15,853 (32.0)	16,076 (31.0)
Children excluded from attendance at school ...	16 (0.2)	24 (0.3)	15 (0.2)	19 (0.2)	8 (0.1)	11 (0.2)	—	—	39 (0.1)	55 (0.2)	77 (0.2)	122 (0.2)
Children "free from defects" in terms of Table III:—												
(a) No recorded defect ...	3,198 (35.0)	2,904 (33.8)	4,101 (47.9)	3,663 (43.6)	5,077 (68.7)	4,080 (56.0)	558 (73.6)	479 (77.1)	13,152 (50.2)	11,342 (44.8)	23,473 (47.3)	24,941 (48.1)
(b) Defects of clothing only ...	1 (0.0)	2 (0.0)	2 (0.0)	3 (0.0)	5 (0.1)	4 (0.1)	—	—	8 (0.0)	9 (0.0)	19 (0.0)	26 (0.1)
(c) Defects of cleanliness only ...	101 (1.1)	258 (3.0)	121 (1.4)	415 (4.9)	96 (1.3)	765 (10.5)	—	—	320 (1.2)	1,471 (5.8)	1,890 (3.8)	1,993 (3.8)
(d) Minor dental defect with or without clothing and/or cleanliness defect(s) ...	1,999 (21.9)	2,003 (23.3)	1,378 (16.1)	1,336 (15.9)	55 (0.7)	209 (2.9)	3 (0.4)	3 (0.5)	3,450 (13.2)	3,591 (14.2)	7,089 (14.3)	7,664 (14.8)

Teeth—	Sound	5,366 (58·8)	4,983 (58·0)	6,006 (70·2)	5,949 (70·9)	6,158 (83·3)	5,896 (81·0)	685 (90·4)	579 (93·2)	18,501 (70·7)	17,731 (70·1)	36,232 (70·4)	34,248 (69·1)	36,146 (69·7)
Number Recorded 51,487	One to four decayed	3,078 (33·7)	2,967 (34·5)	2,383 (27·8)	2,273 (27·1)	1,191 (16·1)	1,310 (18·0)	70 (9·2)	39 (6·3)	6,772 (25·9)	6,671 (26·4)	13,443 (26·1)	13,297 (26·8)	13,924 (26·8)
	Five or more decayed	684 (7·5)	646 (7·5)	172 (2·0)	173 (2·1)	44 (0·6)	75 (1·0)	3 (0·4)	3 (0·5)	907 (3·5)	905 (3·6)	1,812 (3·5)	2,042 (4·1)	1,825 (3·5)
Visual acuity (Snellen) :—														
	With glasses—													
	Good, 6/6 ...	513 (6·0)	605 (7·2)	515 (7·0)	690 (9·5)	121 (16·0)	690 (9·5)	121 (16·0)	113 (18·2)	1,173 (6·9)	1,431 (8·6)	2,604 (7·7)	2,244 (7·2)	2,209 (6·7)
	Fair, 6/9, 6/12	224 (2·6)	223 (2·7)	164 (2·2)	226 (3·1)	34 (4·5)	226 (3·1)	34 (4·5)	31 (5·0)	430 (2·5)	486 (2·9)	916 (2·7)	986 (3·2)	1,026 (3·1)
	Bad, 6/18, etc.	36 (0·4)	26 (0·3)	33 (0·4)	39 (0·5)	7 (0·9)	39 (0·5)	7 (0·9)	8 (1·3)	76 (0·4)	75 (0·4)	151 (0·4)	141 (0·5)	174 (0·5)
Children who wore glasses at examination	Without glasses													
	Good, 6/6 ...	262 (3·1)	326 (3·9)	171 (2·3)	309 (4·2)	38 (5·0)	309 (4·2)	38 (5·0)	33 (5·3)	480 (2·8)	678 (4·1)	1,158 (3·4)	1,073 (3·4)	1,025 (3·1)
	Fair, 6/9, 6/12	301 (3·5)	306 (3·7)	190 (2·6)	229 (3·1)	27 (3·6)	229 (3·1)	27 (3·6)	27 (4·3)	527 (3·1)	576 (3·5)	1,103 (3·3)	1,013 (3·2)	1,024 (3·1)
	Bad, 6/18, etc.	210 (2·5)	222 (2·7)	351 (4·8)	417 (5·7)	97 (12·8)	417 (5·7)	97 (12·8)	92 (4·8)	672 (3·9)	738 (4·4)	1,410 (4·2)	1,285 (4·1)	1,360 (4·1)
Children not wearing glasses at examination														
	Good, 6/6 ...	7,081 (83·0)	6,832 (81·6)	5,941 (80·5)	5,625 (77·3)	515 (68·0)	5,625 (77·3)	515 (68·0)	431 (69·4)	13,824 (81·3)	13,226 (79·3)	27,050 (80·3)	25,008 (80·1)	26,233 (79·6)
	Fair, 6/9, 6/12	564 (6·6)	558 (6·7)	529 (7·2)	512 (7·0)	59 (7·8)	512 (7·0)	59 (7·8)	31 (5·0)	1,166 (6·9)	1,135 (6·8)	2,301 (6·8)	2,247 (7·2)	2,596 (7·9)
	Bad, 6/18, etc.	118 (1·4)	127 (1·5)	201 (2·7)	182 (2·5)	21 (2·5)	182 (2·5)	21 (2·5)	7 (1·1)	345 (2·0)	323 (1·9)	668 (2·0)	605 (1·9)	701 (2·1)
Immunisation (Diphtheria).	Partial ...	131 (1·4)	163 (1·9)	41 (0·5)	24 (0·3)	2 (0·3)	24 (0·3)	2 (0·3)	—	201 (0·8)	236 (0·9)	437 (0·8)	391 (0·8)	346 (0·7)
Number Recorded 51,487	Completed ...	6,496 (71·2)	6,087 (70·8)	8,090 (94·5)	7,953 (94·7)	7,018 (94·9)	6,952 (95·5)	722 (95·2)	600 (96·6)	22,630 (86·4)	21,968 (86·8)	44,598 (86·6)	42,522 (85·8)	44,437 (85·6)
	Not immunised	2,501 (27·4)	2,346 (27·3)	430 (5·0)	395 (4·7)	350 (4·7)	305 (4·2)	34 (4·5)	21 (3·4)	3,349 (12·8)	3,103 (12·3)	6,452 (12·5)	6,673 (13·5)	7,112 (13·7)
Vaccination (Smallpox)	Successful vaccination	3,943 (43·2)	3,772 (43·9)	6,342 (74·1)	6,296 (75·0)	5,749 (77·8)	5,855 (80·4)	657 (86·7)	561 (90·3)	16,929 (64·7)	16,779 (66·3)	33,708 (65·5)	34,203 (69·0)	35,939 (69·3)
Number Recorded 51,487	Successful re-vaccination	4	1	48	34	94	41	18	—	165 (0·6)	78 (0·3)	243 (0·5)	1,016 (2·0)	938 (1·8)
	Unsuccessful or no vaccination	5,181 (56·8)	4,823 (56·1)	2,171 (25·4)	2,065 (24·6)	1,550 (21·0)	1,385 (19·0)	83 (10·9)	60 (9·7)	9,086 (34·7)	8,450 (33·4)	17,536 (34·1)	14,367 (29·0)	15,018 (28·9)

See page 49

APPENDIX IIb.—VISUAL ACUITY AND HEARING OF CHILDREN BORN IN 1948.

See Report for 1954, page 72.

VISUAL ACUITY.

Result of Eyesight (Snellen) Test.

		No. and percentage			1955.	1954.
		Boys.	Girls.	Totals.	Totals.	Totals.
Children who wore glasses at examination.	With Glasses—					
	Good, 6/6 ...	150 (1·7)	172 (2·1)	322 (1·9)	332 (1·9)	328 (2·0)
	Fair, 6/9, 6/12 ...	269 (3·1)	295 (3·6)	564 (3·4)	611 (3·4)	555 (3·4)
	Bad, 6/18 etc. ...	45 (0·5)	39 (0·5)	84 (0·5)	112 (0·6)	78 (0·5)
	Without Glasses—					
	Good, 6/6 ...	77 (0·9)	97 (1·2)	174 (1·0)	171 (1·0)	173 (1·1)
Fair, 6/9, 6/12 ...	218 (2·5)	226 (2·8)	444 (2·7)	454 (2·6)	443 (2·7)	
Bad, 6/18, etc. ...	169 (2·0)	183 (2·3)	352 (2·1)	430 (2·4)	345 (2·1)	
Children not wearing glasses at examination	Good, 6/6 ...	5,488 (64·3)	5,141 (63·7)	10,629 (64·0)	11,538 (65·3)	10,511 (65·0)
	Fair, 6/9, 6/12 ...	1,967 (23·0)	1,853 (23·0)	3,820 (23·0)	3,883 (22·0)	3,565 (22·0)
	Bad, 6/18, etc. ...	618 (7·2)	564 (7·0)	1,182 (7·1)	1,188 (6·7)	1,141 (7·0)
Totals ...		8,537	8,064	16,601	17,664	16,178

Summary of findings (taking the better eye and with spectacles if worn at examination) :—

		No. and percentage.			1955.	1954.
		Boys.	Girls.	Totals.	Totals.	Totals.
Good, 6/6 ...	...	5,638 (66·0)	5,313 (65·9)	10,951 (66·0)	11,870 (67·2)	10,839 (67·0)
Fair, 6/9, 6/12 ...	...	2,236 (26·2)	2,148 (26·6)	4,384 (26·4)	4,494 (25·4)	4,120 (25·4)
Bad, 6/18, etc. ...	...	663 (7·8)	603 (7·5)	1,266 (7·6)	1,300 (7·3)	1,219 (7·5)
Totals ...		8,537	8,064	16,601	17,664	16,178

Of those with defective eyesight, 1,552 (809 boys and 743 girls) were recommended for refraction or for re-test.

HEARING.

Result of Hearing Test.

	No. and percentage.				
	1956.			1955.	1954.
	Boys.	Girls.	Totals.	Totals.	Totals.
Normal	8,471 (99·2)	7,994 (99·1)	16,465 (99·2)	17,541 (99·3)	16,069 (99·3)
Defective—					
Grade I, for ordinary class ...	21 (0·2)	19 (0·2)	40 (0·2)	36 (0·2)	22 (0·1)
Grade IIa, for front seat ...	15 (0·2)	10 (0·1)	25 (0·1)	10 (0·0)	8 (0·0)
Grade IIb, for class for semi-deaf ...	22 (0·2)	32 (0·4)	54 (0·3)	54 (0·3)	52 (0·3)
Grade III, for deaf class ...	8 (0·1)	9 (0·1)	17 (0·1)	23 (0·1)	27 (0·2)
	8,537	8,064	16,601	17,664	16,178

91 of the above children (42 boys and 49 girls) were referred to clinic for investigation of the cause of deafness.

APPENDIX IIc.—AVERAGE MEASUREMENTS OF SCHOOL CHILDREN.

The averages for age, height and weight of children in the four age-groups measured at routine inspection during the year 1955-56 are given below with comments.

PUPILS AGED SIXTEEN YEARS.

Details of the average measurements in this age-group are as follows :—

	Non-transferred		Transferred		All	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Number examined	465	350	149	127	614	477
Average age (in months beyond year of age)	6·13	6·25	5·92	6·22	6·08	6·24
Height (in inches)	67·35	63·98	66·42	63·18	67·13	63·77
Weight (in pounds)	133·60	124·10	130·47	124·37	132·85	124·17

PUPILS IN OTHER AGE-GROUPS.

On page 59 is a table showing the averages of 5, 9 and 13 year-olds in 1956 and the relative average measurements adjusted to the uniform ages of 5 years 4 months, 9 years 5 months and 13 years 5 months

for that school year and for each of the previous school years back to 1947. To simplify the study of those adjusted measurements, the highest in each column is printed in **heavy** type and the second highest in *italics*.

The findings may be summarised thus :—

(1) PUPILS AGED FIVE YEARS.

(a) BOYS. The averages were improved—highest place being attained for weight in each column. In respect of height, “non-transferred” pupils, although improved, failed to reach even second highest place but the “transferred” and “all” figures were highest and second highest in their respective series.

(b) GIRLS. Here also, weight had the highest average in each column. Heights, improved over the previous year’s averages, were second highest in two of the columns but failed to reach even the second position in the case of “non-transferred” pupils.

(2) PUPILS AGED NINE YEARS.

(a) BOYS. In five out of six columns the highest position was attained ; the remaining one, (height of “non-transferred” pupils) was improved but could only reach second place.

(b) GIRLS. Highest place was attained in five out of six columns ; in the remaining column (height of “non-transferred” pupils) the second highest place was reached.

(3) PUPILS AGED THIRTEEN YEARS.

(a) BOYS. Highest place was again reached in each column.

(b) GIRLS. Highest place was also attained in each of the six columns.

(4) In each relative group the average measurement in 1955 was higher than the highest average in any year prior to 1950.

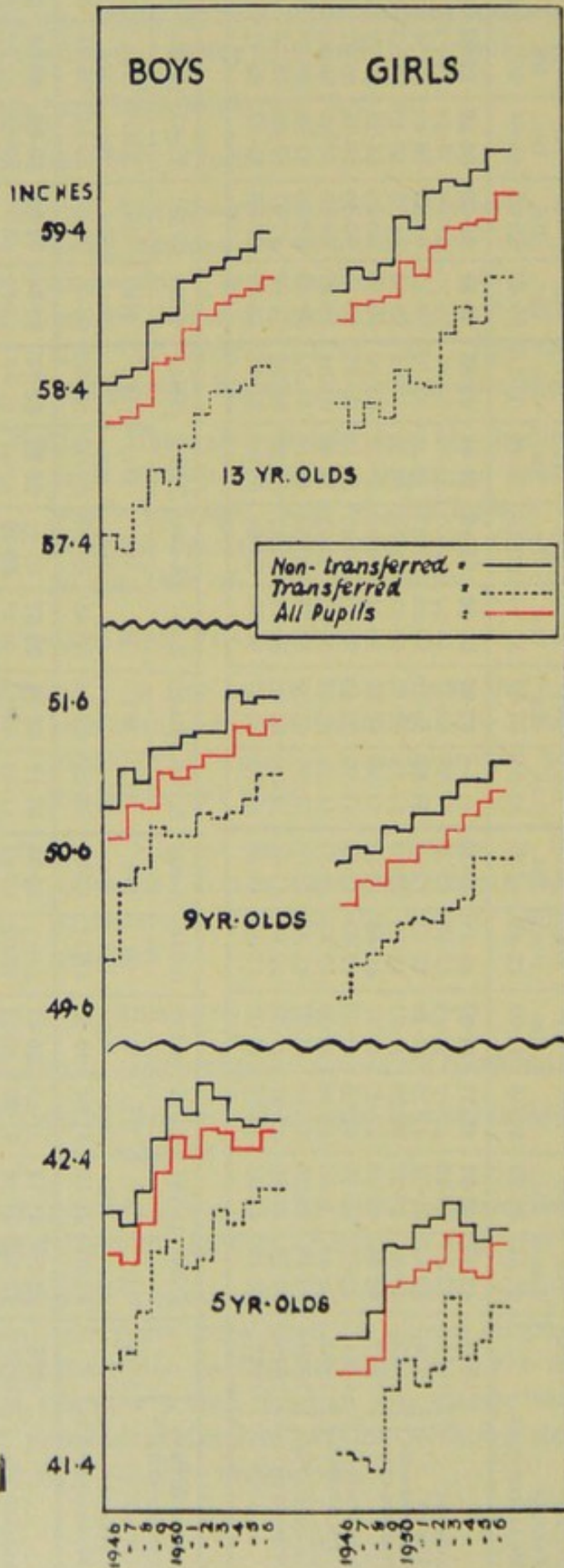
Graphs of the average measurements of pupils in three age-groups for each of the post-war years from 1946 are shown on pages 60 and 61. From a study of these, the continuous increase in the average heights and weights of Glasgow school children was clearly seen. Even the heights of five year-olds which had previously shown signs of deterioration (see 1955 Report) were improved.

Numbers, Average Ages and Measurements of Children of 5, 9 and 13 years of age within the Groups examined during Systematic Inspection.
(The highest "adjusted" average in each column is in **black type** and the second in *italics*.)

AGE. Type of School	5 YEARS.						9 YEARS.						13 YEARS.					
	Non-transf'd		Transferred		All		Non-transf'd		Transferred		All		Non-transf'd		Transferred		All	
	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.
No. of Boys & Age (months)*	5,674 (3-65)		2,868 (4-23)		8,542 (3-85)		5,196 (5-21)		2,196 (5-11)		7,392 (5-18)		4,404 (5-20)		1,981 (5-44)		6,385 (5-28)	
Average Measurements	42-51	42-56	42-35	41-92	42-46	42-35	51-64	64-07	51-10	62-18	51-48	63-51	59-43	93-00	58-64	90-17	59-18	92-13
	42-56	42-64	42-31	41-87	<i>42-48</i>	42-38	<i>51-60</i>	63-97	51-08	62-13	51-45	63-42	59-39	92-85	58-56	89-83	59-13	91-91
Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 9 yrs. 5 mths., and 13 yrs. 5 mths. respectively)	42-51	42-48	42-27	41-79	42-43	42-26	51-56	63-77	50-94	62-10	51-37	63-26	59-30	92-65	58-43	89-73	59-04	91-78
	42-53	42-32	42-19	41-49	42-43	42-05	51-63	63-81	50-85	61-63	51-40	63-16	59-27	91-85	58-40	88-90	59-01	90-93
	42-59	42-27	42-23	41-61	42-48	42-07	51-38	62-55	50-83	61-13	51-22	62-14	59-20	91-25	58-40	88-13	58-96	90-33
	42-65	42-30	42-07	41-31	42-49	42-02	51-38	62-30	50-84	60-93	51-22	61-90	59-16	90-90	58-25	87-29	58-88	89-80
	42-55	42-40	42-05	41-23	42-40	42-05	51-35	62-43	50-70	60-40	51-15	61-82	59-11	90-50	58-05	86-82	58-79	89-38
	42-60	42-60	42-13	41-59	42-47	42-31	51-26	62-33	50-70	60-79	51-08	61-84	58-89	89-19	57-80	86-33	58-60	88-43
	42-47	42-25	42-10	41-57	42-36	42-05	51-26	62-23	50-75	60-57	51-11	61-73	58-85	88-86	57-88	86-28	58-57	88-13
	42-29	41-85	41-91	41-05	42-18	41-61	51-05	61-62	50-49	60-57	50-89	61-32	58-54	87-97	57-65	85-19	58-28	87-18
	42-19	41-69	41-77	41-02	42-06	41-49	51-13	61-67	50-39	59-84	50-90	61-11	58-49	87-60	57-37	83-97	58-20	86-67
No. of Girls & Age (months)*	5,298 (3-76)		2,716 (4-19)		8,014 (3-90)		5,194 (5-44)		2,201 (5-43)		7,395 (5-44)		4,329 (5-39)		1,987 (5-12)		6,314 (5-31)	
Average Measurements	42-20	41-12	41-94	40-52	42-11	40-91	51-25	62-98	50-65	60-79	51-07	62-33	60-00	98-34	59-11	95-35	59-72	97-40
	42-16	41-17	<i>41-91</i>	40-47	<i>42-13</i>	40-94	51-17	62-76	50-57	<i>60-57</i>	50-99	62-11	59-94	97-92	59-09	95-24	59-67	97-12
Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 9 yrs. 5 mths., and 13 yrs. 5 mths. respectively)	42-13	41-16	41-80	40-13	42-02	40-83	51-06	62-35	50-56	60-75	50-91	61-88	59-83	96-80	58-84	94-43	59-51	96-03
	42-18	41-03	41-75	39-97	42-04	40-69	51-06	61-76	50-30	59-48	50-83	61-08	59-75	96-40	58-94	93-34	59-48	95-41
	42-26	40-73	41-95	40-13	42-16	40-54	50-94	60-89	50-22	58-66	50-73	60-24	59-76	94-87	58-78	93-00	59-45	94-29
	42-21	40-74	41-72	39-69	42-07	40-44	50-83	60-27	50-15	58-49	50-62	59-72	59-70	95-33	58-43	91-25	59-32	94-12
	42-18	40-89	41-66	39-83	42-03	40-58	50-84	60-27	50-16	58-52	50-62	59-71	59-46	94-42	58-45	91-26	59-15	93-46
	42-11	40-78	41-74	39-72	42-00	40-46	50-73	60-22	50-13	58-38	50-54	59-64	59-52	94-10	58-53	91-02	59-22	93-16
	42-12	40-73	41-65	39-61	41-98	40-41	50-76	60-05	50-02	58-18	50-54	59-49	59-32	92-94	58-23	90-24	59-01	92-16
	41-91	40-13	41-38	39-17	41-74	39-83	50-59	59-51	49-94	57-73	50-38	58-95	59-24	92-28	58-33	89-87	58-98	91-58
	41-82	40-10	41-42	39-17	41-70	39-81	50-63	59-34	49-87	57-75	50-40	58-86	59-29	92-50	58-16	88-74	58-96	91-41

* Beyond years of age given at head of sections.

AVERAGE HEIGHTS IN POST WAR PERIOD



AVERAGE WEIGHTS IN POST-WAR PERIOD

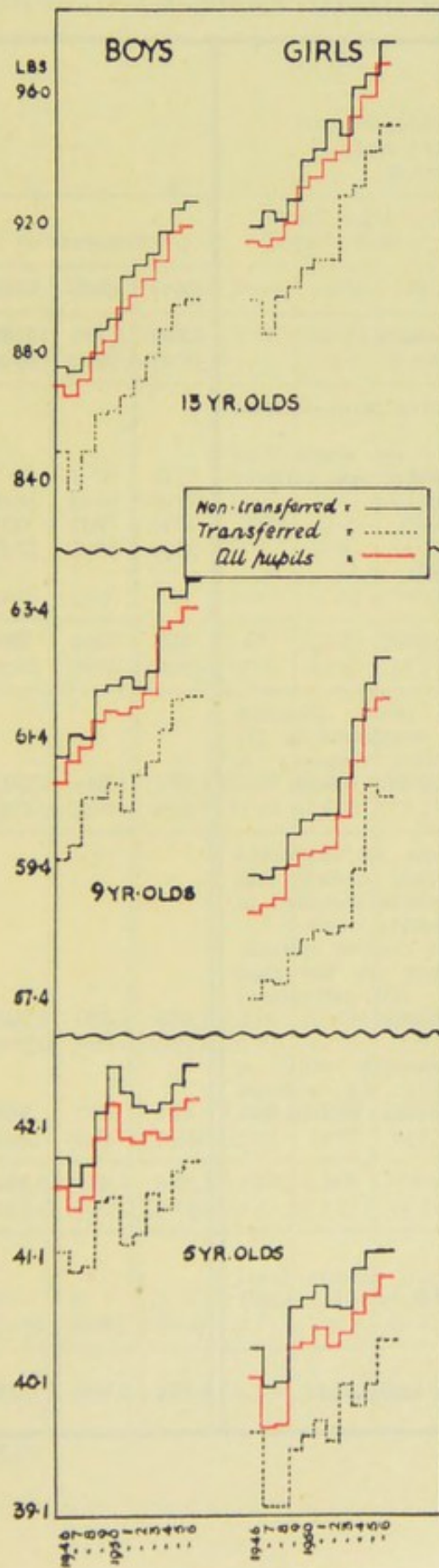


TABLE III.—SYSTEMATIC MEDICAL EXAMINATION OF ACCORDING TO REMEDIABILITY OF THE MAJOR

CLASSIFICATION	NO. OF CHILDREN EACH GROUP (AND					
	Entrants			Second Age Group		
	Boys	Girls	Total	Boys	Girls	Total
I. Children free from defects	5,299 (58.1)	5,167 (60.1)	10,466 (59.0)	5,602 (65.4)	5,417 (64.5)	11,019 (65.0)
II. 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	2 (0.0)	1 (0.0)	3 (0.0)	535 (6.3)	527 (6.3)	1,062 (6.3)
(b) Oral Sepsis	130 (1.4)	102 (1.2)	232 (1.3)	92 (1.1)	99 (1.2)	191 (1.1)
(c) Both (a) and (b)	—	1 (0.0)	1 (0.0)	4 (0.0)	7 (0.1)	11 (0.1)
Totals	132 (1.4)	104 (1.2)	236 (1.3)	631 (7.4)	633 (7.5)	1,264 (7.5)
III. Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks ...	1,957 (21.4)	1,844 (21.5)	3,801 (21.4)	1,143 (13.4)	1,238 (14.7)	2,381 (14.0)
IV. Children suffering from (or suspected to be suffering from) defects less remediable than defects specified in II or III, distinguishing cases—						
(a) Where complete cure or restoration of function (in the case of eye defect, full correction) is considered possible	1,245 (13.6)	1,101 (12.8)	2,346 (13.2)	773 (9.0)	792 (9.4)	1,565 (9.2)
(b) Where improvement only is considered possible, e.g., without complete restoration of function	491 (5.4)	377 (4.4)	868 (4.9)	403 (4.7)	312 (3.7)	715 (4.2)
Totals	1,736 (19.0)	1,478 (17.2)	3,214 (18.1)	1,176 (13.7)	1,104 (13.2)	2,280 (13.4)
V. Children suffering from defects from which improvement is not considered possible	4 (0.0)	3 (0.0)	7 (0.0)	9 (0.1)	3 (0.0)	12 (0.1)
Total numbers of children examined ...	9,128	8,596	17,724	8,561	8,395	16,956

* Includes 754 children

CHILDREN IN ORDINARY SCHOOLS. CLASSIFICATION
DEFECTS FOUND IN THE INDIVIDUAL CHILD.

EXAMINED IN PERCENTAGES).						NO. OF CHILDREN EXAMINED (AND PERCENTAGES).				
Third Age Group			Fourth Age Group			* All Ages Totals, 1956			Totals, 1955	Totals, 1954
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total		
5,233 (70·8)	5,058 (69·5)	10,291 (70·1)	561 (74·0)	482 (77·6)	1,043 (75·6)	16,930 (64·7)	16,413 (64·9)	33,343 (64·8)	32,471 (65·5)	34,624 (66·7)
524 (7·1)	548 (7·5)	1,072 (7·3)	86 (11·3)	56 (9·0)	142 (10·3)	1,159 (4·4)	1,163 (4·6)	2,322 (4·5)	2,350 (4·7)	2,680 (5·2)
61 (0·8)	90 (1·2)	151 (1·0)	1 (0·1)	10 (1·6)	11 (0·8)	286 (1·1)	306 (1·2)	592 (1·1)	725 (1·5)	675 (1·3)
1 (0·0)	12 (0·2)	13 (0·1)	—	—	—	6 (0·0)	21 (0·1)	27 (0·1)	47 (0·1)	46 (0·1)
586 (7·9)	650 (8·9)	1,236 (8·4)	87 (11·5)	66 (10·6)	153 (11·1)	1,451 (5·5)	1,490 (5·9)	2,941 (5·7)	3,122 (6·3)	3,401 (6·6)
749 (10·1)	774 (10·6)	1,523 (10·4)	51 (6·7)	32 (5·2)	83 (6·0)	3,936 (15·0)	3,924 (15·5)	7,860 (15·3)	7,029 (14·2)	7,195 (13·9)
437 (5·9)	498 (6·8)	935 (6·4)	27 (3·6)	24 (3·9)	51 (3·7)	2,514 (9·6)	2,445 (9·7)	4,959 (9·6)	4,690 (9·5)	4,514 (8·7)
378 (5·1)	295 (4·1)	673 (4·6)	32 (4·2)	16 (2·6)	48 (3·5)	1,325 (5·1)	1,020 (4·0)	2,345 (4·6)	2,240 (4·5)	2,137 (4·1)
815 (11·0)	793 (10·9)	1,608 (11·0)	59 (7·8)	40 (6·4)	99 (7·2)	3,839 (14·7)	3,465 (13·7)	7,304 (14·2)	6,930 (14·0)	6,651 (12·8)
10 (0·1)	6 (0·1)	16 (0·1)	—	1 (0·2)	1 (0·1)	24 (0·1)	15 (0·1)	39 (0·1)	35 (0·1)	24 (0·0)
7,393	7,281	14,674	758	621	1,379	26,180	25,307	51,487	49,587	51,895

outwith normal Age Groups.

APPENDIX IIIa.—*INSPECTION OF SPECIAL CASES ("NON-ROUTINES" AND "ABNORMALS").*

DEFECTS FOUND IN CHILDREN PRESENTED FOR MEDICAL INSPECTION AS "NON-ROUTINES"—16,844 children were presented for "non-routine" inspection (generally on account of defect observed or suspected by teachers); 15,088 of these were pupils in ordinary schools and 1,756 in special schools.

Some of these children were found on examination to have more than one defect. The individual results were: nits minor, 889; nits major and/or vermin, 298; skin conditions, 1,317; eye conditions (including defective vision), 5,138; ear, nose and throat defects, 1,646; "general" defects, 6,095; defective teeth, 386; no apparent disease, 346; and other causes, 1,048.

RE-INSPECTION BY MEDICAL OFFICERS OF "ABNORMALS."—The total number of re-inspections was, 28,393. Of these, 11,223 (39.5 per cent.) were found to be receiving treatment at the school clinics, 7,270 (25.6 per cent.) were being treated elsewhere, 6,586 (23.2 per cent.) did not require treatment, and 3,314 (11.7 per cent.) had not had the necessary treatment provided. These last were unimportant cases or were reported for "following up" by other methods.

(Details of "non-routine" and "abnormal" cases examined in Nursery Schools are given on page 75).

APPENDIX IIIb.—*OTHER SPECIAL INSPECTIONS.*

(a) LEAVING INTERVIEWS.—These were granted in order to bring medical records up-to-date and to give advice, in some cases, regarding unsuitability for certain occupations—9,971 pupils presented themselves.

(b) HOLIDAY CAMPS, ETC.—Arrangements were again made for inspection of pupils attending schools, junior clubs, and play centres who had been proposed for holiday camps in the summer and for school children going to harvesting camps in the autumn.

(i) *School, Junior Club and Play Centre Holiday Camps (June-July, 1956).*

	Boys		Girls	
	Preliminary Inspection	Final Inspection	Preliminary Inspection	Final Inspection
	No. and %	No. and %	No. and %	No. and %
Fit	2,872 (87.3)	3,261 (98.0)	1,952 (78.7)	2,448 (97.4)
*Fit?	389 (11.8)	—	506 (20.4)	—
Unfit	28 (0.9)	65 (2.0)	21 (0.8)	65 (2.6)
Totals ...	3,289	3,326	2,479	2,513

* Doubtful fitness at preliminary inspection.

(ii) *Children for Harvesting Camps (October, 1955).*

	Boys		Girls	
	Preliminary Inspection	Final Inspection	Preliminary Inspection	Final Inspection
	No. and %	No. and %	No. and %	No. and %
Fit	1,244 (77.7)	1,244 (94.7)	103 (59.2)	111 (92.5)
*Fit?	288 (18.0)	—	59 (33.9)	—
Unfit	69 (4.3)	69 (5.3)	12 (6.9)	9 (7.5)
Totals ...	1,601	1,313	174	120

* Doubtful fitness at preliminary inspection.

APPENDIX IIIc.—CLEANLINESS INSPECTION IN SCHOOLS BY NURSES.

See Report for 1954, page 85.

Cleanliness inspectresses saw more children at first inspection than in 1955 and the results were even more satisfactory; a considerable improvement being recorded at both inspections—the best percentages for some years. Returns of nurse inspectresses also showed improvement. Details are given below.

Cleanliness Inspectresses of the School Health Service.

	Boys.		Girls.	
	1956.	1955.	1956.	1955.
<i>First Inspections.</i>				
Examined ...	53,761	53,590	55,283	54,193
Infested ...	654 (1.2)	695 (1.3)	1,975 (3.6)	2,027 (3.7)
Infected ...	2,239 (4.2)	2,616 (4.9)	7,870 (14.2)	8,635 (15.9)
<i>Re-Inspections.</i>				
Examined ...	15,853	16,440	32,481	33,566
Infested ...	672 (4.2)	802 (4.9)	3,264 (10.0)	4,035 (12.0)
Infected ...	3,942 (24.9)	4,511 (27.4)	14,005 (43.1)	15,491 (46.1)

In 611 instances, formal notices to cleanse children within 24 hours were issued, mainly by Cleanliness Inspectresses and Senior Woman Assistants. On re-inspection, 149 were found to have been cleansed at home by the parents and 188 to have been compulsorily disinfested at school or clinic.

Under Section 52 of the Education (Scotland) Act, 1946, 64 cases in respect of 62 parents were referred to the Procurator Fiscal during the course of the year. Of that total, 2 cases were deserted, 3 were admonished, 1 was deferred, and on the remainder fines were imposed as follows :— 1 of £5, 40 of £1 each, 12 of 10s., and 3 of 5s.

Nurse Inspectresses of the Sanitary Divisions.

	Boys.		Girls.	
	1956.	1955.	1956.	1955.
<i>General Inspections.</i>				
Examined ...	51,442	52,374	48,027	47,233
Infested ...	84 (0.2)	127 (0.2)	195 (0.4)	425 (0.9)
Infected ...	4,863 (9.5)	5,421 (10.4)	11,756 (24.5)	12,539 (26.8)
<i>Re-Inspections.</i>	8,859	8,626	18,487	19,076

The Nurse Inspectresses also visited 3,776 houses and re-visited 227. They issued 162 formal printed notices to parents to cleanse the children within 24 hours, and reported that 5 children had been cleansed at clinics and 7,286 by the parents.

APPENDIX III d.—*CLEANLINESS SUPERVISION BY SENIOR WOMAN ASSISTANTS (ASSISTED BY WELFARE ATTENDANTS) AT SELECTED SCHOOLS.*

See Report for 1954, page 87.

The following table gives the percentages of children in the 26 selected schools found to be "clean and well-cared for in every respect" at two general inspections during the Session.

	First Inspection		Second Inspection	
	Boys.	Girls.	Boys.	Girls.
Six original schools (January, 1941) ...	84.9%	66.0%	87.6%	68.0%
All selected schools	88.8%	70.3%	91.1%	75.6%

In the *six original schools* the only improvement recorded was in respect of the girls at first inspection.

The percentages for *all selected schools* were the best ever recorded with the exception of the boys at first inspection, whose percentage was only exceeded by that in 1955.

The successful functioning of the scheme during the course of the Session may also be seen in the improved percentages at second inspection over those of first inspection.

The returns for the Units with full-time attendants have been extracted and the table below shows the average percentages for each of the two general inspections (*a*) in the year immediately preceding the appointment of the attendants and (*b*) in the Sessions 1954, 1955 and 1956 which were the first, second and third complete years respectively during which the experiment with all six Units had been uniformly operating. Perusal of the table will reveal the consistent improvement noted following the appointment of full-time attendants.

Percentage of Cleanliness in Units with Full-time Welfare Attendants.

	First Inspection.		Second Inspection.	
	Boys.	Girls.	Boys.	Girls.
Prior to appointment of full-time Attendant	79.1	56.8	86.5	65.3
School Year 1953/54	88.6	71.4	90.7	75.3
School Year 1954/55	89.6	74.5	93.6	80.9
School Year 1955/56	91.6	74.8	94.3	81.2

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

Disability	(a)	(b)	(c)	Totals
	At Special schools or classes	At no school or institution	At hospital or other institution	
1. BLIND	27	—	29	56
2. PARTIALLY SIGHTED—				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	23	—	—	23
(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	48	—	—	48
3. DEAF—Grade IIB	105	—	—	105
Grade III	225	—	2	227
4. DEFECTIVE SPEECH				
(a) Defects of articulation requiring special educational measures	3	—	—	3
(b) Stammering requiring special educational measures				
5. MENTALLY HANDICAPPED— (Children between 5 and 16 years)—				
(a) Educable (I.Q. approx. 50-70)	2,976	—	146	3,122
(b) Ineducable (I.Q. generally less than 50) ...	446	125	85	656
6. EPILEPSY—				
(a) Mild and occasional ...	58	—	—	58
(b) Severe (suitable for care in a residential school ...	—	—	13	13
7. PHYSICALLY HANDICAPPED— (Children between 6 and 16 years)—				
(a) Non - pulmonary tuberculosis (excluding cervical glands)	75	*3	—	78
(b) General orthopaedic conditions	164	*15	48	227
(c) Organic heart disease ...	33	*3	—	36
(d) Other causes of ill-health	385	*16	40	441

* Home Tuition cases.

8. MULTIPLE DEFECTS (included in the figures on the previous page)—
Pupils attending special schools or classes :—

(a) <i>Mentally handicapped (ineducable)</i>					
and physically handicapped :					
(i)	general orthopaedic conditions	...	...	...	17
(ii)	other causes of ill-health	...	...	...	91
(iii)	epilepsy	...	...	...	36
(iv)	deaf	...	...	...	—
(v)	blind	...	...	...	1
(b) <i>Mentally handicapped (educable)</i>					
and physically handicapped :					
(i)	general orthopaedic conditions	...	...	...	44
(ii)	other causes of ill-health	...	...	...	315
(iii)	epilepsy	...	...	...	53
(iv)	deaf	...	...	...	7
(v)	blind	...	...	...	—
(c)	<i>Other multiple defects</i>	...	...	...	248

TABLE V.—DENTAL INSPECTION AND TREATMENT.

DENTAL INSPECTION.

(1) NUMBER OF CHILDREN INSPECTED BY THE DENTAL OFFICERS.	1956			1955	1954
	System- atic Exam- inations	Other Cases	Totals	Totals	Totals
AGE					
3	—	—	—	—	—
4	28	—	28	21	7
5	4,533	—	4,533	4,718	5,441
6	5,067	—	5,067	5,920	6,330
7	5,275	—	5,275	6,760	6,104
8	5,791	—	5,791	6,251	5,087
9	5,805	—	5,805	5,638	5,071
10	4,550	—	4,550	5,540	5,073
11	4,804	—	4,804	4,440	4,796
12	2,902	—	2,902	3,096	2,819
13	1,867	—	1,867	1,829	2,033
14	1,647	—	1,647	1,745	2,103
15	145	—	145	405	419
16	—	—	—	27	22
Totals	42,414	—	42,414	47,390	45,305
(1A). No. of schools in- spected	75	—	75	86	76
(1B). Half-days spent at inspection	219	—	219	218	203
(2). Found to require treatment	33,493 (80.0%)	—	33,493 (80.0%)	37,659 (79.5%)	35,481 (78.3%)
(2A). Number of children accepting treatment	11,964 (35.7%)	—	11,964 (35.7%)	14,189 (37.7%)	15,230 (42.9%)
(2B). Cards not returned or returned blank ...	1,059 (3.2%)	—	1,059 (3.2%)	957 (2.5%)	1,237 (3.5%)
(2C). Promised private treatment	20,470 (61.1%)	—	20,470 (61.1%)	22,513 (59.8%)	19,014 (53.6%)

DENTAL TREATMENT.

	1956			1955	1954
	System- atic Exam- inations.	Other* Cases.	Totals.	Totals.	Totals.
(3) Actually treated by the school dental officers	11,385	6,206	17,591	20,094	22,457
(3A) Number of the above cases where treatment was completed ...	6,623 (58.2%)	3,397 (54.7%)	10,020 (60.0%)	11,766 (58.5%)	14,000 (62.3%)
(4) Number of attendances for treatment	33,442	18,562	52,004	56,729	60,058
(4A) Attendances, but treatment not given	1,248	868	2,116	2,286	2,704
(5) Fillings—					
(a) Permanent teeth ...	11,224	6,418	17,642	17,869	16,764
(b) Temporary teeth ...	1,871	626	2,497	2,598	2,089
(6) Extractions—					
(a) Permanent teeth—					
Without anaesthetic	—	8	8	1	14
With local anaesthetic	2,000	2,542	4,542	4,902	5,201
With general anaesthetic ...	214	251	465	541	553
(b) Temporary teeth—					
Without anaesthetic	14	7	21	36	61
With local anaesthetic	12,568	6,270	18,838	22,567	26,736
With general anaesthetic ...	368	438	806	812	848
(7) Number of administrations of general anaesthetic for extractions ...	101	113	214	257	285
(8) Other operations—					
(a) Permanent teeth—					
Scalings ...	796	391	1,187	1,729	1,930
Gum treatment ...	246	226	472	487	724
Silver nitrate dressings	255	66	321	473	482
Temporary fillings ...	2,510	1,785	4,295	4,172	5,043
Others ...	1,553	1,215	2,768	2,951	7,372
(b) Temporary teeth—					
Scalings ...	1	2	3	—	2
Gum treatment ...	47	44	91	70	54
Silver nitrate dressings	3,067	1,061	4,128	4,897	5,407
Temporary fillings ...	156	101	257	264	309
Others ...	379	104	483	319	709

* Obtained from sources other than Routine Dental Inspection, including emergency treatment cases and patients referred by school medical officers, teachers, etc.

	1956.			1955.	1954.
	Systematic Examinations.	Other Cases.	Totals.	Totals.	Totals.
(9) Half-days devoted to inspection ...	219	—	219	218	203
Half-days devoted to treatment ...	4,540	2,112	6,652	6,797	6,920
Half-days devoted to orthodontic treatment	Not available		522	550	622
(10) Half-days devoted to dentures, X-rays, etc.	Not available		45	—	—
(11) Number of children treated under private arrangements ...			Not known		
(12) Ratio of fillings to extractions (permanent teeth only) ...	506 : 100	229 : 100	351 : 100	328 : 100	291 : 100

Orthodontic treatment—345 cases were treated, 120 being completed ; attendances totalled 4,049 and there were 15 attendances without treatment being given. Treatment included : appliances—first impression, 320 ; progress impression, 1,048 ; insertions—first, 169 ; subsequent, 593 ; total, 762. Adjustments numbered 2,546, and 239 other operations were performed.

Other work—Crowns, 8 ; artificial dentures, 148 ; root treatments, 33 (including 10 septic) ; special operations, 1 ; X-ray examinations, 567 ; gold inlays, 1 ; large incisal edge restorations, 16.

AGE DISTRIBUTION OF "OTHER CASES."

Age in years ...	1	2	3	4	5	6	7	8
Number treated ...	1	15	127	203	459	444	542	715
Age in years ...	9	10	11	12	13	14	15	16 or over
Number treated ...	768	545	529	596	654	468	115	25

TOTAL 6,206

APPENDIX VI.—SUMMARY OF MEDICAL INSPECTION AND TREATMENT STATISTICS (of which details are given throughout Report) showing comparison with Statistics for previous two years.

A. INSPECTION.

Type.	Cases 1956	Cases 1955	Cases 1954
Systematic Examinations (<i>page 40</i>) ...	51,487	49,587	51,895
Systematic Examinations— Special Schools (<i>page 40</i>)	1,081	1,025	1,284
Other Examinations in Schools (<i>page 41</i>) ...	77,671	71,449	67,409
Other Examinations mainly in Clinics (<i>page 41</i>)	34,898	36,176	35,712
Cleanliness Examinations (<i>page 41</i>) ...	157,378	157,789	167,218
Dental Inspections (<i>page 69</i>)	42,414	47,390	45,305
Totals ...	364,929	363,416	368,823

B. TREATMENT.

Disease or Defect.	Cases.			Attendances.		
	1956	1955	1954	1956	1955	1954
<i>(a) MINOR AILMENTS—</i>						
EAR—						
Examined only ...	996	1,119	1,274	} 31,483	36,927	41,324
Clinic Treatment ...	1,937	1,869	2,050			
Aurists' Examinations	1,348	1,395	1,358	1,348	1,395	1,358
Aurists' Classifications	33	344	34	33	356	34
Audiometric Surveys	1,240	1,240	1,141	1,246	1,245	1,146
<i>(page 20)</i>	5,554	5,967	5,857	34,110	39,923	43,862
EYE <i>(page 22)</i>	2,422	2,283	2,115	18,561	17,840	16,570
SKIN—						
Cuts, minor injuries, etc.	3,942	3,509	3,356	} 107,973	102,415	119,331
Clinic Treatment ...	11,054	11,036	13,915			
Cleansing Clinics ...	322	322	492	592	564	880
Ringworm.—Head ...	27	26	34	27	26	34
Body ...	34	46	78	<i>Included under "Clinic Treatment" above.</i>		
Scabies Baths	*(647)	*(243)	*(183)	3,899	1,512	1,031
<i>(page 23)</i>	15,379	14,939	17,875	112,491	104,517	121,276
<i>(b) DEFECTIVE VISION</i>						
Clinic Treatment ...	8,809	9,669	9,769	10,098	11,148	10,872
Spectacles supplied ...	5,236	5,756	5,537	6,851	6,891	7,284
<i>(page 24)</i>	14,045	15,425	15,306	16,949	18,039	18,156

* cases are included under "clinic treatment" but attendances are shown separately.

Disease or Defect.	Cases.			Attendances.		
	1956	1955	1954	1956	1955	1954
<i>(c) EAR, NOSE AND THROAT—</i>						
Aurists' Examinations	538	—	—	558	—	—
Tonsils and Adenoids Operations ...	1,304	2,020	1,588	3,705	6,584	4,879
Other Operations ...	26	10	11	26	10	11
<i>(page 25)</i>	1,868	2,030	1,599	4,289	6,594	4,890
<i>(d) ORTHOPAEDIC—</i>						
Examined only ...	1,533	1,367	1,357	1,533	1,367	1,357
Plaster Cases ...	—	—	27	—	—	27
Treated by Exercises	814	767	797	16,143	16,544	17,151
Treated outwith clinics	—	—	15	—	—	139
Treated in Spastic Unit	30	30	—	3,123	1,321	—
<i>(page 27)</i>	2,377	2,164	2,196	20,799	19,232	18,674
<i>(e) OTHER DISEASES—</i>						
General ...	6,115	6,310	6,031	18,168	17,171	17,541
Supply of Medicines	2,032	2,329	2,487	15,697	15,867	15,865
Artificial Light ...	1,722	1,908	1,703	21,202	24,058	22,715
Cardiac Cases ...	144	177	202	345	355	367
<i>(page 29)</i>	10,013	10,724	10,423	55,412	57,451	56,488
<i>(f) DENTAL—</i>						
Ordinary ...	17,591	20,094	22,457	54,120	59,015	62,762
Orthodontic ...	345	249	293	4,064	3,928	4,125
<i>(page 70)</i>	17,936	20,343	22,750	58,184	62,943	66,887
<i>(g) REMAND HOME ...</i> <i>(page 80)</i>	215	338	328	215	338	328
<i>(h) DEFECTIVE SPEECH ...</i> <i>(pages 81 to 83)</i>	739	1,123	1,084	7,277	9,722	9,069
TOTALS ...	70,548	75,087	79,240	328,287	332,671	352,075

APPENDIX VII.—NURSERY SCHOOLS AND DAY NURSERIES.

See Report for 1954, page 99.

At the end of July, 1956, the Education Department was responsible for the administration of 39 Nursery Schools having places for 1,527 children and of Southannan Residential Nursery School, Fairlie and Dunclutha Nursery School, Kirn, where 36 and 24 children respectively were accommodated. On the same date, the Health and Welfare Department had under its management 15 Day Nurseries with approximately 700 places and one 24-hour Day Nursery for 40 children whose mothers worked on nightshifts.

During the year ended 31st July, 1956, children to the number of 924 (482 boys and 442 girls) were subjected to "routine inspection," 1,978 were medically examined at the request of teachers, and 27 were re-inspected. The results of these examinations are detailed below.

ROUTINE INSPECTION.

(i) *Numbers and Percentages of Children Suffering from Defects*
(see Table II, page 46 for full details of headings).

Nature of defects found	1956			1955	1954
	Boys.	Girls.	Totals.	Totals.	Totals.
Unsatisfactory clothing	2	1	3 (0.3%)	2 (0.2%)	2 (0.2%)
Uncleanliness of head (nits) ...	6	17	23 (2.5%)	23 (2.4%)	47 (4.8%)
Skin conditions of head or body	30	13	43 (4.7%)	38 (4.0%)	49 (5.0%)
Defective nutrition	15	19	34 (3.7%)	29 (3.1%)	25 (2.6%)
Mouth and teeth unhealthy ...	4	4	8 (0.9%)	13 (1.4%)	6 (0.6%)
Naso-pharyngeal conditions ...	91	68	159 (17.2%)	157 (16.6%)	178 (18.2%)
Eye diseases (excluding defective vision)	8	6	14 (1.5%)	9 (1.0%)	14 (1.4%)
Defective vision	21	18	39 (4.2%)	47 (5.0%)	42 (4.3%)
Ear diseases (including defective hearing)	4	1	5 (0.5%)	5 (0.5%)	3 (0.3%)
Defective Speech	9	6	15 (1.6%)	22 (2.3%)	16 (1.6%)
Mental and nervous conditions ...	1	2	3 (0.3%)	1 (0.1%)	1 (0.1%)
Defects of circulatory system ...	4	5	9 (1.0%)	13 (1.4%)	9 (0.9%)
Pulmonary conditions	49	34	83 (9.0%)	70 (7.4%)	96 (9.8%)
Deformities	16	20	36 (3.9%)	21 (2.2%)	34 (3.5%)
Other diseases or defects	12	9	21 (2.3%)	26 (2.7%)	35 (3.6%)

(ii) *Classification of Children according to Remediability of Major Defects Found in the Individual Child (see Table III, page 62, for full details of headings).*

Classification.	1956			1955	1954
	Boys.	Girls.	Totals.	Totals.	Totals.
Free from defects	277	273	550 (59.5%)	604 (63.8%)	583 (59.6%)
Defects of mouth and teeth only	2	3	5 (0.5%)	8 (0.8%)	5 (0.5%)
Temporary ailments	145	115	260 (28.1%)	221 (23.3%)	251 (25.6%)
"Curable" defects	38	30	68 (7.4%)	86 (9.1%)	99 (10.1%)
"Improvable" defects	19	21	40 (4.3%)	28 (3.0%)	41 (4.2%)
Defects "not improvable" ...	1	—	1 (0.1%)	—	—
Totals	482	442	924	947	979

(iii) *Additional Information.*

Parents were notified of defects found in 306 instances, 55 (6.0 per cent.) of these being due to clothing, cleanliness, or minor dental defects, and 251 (27.2 per cent.) being in respect of other defects. School Medical Officers also noted 46 cases (5.0 per cent.) for re-inspection as a result of defects observed in clothing or cleanliness, or for minor dental defects, and 321 children (34.7 per cent) having other defects. "Sound teeth" was recorded in 749 cases (81.1 per cent.), 668 pupils (72.3 per cent.) were recorded as having had complete diphtheria immunisation and 552 (59.7 per cent.) as having been successfully vaccinated or re-vaccinated. The age distribution of the children at the date of inspection was 2 years, 323 ; 3 years, 378 ; 4 years, 216 ; 5 years, 7.

INSPECTION OF NON-ROUTINE CASES.

Children to the number of 1,978 were presented for inspection on account of defects observed or suspected by teachers. The individual results were as follows :—

Nits, 6 ; skin conditions, 117 ; eye conditions, 282 ; ear, nose and throat defects, 145 ; "general" defects, 1,027 ; defective teeth, 36 ; no apparent disease, 290 ; and other causes, 84.

RE-INSPECTION OF "ABNORMAL" CASES.

27 pupils were re-inspected during the Session.

APPENDIX VIII.—PREVENTION OF TUBERCULOSIS.

See Report for 1955, page 78.

B.C.G. Vaccination.

The annual campaign in schools was conducted from 12th October to 2nd December, 1955, and the results are given below with relative figures for the two previous years.

		1955	1954	1953
Total schools visited	...	112	114	109
Total forms issued	... ..	15,259	20,995	16,380
Parental consents granted	... ..	12,999	15,695	11,597
Total absent	... ..	580	705	391
Total number tested	...	12,419	14,990	11,206

MANTOUX RESULTS

		1955			1954	1953
		Boys.	Girls.	Total.	Total.	Total.
Positive	...	1,938	2,169	4,107	5,932	4,558
Negative	...	3,713	4,434	8,147	9,059	6,648

VACCINATIONS

	1955			1954	1953
	Boys.	Girls.	Total.	Total.	Total.
	3,703	4,424	8,127	9,009	6,632

Contact Surveys.

In co-operation with the various Divisional Medical Officers, arrangements were made for school children contacts of tuberculous cases in a number of schools to be X-rayed, after Mantoux testing and B.C.G. vaccination had been carried out. The pupils were transported to and from the Mass Miniature Radiography Centre at Cochrane Street in all but one instance when Belvidere Hospital was the centre.

Usually, the pupils of one Class or Form only, were involved and in a few instances a number of teachers were also X-rayed. Altogether, approximately 400 persons from 14 schools were X-rayed during the year.

Anglo-Danish Scheme.

As the result of an offer from the National Association for the Prevention of Tuberculosis to provide a holiday for a group of Glasgow children in Vordingborg Sanatorium, Denmark, School Medical Officers were asked to recommend suitable cases. Pulmonary Tuberculosis contacts from poor homes and children with non-tubercular chest

conditions who would be likely to benefit from three to six months' building-up, were to be included. The 30 children recommended were medically examined by a School Medical Officer, Mantoux tested and the 11 negative reactors each received B.C.G. vaccine. Subsequently, however, intimation was received that only 16 beds were available to children from Glasgow; the reduction in the numbers being necessary to enable the Anglo-Danish Society to keep within their budget for the year. Progress reports were promised from time to time by the Society.

Mass Miniature Radiography.

The School Health Service continued to arrange with the Mass Miniature Radiography Centre at Elmbank Street for the X-ray of pupils attending Glasgow schools. In the course of the year, pupils to the number of 8,623 (4,415 boys and 4,208 girls) were examined. Details of the abnormalities found and particulars of the action taken are shown in the following table :—

ABNORMALITIES FOUND AND ACTION TAKEN BY MASS RADIOGRAPHY UNIT.

	No action (miniature film only)		No action after investigation		Referred to own doctor		Referred to dispensary		Still under observation by M.M.R. Unit		Sent to Hospital		Total number examined (and rate per thousand)		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Totals
PULMONARY TUBERCULOSIS—															
<i>Re-infection or adult type—</i>															
Active ...	—	—	—	10	4	10	3	2	1	1	—	1	8	14	22
Inactive ...	—	—	2	7	11	7	1	1	—	—	—	—	15	9	24
Previously known ...	1	2	2	1	—	1	—	—	1	1	—	—	4	7	11
First Infection—															
Active Primary ...	—	—	—	1	3	1	—	—	—	—	—	—	3	1	4
Other Primary ...	96	94	12	6	7	6	—	—	4	1	—	—	119	123	242
OTHER PULMONARY ABNORMALITIES—															
Pulmonary fibrosis ...	1	2	2	—	—	—	—	—	—	2	—	—	3	4	7
Pleural abnormality ...	24	26	2	1	—	—	—	—	1	1	—	—	27	28	55
Bronchiectasis ...	—	—	—	1	—	1	—	—	1	—	—	—	1	1	2
Unspecified atelectasis ...	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1
CARDIAC DISEASE—															
Congenital ...	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1
Acquired ...	—	1	2	3	1	3	—	—	—	—	—	—	3	10	13
ALL OTHER ABNORMALITIES—															
Scoliosis, cervical ribs, etc.	55	75	5	1	—	1	—	—	—	—	—	—	60	79	139
Totals ...	177	200	27	36	26	32	4	3	9	6	—	1	243	278	521

Teachers' Sick Pay Regulations.

During the period 27.9.55 to 8.6.56, teachers to the number of 4,872 (1,943 males and 2,929 females) were X-rayed, out of a total of 6,927 on the roll.

The numbers recalled for large film were 94 men and 92 women, the diagnoses being as shown :—

	Males.	Females.
Active Pulmonary Tuberculosis	6	6
Inactive Pulmonary Tuberculosis (including calcified or fibrotic conditions)	55	53
Pleural thickening or adhesions	15	5
Cardiac Hypertrophy	3	3
Bone Defects (ribs or spine)	—	1
Neoplasm	—	1
No Apparent Defect	15	23
Totals	94	92

Co-operation with Chest Clinics.

Co-operation was maintained with the various Consultant Chest Physicians attached to Hospital Board clinics.

APPENDIX IX.—MEDICAL SUPERVISION OF REMAND HOME.

See Report for 1954, page 103.

Arrangements were as before except that instead of Friday afternoon, Thursday afternoon was reserved for the routine inspection of every child in the Home.

During the year ended 31st July, 1956, 1,161 boys and 83 girls were admitted to the Home and during this period there were 3,098 medical examinations. Children found to be suffering from various ailments, were on the advice of the visiting School Medical Officer, disposed of as follows :—

Treated in the Home, 190 ; treated at clinic, 19 ; X-rayed, 3 ; removed to hospital, 3.

APPENDIX X.—DIPHTHERIA IMMUNISATION CAMPAIGN.

See Report for 1954, page 103.

In the Table below, details are provided showing (i) the numbers of injections administered in schools (as compiled from the returns of School Medical Officers) and (ii) the numbers recorded at the regular clinics. Comparative statistics are also given for each of the two previous years.

		At Schools.			At Clinics.		
		Under 5 years.	Over 5 years.	Totals.	Under 5 years.	Over 5 years.	Totals.
First Injections	1956	176	8,356	8,532	4,613	95	4,708
	1955	177	8,436	8,613	6,534	231	6,765
	1954	296	9,335	9,631	5,211	230	5,441
Final Injections (completed)	1956	128	7,373	7,501	4,755	375	5,130
	1955	142	7,155	7,297	5,641	684	6,325
	1954	229	8,234	8,463	4,723	607	5,330
Re-inforcing Doses	1956	85	20,151	20,236	107	296	403
	1955	117	19,228	19,345	127	404	531
	1954	71	21,694	21,765	131	344	475
Total number of Injections	1956	389	35,880	36,269	9,475	766	10,241
	1955	436	34,819	35,255	12,302	1,319	13,621
	1954	596	39,263	39,859	10,065	1,181	11,246

APPENDIX XI.—SPEECH THERAPY.

The following tables give details of the work over the period. Details of the cases treated in the Spastic Unit are given on page 29.

During the summer school vacation, selected physically handicapped children to the number of 18 (6 boys and 12 girls) were treated at home; treatments given amounted to 54.

(i) CASES OF SPEECH DEFECT TREATED IN SCHOOLS AND CLASSES FOR THE PHYSICALLY HANDICAPPED DURING THE YEAR ENDED 31ST JULY, 1956.

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls		
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls				
Stutter ...	—	5	3	86	48	—	1	—	—	2	—	—	—	1	1	2	1		
Dyslalia—																			
Multiple	4	13	5	159	36	—	2	—	—	—	1	—	—	—	—	9	2		
Simple	1	14	9	161	83	1	—	1	—	—	3	—	—	—	—	4	4		
Idioglossia	5	2	3	6	30	—	—	—	—	—	—	—	—	—	—	2	3		
Delayed Speech	2	1	2	33	62	—	—	—	—	—	—	—	—	—	1	1	1		
Cleft Palate	1	—	4	—	62	—	—	—	—	—	—	—	—	1	—	—	3		
Dysphonia	1	—	1	—	2	—	—	—	—	—	1	—	—	—	—	—	—		
Dysphasia	—	1	1	5	16	—	—	—	—	—	1	—	—	—	—	—	—		
Dysarthria	4	6	7	98	151	—	2	—	1	—	—	—	—	—	2	3	4		
Totals ...	18	42	35	548	490	4	5	1	3	3	6	1	1	12	2	21	18		
		77		1,038															

Home visits—24.

(ii) CASES OF SPEECH DEFECT (PUPILS IN ORDINARY SCHOOLS) TREATED DURING YEAR ENDED 31ST JULY, 1956.

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED										Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Stutter ...	50	125	35	1,353	306	24	7	19	8	1	—	6	1	22	7	53	12
Dyslalia—																	
Multiple	139	247	83	2,242	702	65	33	20	5	1	—	7	2	54	18	100	25
Simple	20	31	30	302	250	14	12	5	4	—	2	1	3	3	3	8	6
Idioglossia	10	32	18	343	146	9	3	2	3	—	—	2	1	4	3	15	8
Delayed Speech	28	16	10	137	111	2	1	2	—	—	—	—	1	6	5	6	3
Cleft Palate ...	9	7	14	70	116	—	2	—	2	—	—	2	1	2	4	3	5
Dysphonia ...	7	8	6	72	89	1	—	2	2	—	—	—	—	1	1	4	3
Dysphasia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysarthria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	263	466	196	4,519	1,720	115	58	50	24	2	2	18	9	92	41	189	62
		662		6,239													

Home visits—61; school visits—316.

APPENDIX XII.—AUDIOMETRIC SURVEYS.

See Report for 1954, page 108.

Replacement of the audiometrician who left the Service in the previous year had enabled the scheme to progress more satisfactorily and it was hoped that the leeway would be made up by the end of the calendar year 1956.

A summary of the work done by the audiometricians during the year ended 31st July, 1956, was as follows :—

	Survey No. VII (Born in 1946)			Survey No. VIII (Born in 1947)			(7) Totals
	(1) Routine (New cases)	(2) Non- Routine (New cases)	(3) Retests and Special cases	(4) Routine (New cases)	(5) Non- Routine (New cases)	(6) Retests and Special cases	
No. "sweep" tested in schools ...	4,902	27	—	9,407	28	—	14,364
No. pure-tone tested (Cols. 2 and 5 in- clude non-routine cases not "swept" but referred direct for pure-tone test- ing) ...	253	47	38	446	228	56	1,068
Referred to Otologist	168	28	—	207	166	—	567
Schools visited ...	64			117			181

MEDICAL EXAMINATION.

The following table shows the numbers of children summoned to clinic during the year for examination, the numbers who attended, a summary of the recommendations by the specialists and the classification of the cases according to the degree of deafness found at the first examination.

OTOLOGICAL EXAMINATIONS DURING YEAR ENDED 31ST JULY, 1956.

	Survey No. II		Survey No. III		Survey No. IV		Survey No. V		Survey No. VI		Survey No. VII		Survey No. VIII		Totals		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Totals
SUMMONSES—																	
First Examination	—	22	—	11	—	2	—	90	23	13	318	227	111	141	452	381	833
Re-examination	38	—	13	—	17	—	66	—	250	212	138	63	9	15	531	415	946
ATTENDANCES—																	
First Examination	—	14	—	9	—	1	—	53	15	9	221	165	80	111	316	285	601
Re-examination	26	—	9	—	11	—	48	—	169	135	101	50	6	7	370	269	639
Not examined	—	—	—	—	—	—	—	—	—	3	2	—	—	1	2	4	6
RECOMMENDATIONS—																	
Clinic treatment (Ear)	9	4	2	2	2	—	8	15	27	21	72	53	17	39	137	134	271
Clinic treatment (U.V.R., M.I., Dental)	—	—	—	—	—	—	—	1	2	1	3	1	1	—	6	3	9
Tonsils and adenoids operation	1	1	—	1	1	—	6	4	35	23	42	42	9	9	94	80	174
Audiogram	7	—	5	4	6	—	20	16	70	48	70	45	15	15	193	128	321
Specialist examination	—	—	—	—	—	—	—	—	1	—	11	3	4	3	16	6	22
X-ray examination	—	—	—	1	1	—	3	4	5	6	6	2	1	2	16	15	31
Hospital treatment	—	—	2	1	1	—	2	3	8	5	7	3	3	1	23	13	36
Hearing aid	—	—	—	—	—	—	1	—	6	5	6	4	1	2	14	11	25
Front seat in class	1	1	—	—	1	—	3	—	10	5	5	5	—	—	20	11	31
Lip-reading	1	—	—	—	1	—	3	—	5	2	2	1	—	—	12	3	15
Other recommendations	—	—	—	—	—	—	2	1	13	8	84	55	31	34	130	98	228
GRADINGS—First examination only—																	
Normal	—	—	—	—	—	—	—	—	14	7	191	146	76	102	281	255	536
1—for ordinary class	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	1	2
2A—for front seat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2B—for semi-deaf class	—	—	—	—	—	—	—	—	1	2	29	18	4	9	34	29	63
Not graded meantime	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	—	—	—	—	—	—	—	—	15	9	221	165	80	111	316	285	601

TREATMENT.

All cases recommended for clinic treatment were summoned in the usual manner to the local School Health Service clinic, given the prescribed treatment and subsequently referred back to the specialist. Operations and other forms of treatment and investigation were undertaken in conjunction with the various hospitals and special clinics—the results of some of these are given below.

Ear, Nose and Throat Operations.—Over the period, 102 children (56 boys and 46 girls) had tonsils and/or adenoids removed in one or other of the hospitals. A further 6 children were admitted to hospital for operative and other treatment of various ear, nose or throat conditions.

Audiograms. Audiograms totalling 329 (including retests) were completed during the Session at Florence Street Audiometric Clinic. The Hearing Aid Clinic of the Ear, Nose and Throat Hospital also tested or retested a further 12 cases.

Hearing Aids.—Children to the number of 25 (14 boys and 11 girls) were referred during the year to the Hearing Aid Clinic and 20 (12 boys and 8 girls) were supplied with instruments.

DISPOSAL.

In the course of the Session a number of cases were passed to the Education Department (Special Schools Section) for disposal in respect of their educational needs, most of them having been graded according to the degree of deafness. These cases are listed in the following Table under the various Audiometric Surveys.

	Survey Number.							Total
	II	III	IV	V	VI	VII	VIII	
Reason for disposal—								
Graded according to degree of deafness	16	5	3	19	68	283	139	533
Repeatedly failed to attend ...	3	2	—	2	9	28	6	50
Parent intimated private treatment being obtained	—	—	—	3	17	35	13	68
Over school age—referred to E.N. and T. hospital	8	—	—	—	—	—	—	8
Transferred to other local authorities, institutions, etc.	2	1	—	1	—	1	—	5
	29	8	3	25	94	347	158	664

APPENDIX XIII.—MORTALITY OF SCHOOL CHILDREN.

*Deaths During Year ended 31st July, 1956,
of Children Aged 5-15 Years.*

Cause of Death	5-10 years		10-15 years		All Ages		1956	1955	1954
	Boys	Girls	Boys	Girls	Boys	Girls	Totals	Totals	Totals
Tuberculosis—									
Respiratory ...	1	1	1	—	2	1	3	2	1
Meningeal ...	—	—	—	—	—	—	—	4	6
Abdominal ...	—	—	—	—	—	—	—	—	—
Others ...	—	—	—	—	—	—	—	1	—
Infectious Diseases—									
Diphtheria ...	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	1	1	—	—	1	1	2	1	2
Measles ...	—	—	—	—	—	—	—	1	—
Dysentery ...	—	—	—	—	—	—	—	—	—
Chickenpox ...	—	—	—	—	—	—	—	—	2
Others ...	—	—	1	—	1	—	1	1	2
Mental and Nervous Diseases—									
Epilepsy ...	2	1	—	—	2	1	3	1	3
Cerebral Diplegia ...	1	—	—	—	1	—	1	1	2
Meningitis (non-Meningococcal) ...	1	—	—	—	1	—	1	—	—
Others ...	1	3	1	2	2	5	7	8	5
Circulatory Diseases—									
Rheumatic Fever ...	—	—	1	1	1	1	2	2	2
Chronic Rheumatic Heart Disease ...	—	1	—	—	—	1	1	2	—
Other Heart Diseases	—	1	1	—	1	1	2	—	1
Other Circulatory Diseases ...	—	—	—	—	—	—	—	1	—
Respiratory Diseases—									
Influenza ...	—	—	2	—	2	—	2	—	—
Pneumonia ...	2	—	—	2	2	2	4	6	3
Bronchitis ...	—	—	1	—	1	—	1	3	—
Others ...	—	—	1	—	1	—	1	1	2
Digestive Diseases—									
Enteritis and Colitis	—	—	—	—	—	—	—	—	—
Appendicitis ...	—	2	1	—	1	2	3	3	5
Others ...	—	—	1	1	1	1	2	2	—
Violence—									
Road Traffic Accidents ...	7	3	5	—	12	3	15	20	21
Other Violent Causes	10	2	3	2	13	4	17	20	25
Other Diseases—									
Malignant Neoplasms	1	1	2	2	3	3	6	9	9
Benign and Unspecified Neoplasms ...	1	1	1	1	2	2	4	2	2
Diabetes Mellitus ...	—	—	—	—	—	—	—	1	—
Anaemias ...	—	—	—	—	—	—	—	—	1
Congenital Malformations ...	—	2	1	2	1	4	5	6	3
Nephritis and Nephrosis ...	1	—	2	—	3	—	3	5	—
All Other Causes ...	—	1	—	—	—	1	1	2	2
Totals ...	29	20	25	13	54	33	87	105	99

APPENDIX XIV.—SOCIAL GROUP AND MEDICAL REMEDIABILITY CLASS.

By analysing the information obtained at systematic medical inspection it is possible to show the comparative health conditions of children belonging to each of the so-called Social Groups. In the following table, therefore, the occupations of the parents have been arranged in five groups and related to the medical remediability classifications of Table III.

Numbers and Percentages of Children in Ordinary Schools Placed in Various Medical ("Remediability") Classes Arranged According to Social Group of Parent.

Social Group of Parent	1		2		3		4		5		Totals	
	Professional		Clerical		Skilled		Semi-Skilled		Labouring			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
I Children free from defects (other than clothing, cleanliness or minor dental defects)	456	76.5	5,224	72.0	10,436	65.6	10,977	64.3	6,250	58.7	33,343	64.8
II Children suffering only from slightly defective vision and/or oral sepsis	25	4.2	327	4.5	940	5.9	973	5.7	676	6.3	2,941	5.7
III Children suffering from temporary defects (other than in II)	61	10.2	903	12.4	2,274	14.3	2,619	15.4	2,003	18.8	7,860	15.3
IV Children suffering from curable or improvable defects	54	9.1	802	11.0	2,258	14.2	2,474	14.5	1,716	16.1	7,304	14.2
V Children suffering from defects not considered improvable	—	—	3	0.0	8	0.1	18	0.1	10	0.1	39	0.1
Total Numbers of Children Examined	596	100.0	7,259	100.0	15,916	100.0	17,061	100.0	10,655	100.0	51,487	100.0

Perusal of the statistics in the table reveals the following :—

- (1) The percentage of children free from defects (Class I) was greatest for Social Group I (Professional) and diminished progressively for each of the remaining groups.
- (2) Percentages in Classes III and IV increased consistently from Social Group I to V and almost so in Classes II and V.

APPENDIX XV.—*HOUSING CONDITIONS OF GLASGOW SCHOOL CHILDREN.*

It had been the practice, at varying intervals since the year 1924, to incorporate in the Annual Report a survey of the housing conditions of the children seen at routine medical inspection during the school year selected. The School Medical Officer had noted the size of house and the total number of inmates, such information providing the basis for demonstrating a relationship between the health of the school child and the housing conditions.

The scope of the inquiry was widened, in the period under review, by the inclusion of more specific and detailed items of information, the requirements being as follows :—

- (1) Number of apartments occupied by the family.
- (2) Type of family, i.e., tenant, landlord or lodger with the following definitions :—

Tenant : family occupying every room in the house.

Landlord : family which tenanted house but let off a room.

Lodger : family which lived in sub-let accommodation.

Institution : living in institution or with no fixed abode.

- (3) Number of inmates over and under ten years of age.
- (4) Only the exact amount of accommodation used by the family was to be stated—e.g., in a three-apartment house :
 - (a) where family was tenant, the number of apartments would be 3 ; and
 - (b) where the family let one room, the accommodation for the landlord's family would be 2 apartments and for the lodger family living in the sub-let room the number of apartments would be 1.

The statistical matter has been arranged in the following pages to show comparison, where possible, with similar data obtained in previous surveys (including information from a Report by Sir Leslie Mackenzie in 1906). Some of the Tables employed before have, therefore, been retained but others have been discontinued and new ones created to present the additional information emanating from the 1956 inquiry. Much space would be required to give all the possible correlations between housing, average measurements and medical classification, but

the Tables which have been chosen for publication are considered to be fairly representative and, where applicable, indicate the trend over a period of up to 45 years (50 years for average measurements).

When studying the figures relating to housing, it should be clearly understood that the housing conditions apply only to the scholars examined and not to housing in the City as a whole. For instance, details are not available regarding houses with no children or with none belonging to any of the age-groups inspected. Nevertheless, in proportion to the number of occupied houses of the various sizes as reported by the City Assessor at Whitsun 1956, the percentage of houses of each size represented in the school children survey is almost similar as can be seen below.

	No. of Occupied Houses in City. (per City Assessor's Returns.)	No. of Houses in School Children Survey.
1 apartment ...	33,260 (10.4%)	2,942 (6.6%)
2 apartments ...	105,713 (32.9%)	13,530 (30.2%)
3 apartments ...	98,367 (30.6%)	13,165 (29.4%)
4 apartments ...	58,954 (18.3%)	11,442 (25.6%)
5+ apartments ...	25,074 (7.8%)	3,694 (8.3%)
	<u>321,368</u>	<u>44,773</u>

Where any discrepancies are observed between the comparable numbers of children in this Appendix and in an earlier part of the Report, and between the different Tables in the Appendix itself, these are due to the fact that the information for each child was not always complete.

The following are brief notes and explanations in connection with the various Tables.

Table A.1.—The number of children examined was not necessarily equalled by the number of houses because children in the same household might, in a few instances, have been examined during the period in the same age-group (twins) or other age-groups (brothers and sisters of different ages.) Moreover, the total number of rooms was actually more than that shown in column C, since houses of more than five apartments were taken as five-apartment houses for the purposes of the Table. The information given in this Table forms the basis for the analyses of Tables A.2 and A.3.

Table A. 2.—The movement of the population from the smaller to the larger houses was clearly shown. Most consistent and remarkable improvements were in respect of people living in two-apartment and

four-apartment houses; in the former, the percentage of 65.9 in 1912 improved to 30.2 in 1956, whilst in the latter, the improvement in the same period was from 3.6 per cent. to 25.6 per cent. Another notable feature was the quite considerable drop in the number of one-apartment houses from 11.3 per cent. in 1912 to 6.6 per cent. in 1956.

Table A.3.—The overall average number of inmates per house, down 0.1 per cent. from the 1951 total, could be regarded as satisfactory. It equalled the best in the series, the 1944 figure (5.4) which was, of course, abnormally low as the result of war-time diminution of households. Improvement was greatest in the larger houses. Analysis of the figures revealed, however, that the improvement did not apply in the case of houses occupied by the 5 year-olds inspected, who showed reduced averages only in three and five-apartment houses, no change since 1951 as regards those in the two and four-apartment houses, whilst those in one-apartment houses rose to the highest average since the survey of 1931.

Table A.4.—This new Table was created to make use of the additional information, collected for the first time in 1956, and relates to *all* children seen at routine medical inspection—with the exception of those in the "Institution" group (totalling 110), the findings in connection with which have been omitted for obvious reasons. It will be noted that the average number of inmates was greatest in houses of two apartments upwards occupied by the "Lodger" type of family. In one-apartment houses, the "Tenant" type of occupancy averaged the largest number of inmates; except in the case of "non-transferred" pupils, where the "Landlord" family was the largest—a curious anomaly where the occupier apparently chose avoidable discomfort! With regard to the age-distribution of the inmates, the numbers over ten years of age increased consistently with each additional apartment, whilst those under ten decreased progressively for two and three-apartment houses but rose slightly at four apartments and levelled out there.

Table B.I.—The consistent increase in the average measurements with each additional apartment is notable—the exceptions being limited to the children in four-apartment houses where a probable explanation is that there *was* an improvement but it was obscured by reason of the large numbers of children removing from the smaller houses. In this connection, it will be noted (see above remarks regarding Table A.2) that, over the years, the four-apartment house had increased more rapidly than any other size of house. The average measurements

also showed consistent increase from year to year since 1906, with minor exceptions.

Table B.2.—The number of inmates per house is shown in the Table as the equivalent in adults ; i.e., each person aged ten years and over = 1 and each under ten years = $\frac{1}{2}$. Perusal of the statistics shows that the general tendency, with some exceptions, was for the average measurements of 5 year-old boys to fall with each increase in the number of inmates, and to rise with each increase in the number of apartments. Exceptions to the rule were found mostly where houses were comparatively few (i.e., in the extremes of bad overcrowding and scanty occupation) and in the peculiar case of children in four-apartment houses which has already been discussed above.

Table B.3.—This new Table was devised in an attempt to analyse further the relationship between the average measurements and housing conditions. However, the subdivision of the information into "tenant," "landlord" and "lodger" proved too exacting because of the small numbers of houses in the second and third groups, and comparison between groups was thus without value. However, for the "tenant" group in each of the selected ages, the decrease in average measurement with each increase in the number of inmates was fairly general.

Table B.4.—This new Table gives a summary of the average measurements relating to the type of occupancy and the size of house but, as also mentioned in connection with Table B.3, the results under the categories of "landlord" and "lodger" were inconclusive, but fairly consistent for the "tenant" type. Only in the four-apartment houses were exceptions found to the trend of increased average measurement with each increase of apartment.

Table C.1.—The correlation of the child's medical classification with the size of house was demonstrated clearly in this Table. With each increase in the number of apartments, the children in these houses tended to have decreased percentages of the "temporary" and less remediable defects and, conversely, increased percentages as regards freedom from defect or with minor defects only.

Table C.2.—The standards of occupancy for assessment of overcrowding adopted for the purposes of this Table and Table B.2 were based on the Housing Acts and were as follows :—Not overcrowded : 1 apt.—2 adults ; 2 apts.—3 adults ; 3 apts.—5 adults ; 4 apts.— $7\frac{1}{2}$ adults ; 5 apts.—10 adults. Children under ten years of age were

each taken as $\frac{1}{2}$ adult, two of such children being regarded as the equivalent of one adult.

Medical classification and the degree of "overcrowding" were shown to be correlated and remarkably so, in each of the types of occupancy. That is, each increase in overcrowded home conditions was accompanied by increased incidence of the less remediable types of ailment in the children drawn from such homes. All of the few exceptions to the rule were found in the "much overcrowded" category and mainly under the "landlord" type of occupancy. In the latter connection, it seemed strange that at least 11 per cent. of the overcrowding appeared to be avoidable. (See also note on Table A.4.)

SUMMARY.

The housing conditions of Glasgow school children over the past forty-five years had shown considerable improvement as evidenced by the progressive movement of families from smaller to larger houses (Table A.2.); the rise of the four-apartment house and the fall of the "single-end" were notable. The average number of inmates per house was also reduced (Table A.3) although there was need for greater improvement in respect of the occupancy of the one-apartment house. An unsatisfactory feature, however, was that the "lodger" type of occupancy (i.e., the sub-let accommodation) provided the largest number of inmates, on an average (Table A.4).

Average heights and weights of children from all sizes of house had shown consistent increase since 1906 (Table B.1) and the close connection between the average measurements of the children and the conditions in which they lived were clearly indicated (Tables B.2, B.3 and B.4). Medical classification of the children according to severity of defect was seen to be linked with the size of house (Table C.1) and the degree of overcrowding (Table C.2).

Selected charts to illustrate some of the points discussed will be found in the following pages.

APPENDIX XV.—Table A.1.—SUMMARY OF HOUSING INFORMATION PROVIDED BY PARENTS OF CHILDREN OF 5, 9 AND 13 YEARS OF AGE AT THE TIME OF ROUTINE MEDICAL INSPECTION IN 1956.

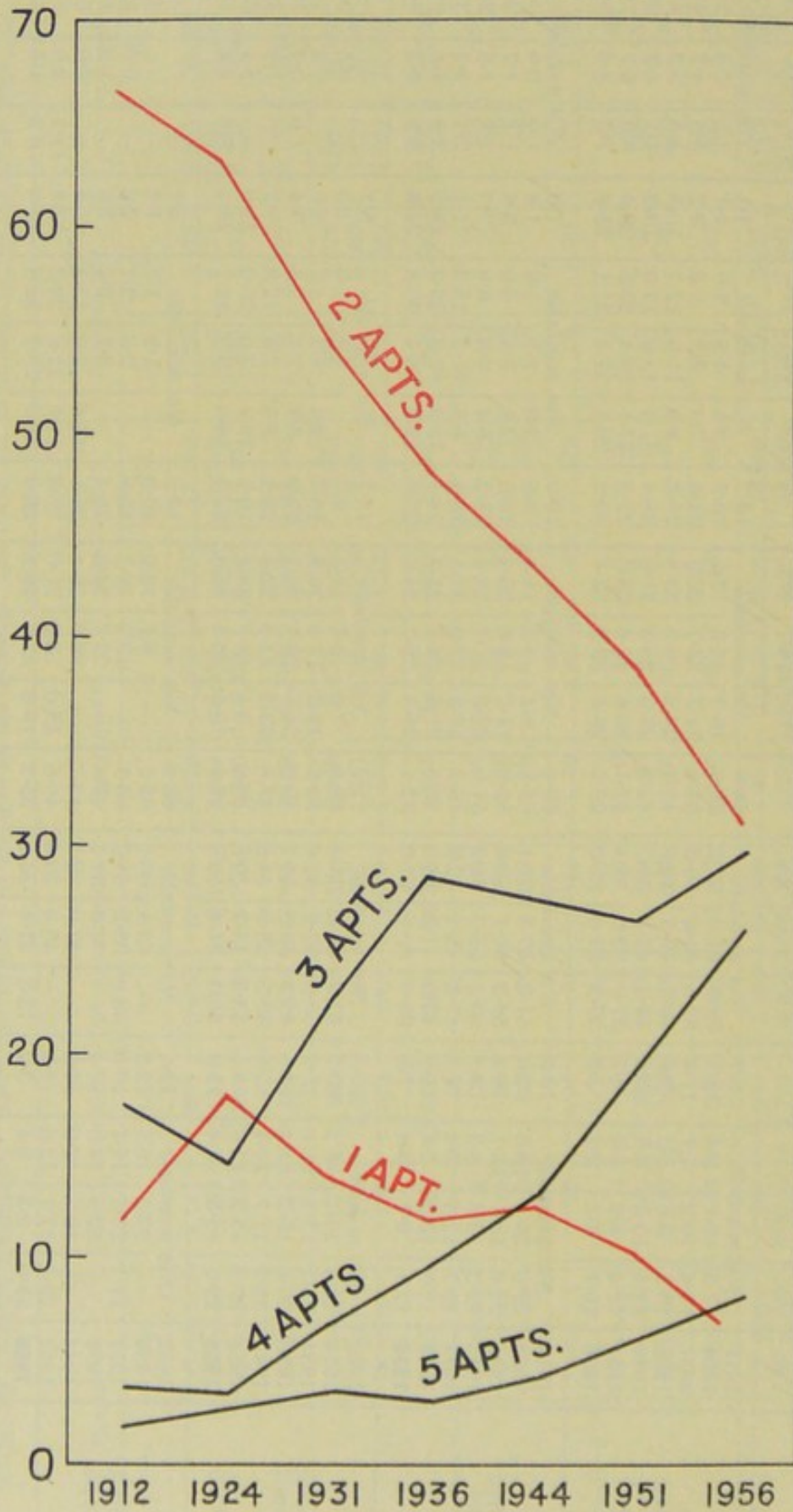
School or Class.	Age.	One Apartment.		Two Apartments.		Three Apartments.		Four Apartments.		Five or more Apartments.		Totals.		
		A	B	A	B	A	B	A	B	A	B	A	B	C
Non-Transferred	5 years	1,111	5,295	3,866	18,952	2,946	14,518	2,272	13,193	786	4,422	10,981	56,380	31,228
	9 years	433	2,105	2,870	14,104	3,354	15,911	2,818	15,749	916	5,171	10,391	53,040	32,795
	13 years	233	1,093	2,058	9,779	2,830	13,354	2,717	15,121	899	5,134	8,737	44,481	28,834
	Total ...	1,777	8,493	8,794	42,835	9,130	43,783	7,807	44,063	2,601	14,727	30,109	153,901	92,857
Transferred	5 years	673	3,402	2,058	11,328	1,448	8,273	1,069	7,356	332	2,526	5,580	32,885	15,219
	9 years	269	1,419	1,340	7,487	1,261	7,073	1,158	7,696	361	2,665	4,389	26,340	13,370
	13 years	155	872	1,081	5,910	1,135	6,189	1,226	7,801	367	2,642	3,964	23,414	12,599
	Total ...	1,097	5,693	4,479	24,725	3,844	21,535	3,453	22,853	1,060	7,833	13,933	82,639	41,188
For Physically Handicapped	5 years	5	26	10	68	4	15	4	25	2	17	25	151	63
	9 years	14	75	31	164	21	97	21	172	3	16	90	524	240
	13 years	3	8	19	112	15	85	18	129	1	6	56	340	163
	Total ...	22	109	60	344	40	197	43	326	6	39	171	1,015	466
For Mentally Handicapped	5 years	4	18	3	20	3	13	5	29	1	6	16	86	45
	9 years	23	118	92	559	63	359	57	410	11	85	246	1,531	680
	13 years	19	104	102	597	85	485	77	530	15	122	298	1,838	865
	Total ...	46	240	197	1,176	151	857	139	969	27	213	560	3,455	1,590
All Schools and Classes	5 years	1,793	8,741	5,937	30,368	4,401	22,819	3,350	20,603	1,121	6,971	16,602	89,502	46,555
	9 years	739	3,717	4,333	22,314	4,699	23,440	4,054	24,027	1,291	7,937	15,116	81,435	47,085
	13 years	410	2,077	3,260	16,398	4,065	20,113	4,038	23,581	1,282	7,904	13,055	70,073	42,461
	Total ...	2,942	14,535	13,530	69,080	13,165	66,372	11,442	68,211	3,694	22,812	44,773	241,010	136,101

For percentages of children represented by the above figures and average number of inmates per house, see Tables A.2 and A.3.

APPENDIX XV.—Table A.2.—ANALYSIS OF HOUSING INFORMATION PROVIDED BY PAKENIS AT THE TIME OF ROUTINE MEDICAL INSPECTION IN EACH OF THE YEARS, 1912, 1924, 1931, 1936, 1944, 1951 and 1956. PERCENTAGES OF CHILDREN IN THE VARIOUS GROUPS DRAWN FROM HOUSES OF THE NUMBER OF APARTMENTS SHOWN.

School or Class.	Year	One Apartment.				Two Apartments.				Three Apartments.				Four Apartments.				Five (or more) Apts.			
		5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total
Non-Transferred	1912	Not available	Not available	Not available	9.7	Not available	Not available	Not available	64.9	Not available	Not available	Not available	18.7	Not available	Not available	Not available	4.1	Not available	Not available	Not available	2.6
	1924	17.5	14.1	9.4	15.3	58.9	61.9	67.2	61.0	16.3	16.5	17.1	16.5	3.9	4.5	3.9	4.1	3.5	2.9	2.5	3.2
	1931	15.4	10.2	7.1	11.4	52.0	51.2	50.8	51.4	21.7	25.7	27.6	24.6	7.3	8.3	9.8	8.2	3.6	4.7	4.8	4.3
	1936	15.2	8.6	5.2	9.8	46.7	46.5	43.8	45.7	26.2	30.0	33.5	29.8	8.9	11.0	12.7	10.8	3.0	3.9	4.8	3.9
	1944	14.5	10.5	6.3	10.8	44.2	43.1	38.7	42.2	25.9	28.3	31.9	28.4	11.4	13.9	17.0	13.8	4.1	4.2	6.1	4.7
	1951	12.4	8.0	4.8	8.7	37.9	38.0	35.4	37.1	26.5	27.8	28.3	27.5	17.1	19.4	23.8	20.0	6.0	6.7	7.7	6.8
1956	10.1	4.2	2.7	5.9	35.2	27.6	23.5	29.2	26.8	32.3	32.4	30.3	20.7	27.1	31.1	25.9	7.2	8.8	10.3	8.7	
Transferred	1912	Not available	Not available	Not available	16.9	Not available	Not available	Not available	69.6	Not available	Not available	Not available	10.9	Not available	Not available	Not available	1.8	Not available	Not available	Not available	0.5
	1924	27.0	20.1	15.5	22.0	61.6	67.5	71.1	65.8	8.4	9.8	11.4	9.6	2.0	1.7	1.6	1.8	1.0	0.9	0.4	0.9
	1931	22.6	18.1	12.1	18.3	59.3	60.1	60.6	59.9	14.2	16.6	20.3	16.6	2.8	3.4	5.0	3.6	1.1	1.7	2.0	1.5
	1936	19.2	13.3	8.5	13.9	50.2	53.7	51.9	51.9	22.8	24.7	28.4	25.2	6.4	6.8	8.9	7.3	1.5	1.5	2.3	1.7
	1944	19.7	12.3	7.4	14.1	47.2	45.1	42.2	45.2	22.3	27.9	31.1	26.4	8.3	11.3	15.3	11.1	2.4	3.3	3.9	3.1
	1951	17.3	10.3	7.4	11.9	42.0	41.2	36.8	40.0	21.6	25.5	25.7	24.1	15.3	17.2	23.3	18.5	3.9	5.8	6.8	5.4
1956	12.1	6.1	3.9	7.9	36.9	30.5	27.3	32.1	25.9	28.7	28.6	27.6	19.2	26.4	30.9	24.8	5.9	8.3	9.3	7.6	
For Physically Handicapped	1912	Not available	Not available	Not available	12.5	Not available	Not available	Not available	71.7	Not available	Not available	Not available	15.1	Not available	Not available	Not available	0.7	Not available	Not available	Not available	—
	1924	24.3	22.1	15.2	20.7	67.9	66.2	71.4	68.3	7.9	9.2	12.1	9.7	—	1.9	1.0	1.0	—	0.6	0.3	0.3
	1931	18.1	17.4	11.1	15.9	60.6	57.9	62.6	59.5	18.9	19.4	20.5	19.6	2.4	4.2	4.7	4.0	—	1.2	1.1	0.9
	1936	20.6	15.2	11.4	14.6	45.1	50.3	50.7	49.8	24.5	26.7	29.1	27.2	8.8	7.1	7.5	7.4	1.0	0.7	1.3	0.9
	1944	35.0	11.7	14.4	16.4	37.5	55.3	44.8	47.8	22.5	23.3	22.4	22.8	5.0	7.8	12.8	9.7	—	1.9	5.6	3.4
	1951	27.3	15.2	12.8	15.4	45.5	43.7	30.8	38.6	9.1	18.7	23.4	19.7	18.2	17.0	26.6	21.0	—	5.4	6.4	5.3
1956	20.0	15.6	5.4	12.9	40.0	34.4	33.9	35.1	16.0	23.3	26.8	23.4	16.0	23.3	32.1	25.1	8.0	3.4	1.8	3.5	
For Mentally Handicapped	1912	Not available	Not available	Not available	19.1	Not available	Not available	Not available	63.8	Not available	Not available	Not available	14.9	Not available	Not available	Not available	2.1	Not available	Not available	Not available	—
	1924	—	27.3	18.5	22.2	—	63.4	66.0	65.1	—	8.1	13.0	10.8	—	1.2	1.7	1.4	—	—	0.8	0.5
	1931	11.1	20.5	15.4	18.0	88.9	63.2	61.7	63.1	—	13.2	19.7	15.8	—	2.3	2.1	2.2	—	0.9	1.1	1.0
	1936	—	22.5	14.0	17.4	—	41.6	51.3	47.4	—	28.7	24.8	26.4	—	6.2	8.9	7.8	—	1.0	1.0	1.0
	1944	—	18.0	12.9	14.6	—	47.0	42.3	43.7	—	26.0	29.4	28.1	100.0	7.0	13.4	11.5	—	2.0	2.1	2.0
	1951	22.2	17.1	12.6	14.2	—	46.9	38.6	40.6	55.6	18.3	21.0	20.8	11.1	12.8	20.2	17.7	11.1	4.9	7.6	6.8
1956	25.0	9.3	6.4	8.2	18.8	37.4	34.2	35.2	18.8	25.6	28.5	26.9	31.3	23.2	25.8	24.8	6.3	4.5	5.1	4.9	
All Schools and Classes	1912	Not available	Not available	Not available	11.3	Not available	Not available	Not available	65.9	Not available	Not available	Not available	17.3	Not available	Not available	Not available	3.6	Not available	Not available	Not available	1.9
	1924	19.8	15.9	12.8	17.2	59.6	63.3	68.6	62.4	14.3	14.6	14.3	14.5	3.4	3.7	2.8	3.4	2.9	2.4	1.5	2.5
	1931	17.4	12.4	8.6	13.3	54.1	53.7	53.8	53.9	19.6	23.2	25.3	22.4	6.0	6.9	8.3	6.9	2.9	3.8	3.9	3.5
	1936	16.3	10.1	6.4	11.1	47.7	48.4	46.2	47.5	25.2	28.6	31.9	28.5	8.2	9.7	11.5	9.8	2.6	3.1	4.0	3.2
	1944	16.1	11.1	6.8	11.8	45.1	43.9	39.7	43.1	24.8	28.1	31.5	27.8	10.4	13.0	16.5	13.0	3.6	3.9	5.5	4.2
	1951	13.8	8.9	5.8	9.7	39.1	39.1	35.9	38.0	25.1	26.9	27.3	26.4	16.6	18.6	23.5	19.5	5.4	6.4	7.4	6.4
1956	10.8	4.9	3.3	6.6	35.8	28.7	25.0	30.2	26.5	31.1	31.3	29.4	20.1	26.8	30.6	25.6	6.8	8.5	9.8	8.2	

APPENDIX XV.—Fig. 1 (From Table A.2)—*COMPARATIVE PERCENTAGES OF CHILDREN IN ALL SCHOOLS AND CLASSES DRAWN FROM HOUSES OF THE NUMBER OF APARTMENTS SHOWN.*

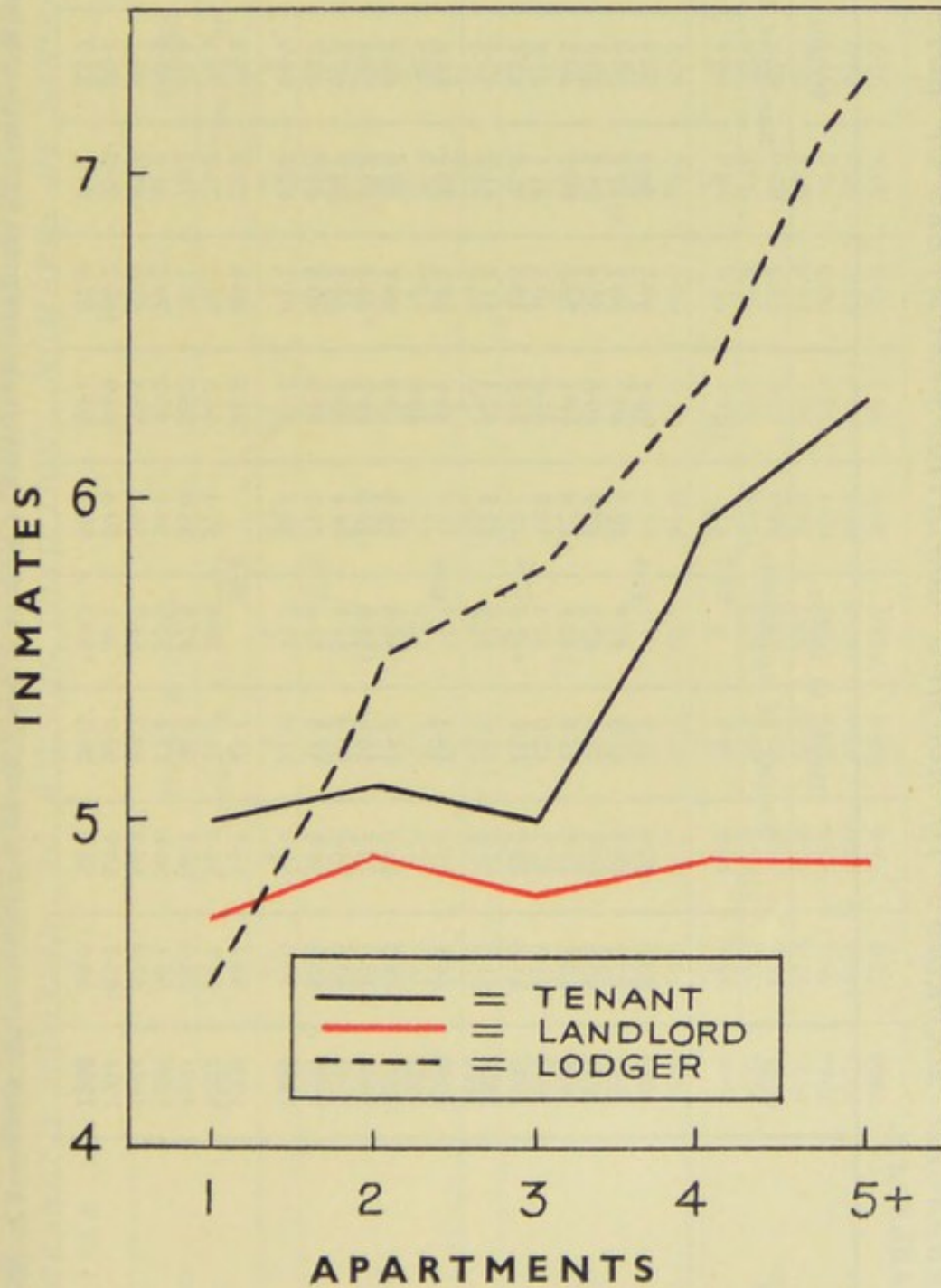


APPENDIX XV.—Table A.4.—SUMMARY OF HOUSING INFORMATION PROVIDED BY PARENTS AT THE TIME OF ROUTINE MEDICAL INSPECTION IN 1956.

TYPE OF OCCUPANCY, SIZE OF HOUSE, AND AVERAGE NUMBER OF INMATES OVER AND UNDER 10 YEARS OF AGE.

School or Class	Type of Occupancy	One Apartment.		Two Apartments.		Three Apartments.		Four Apartments.		Five or more Apartments.		Totals.		No. of Pupils Examined and Percentage of Total		
		Inmates.		Inmates.		Inmates.		Inmates.		Inmates.		Inmates.				
		+10	-10	+10	-10	+10	-10	+10	-10	+10	-10	+10	-10		Total	
Non-Transferred	Tenant	2.4	2.4	2.8	2.1	4.9	4.7	4.7	5.6	5.6	5.8	2.0	3.1	2.0	5.1	33,138 (94.1)
	Landlord	2.4	2.5	4.9	2.1	4.6	4.7	4.7	4.7	4.7	4.7	1.7	2.9	1.8	4.7	1,309 (3.7)
	Lodger	2.0	2.4	2.8	2.4	5.2	5.5	5.5	6.1	6.1	6.9	2.1	3.2	2.2	5.4	787 (2.2)
	Total	2.4	2.4	4.8	2.1	4.9	4.7	4.7	5.6	5.6	5.5	1.9	3.1	2.0	5.1	35,234 (100.0)
Transferred	Tenant	2.6	2.7	5.3	2.6	5.5	5.6	5.6	6.6	6.6	7.4	2.8	4.6	2.8	5.9	15,518 (95.7)
	Landlord	2.4	2.2	4.6	2.4	5.2	5.2	5.2	5.7	5.7	6.1	2.3	3.8	2.4	5.6	332 (2.1)
	Lodger	2.1	2.4	4.5	2.7	5.9	6.6	6.6	7.3	7.3	8.2	2.6	5.6	2.7	6.0	356 (2.2)
	Total	2.5	2.7	5.2	2.6	5.5	5.6	5.6	6.6	6.6	7.3	2.8	4.5	2.8	5.9	16,206 (100.0)
For Physically Handicapped	Tenant	2.3	3.0	3.4	2.2	5.6	5.1	5.1	7.1	7.1	7.5	2.7	3.5	2.4	5.9	257 (94.8)
	Landlord	—	—	4.0	1.0	5.0	4.0	4.0	4.0	4.0	—	—	—	3.7	0.7	3 (1.1)
	Lodger	3.2	1.6	4.8	3.8	4.8	3.0	3.0	—	—	—	—	3.3	1.4	4.6	11 (4.1)
	Total	2.5	2.8	5.3	3.4	5.5	5.0	5.0	7.1	7.1	7.5	2.7	4.8	2.4	5.9	271 (100.0)
For Mentally Handicapped	Tenant	3.3	1.9	5.2	2.0	5.9	5.6	5.6	6.9	6.9	7.7	2.4	5.4	2.1	6.1	733 (98.1)
	Landlord	2.0	—	2.0	1.0	6.0	—	—	6.0	6.0	—	—	—	4.0	0.7	3 (0.4)
	Lodger	2.2	2.0	4.2	3.0	3.8	—	—	8.0	8.0	—	—	2.9	1.5	4.4	11 (1.5)
	Total	3.2	1.9	5.1	3.9	5.9	5.6	5.6	6.9	6.9	7.7	2.4	5.4	2.1	6.1	747 (100.0)
All Schools and Classes	Tenant	2.5	2.5	5.0	2.8	5.1	5.0	5.0	5.9	5.9	6.3	2.3	4.0	2.2	5.4	49,646 (94.6)
	Landlord	2.4	2.3	4.7	2.5	4.9	4.8	4.8	4.9	4.9	4.9	1.8	3.1	1.9	4.9	1,647 (3.1)
	Lodger	2.1	2.4	4.5	3.0	5.5	5.8	5.8	6.4	6.4	7.3	2.3	5.0	2.4	5.6	1,165 (2.2)
	Total	2.4	2.5	4.9	2.8	5.1	5.0	5.0	5.9	5.9	6.0	2.2	3.9	2.2	5.4	52,458 (100.0)

APPENDIX XV.—Fig. 2 (From Table A.4)—*AVERAGE NUMBER OF ALL INMATES ARRANGED ACCORDING TO TYPE OF OCCUPANCY AND NUMBER OF APARTMENTS.*



**APPENDIX XV.—Table B.1.—AVERAGE HEIGHTS AND WEIGHTS OF BOYS IN ORDINARY SCHOOLS
ARRANGED ACCORDING TO HOUSING CONDITIONS—NUMBERS OF BOYS IN 1956 AS IN
TABLE A.1.**

Age.	Year.	Height in inches						Weight in lbs.					
		Number of Apartments.						Number of Apartments.					
		1	2	3	4	5+	All	1	2	3	4	5+	All
5 years	1906	39.0	39.9	40.7	41.4	41.4	40.1	37.2	38.6	39.5	40.1	38.7	
	1924	40.2	40.3	41.3	41.7	42.2	40.7	38.1	*†37.8	39.9	40.6	39.1	
	1931	40.3	40.7	41.6	42.3	42.7	40.9	38.4	39.1	40.3	41.5	39.5	
	1936	40.9	41.2	41.7	†42.1	†42.6	41.4	39.0	39.7	40.3	†41.1	39.9	
	1944	41.3	41.7	42.0	42.4	52.7	41.8	40.5	41.4	42.1	42.2	41.2	
	1951	41.6	42.2	42.7	*42.6	43.1	42.3	40.8	41.8	42.4	*42.3	41.9	
	1956	41.8	42.2	†42.6	42.6	43.2	42.4	41.2	41.9	42.5	42.8	43.8	42.3
9 years	1906	46.5	47.6	48.2	48.9	47.7	47.7	51.4	53.1	54.8	56.3	53.6	
	1924	—	—	—	—	—	49.0	—	—	—	—	56.1	
	1931	48.3	49.0	49.8	50.6	51.0	49.3	55.1	56.6	58.5	61.5	57.2	
	1936	49.0	49.5	50.0	†50.5	†50.8	49.7	56.5	57.4	58.5	61.1	58.0	
	1944	50.0	50.6	50.9	51.1	51.4	50.7	59.3	60.7	61.3	†59.6	60.9	
	1951	50.6	51.1	51.5	51.6	51.7	51.3	60.5	61.8	62.7	61.8	62.2	
	1956	50.6	†51.0	51.6	51.7	52.1	51.5	61.1	62.3	64.0	64.0	63.5	
13 years	1906	53.4	54.1	55.1	55.8	54.5	54.5	69.9	72.3	75.3	76.8	73.5	
	1924	54.1	54.4	55.7	56.5	57.4	54.5	72.2	73.2	78.1	79.2	74.9	
	1931	55.3	55.7	56.6	57.5	58.0	56.2	77.1	78.2	81.4	84.2	79.7	
	1936	56.1	56.8	57.4	57.9	59.1	57.2	79.2	81.6	83.6	85.7	82.9	
	1944	57.8	58.3	58.7	58.7	59.3	58.5	87.0	87.8	89.1	*89.0	88.6	
	1951	†57.7	58.7	59.0	59.1	59.5	58.9	†85.2	89.3	90.1	90.2	89.8	
	1956	58.0	58.7	59.3	*59.2	59.8	59.1	87.9	91.1	92.7	*91.7	92.0	

* Exceptional averages which contradict the general trend of increase in average measurements with increase in number of apartments.

† Exceptional averages which contradict the general trend of increase in average measurements from year to year.

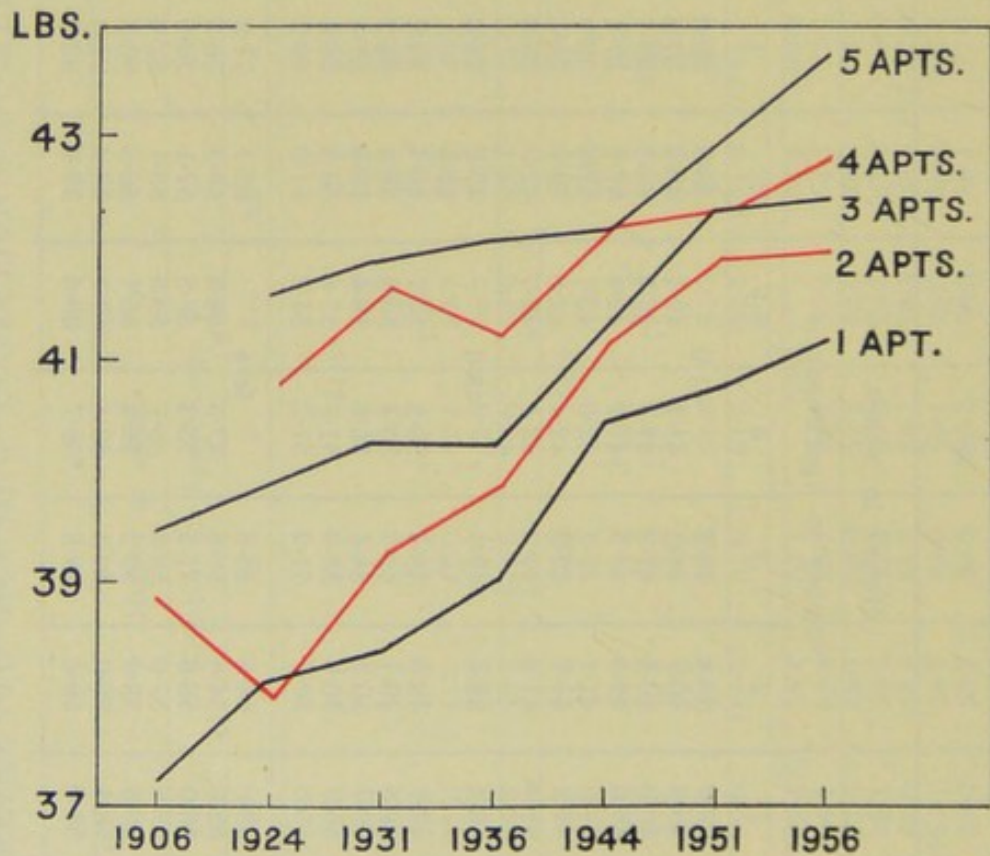
APPENDIX XV.—Table B.1.—AVERAGE HEIGHTS AND WEIGHTS OF GIRLS IN ORDINARY SCHOOLS ARRANGED ACCORDING TO HOUSING CONDITIONS—NUMBERS OF GIRLS IN 1956 AS IN TABLE A.1.

Age.	Year.	Height in inches.						Weight in lbs.					
		Number of Apartments.						Number of Apartments.					
		1	2	3	4	5+	All.	1	2	3	4	5+	All
5 years	1906	38.9	39.8	40.2	41.0	41.0	39.9	36.6	37.8	38.0	39.2	37.8	37.8
	1924	39.3	40.1	41.2	41.7	42.1	40.3	37.3	38.0	38.5	39.5	38.5	†37.4
	1931	40.0	40.5	41.3	41.9	42.4	40.7	†37.1	†37.8	38.8	40.0	38.8	38.1
	1936	40.6	41.0	41.3	†41.7	42.4	41.1	37.5	38.2	38.8	†39.4	†40.8	38.4
	1944	41.0	41.3	41.7	42.0	42.1	41.4	38.9	39.4	39.8	40.6	*†40.5	39.6
	1951	41.3	41.7	42.3	42.4	42.8	42.0	39.4	40.2	40.8	41.1	41.7	40.5
	1956	41.4	41.8	†42.2	42.4	†42.7	42.0	39.6	40.5	41.1	41.4	42.2	40.8
9 years	1906	46.2	46.9	47.7	48.6	48.6	47.2	49.6	51.4	52.8	54.7	51.9	51.9
	1924	—	—	—	—	—	47.9	—	—	—	—	53.3	53.3
	1931	48.1	48.8	49.5	50.2	50.7	49.1	53.2	54.5	56.0	57.6	55.1	55.1
	1936	48.6	49.1	49.7	50.1	50.8	49.4	54.2	55.3	56.4	†57.3	55.9	55.9
	1944	49.7	50.2	50.5	50.6	50.8	50.3	57.4	58.5	59.3	*58.9	60.8	58.8
	1951	50.0	50.6	51.0	51.1	51.6	50.8	58.8	59.8	60.6	60.9	62.0	60.3
	1956	50.0	50.7	51.2	51.2	51.8	51.0	60.2	62.0	62.7	*62.1	63.9	62.3
13 years	1906	53.9	54.8	55.5	56.4	56.4	55.1	71.9	73.9	76.3	79.3	75.1	75.1
	1924	55.2	*†54.6	56.5	57.3	*56.8	56.3	76.3	76.8	80.0	81.6	78.2	78.2
	1931	56.0	56.8	57.5	58.3	58.8	57.1	79.5	82.0	84.3	87.3	83.2	83.2
	1936	57.4	57.8	58.3	58.7	59.5	58.1	84.9	86.4	88.2	89.6	87.6	87.6
	1944	58.5	58.9	59.2	59.4	60.1	58.8	90.3	92.0	*91.1	93.3	96.5	92.4
	1951	†58.4	58.9	59.4	59.4	60.1	59.2	91.0	93.0	94.7	*94.4	97.2	94.0
	1956	58.6	59.4	59.8	*59.7	60.3	59.7	92.2	97.4	97.7	*96.6	99.7	97.3

* Exceptional averages which contradict the general trend of increase in average measurements with increase in number of apartments.

† Exceptional averages which contradict the general trend of increase in average measurements from year to year.

APPENDIX XV.—Fig. 3 (From Table B.1)—*AVERAGE WEIGHTS OF FIVE-YEAR-OLD BOYS IN HOUSES OF THE NUMBER OF APARTMENTS SHOWN AT VARIOUS TIMES OVER A PERIOD OF FIFTY YEARS.*

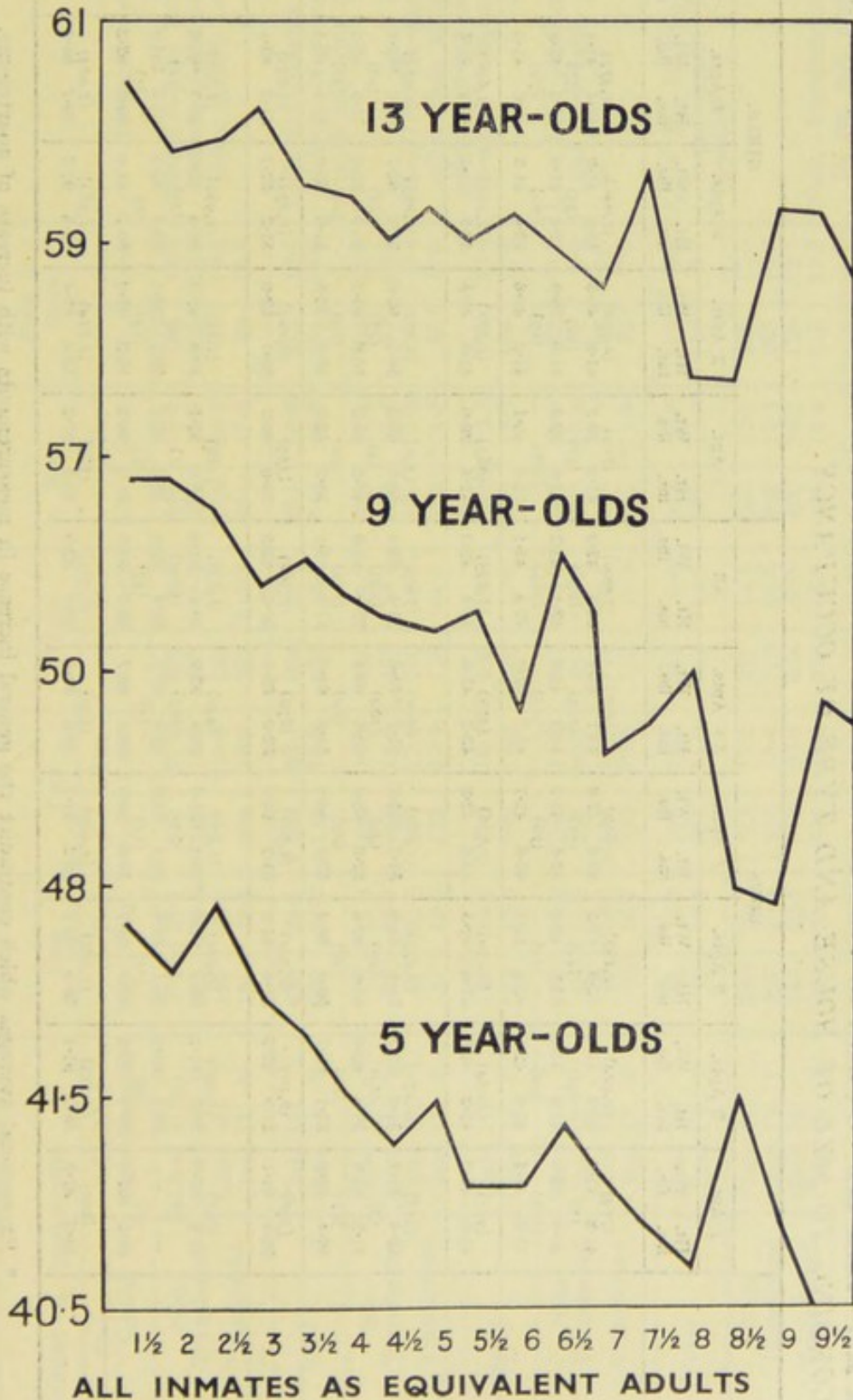


APPENDIX XV.—Table B.2.—AVERAGE MEASUREMENTS OF 8,545 BOYS OF 5 YEARS OF AGE ARRANGED ACCORDING TO NUMBERS OF APARTMENTS AND OF INMATES.

No. of Inmates per house (Equivalent Adults.)	One Apartment.			Two Apartments.			Three Apartments.			Four Apartments.			Five or more Apartments.		
	Children Examined.			Children Examined.			Children Examined.			Children Examined.			Children Examined.		
	No.	Ht. (ins.)	Wt. (lbs.)	No.	Ht. (ins.)	Wt. (lbs.)	No.	Ht. (ins.)	Wt. (lbs.)	No.	Ht. (ins.)	Wt. (lbs.)	No.	Ht. (ins.)	Wt. (lbs.)
1½	9	42.9	42.7	11	41.7	41.4	3	44.2	47.2	2	44.2	43.7	1	42.5	43.5
2	15	42.3	40.5	17	42.4	42.4	12	42.5	41.1	2	45.0	48.0	3	42.7	44.2
2½	126	42.3	41.9	336	42.8	43.2	203	43.3	43.9	70	43.6	44.5	24	44.2	46.8
3	283	42.0	41.7	910	42.5	42.2	566	43.0	43.1	221	43.5	44.1	121	43.9	45.1
3½	200	41.7	41.2	628	42.1	41.8	497	42.6	42.6	248	42.6	44.4	76	43.7	45.0
4	105	41.4	40.2	416	41.9	41.5	313	42.2	41.7	239	42.6	42.7	54	42.8	42.7
4½	64	41.0	39.6	254	41.9	41.6	221	42.2	41.7	230	42.7	42.9	56	43.4	44.2
5	44	41.6	41.3	170	41.9	41.5	143	42.4	42.2	179	42.5	41.8	40	43.2	43.5
5½	23	41.3	41.5	100	41.6	41.5	84	42.2	41.8	162	42.5	41.4	41	42.2	41.8
6	17	41.5	40.8	70	41.3	39.9	71	42.5	42.1	99	42.2	41.5	33	42.9	42.3
6½	16	39.1	42.1	49	41.7	41.0	53	42.0	41.6	81	42.4	41.4	29	43.2	43.5
7	4	42.4	42.6	37	41.9	42.1	36	41.8	41.2	64	41.9	41.2	25	42.9	42.8
7½	5	41.5	40.8	21	41.2	40.1	18	41.8	41.1	47	41.9	41.2	16	42.1	42.3
8	5	40.4	38.5	17	41.7	40.6	19	41.8	40.9	37	41.7	40.9	12	42.0	41.7
8½	1	44.0	45.5	7	41.7	40.4	7	42.9	42.5	21	42.3	41.9	8	42.6	42.2
9	2	40.5	39.0	6	41.6	41.7	4	42.6	43.6	14	42.5	42.2	8	42.1	41.0
9½	2	41.7	40.5	5	39.8	35.9	1	44.5	45.0	6	41.4	41.2	9	42.7	42.2
10+	—	—	—	—	—	—	8	42.2	42.0	14	41.7	41.1	19	42.9	43.7
Total ...	921	41.8	41.2	3,054	42.2	41.9	2,259	42.6	42.5	1,736	42.6	42.8	575	43.2	43.8

N.B.—For the purposes of Table C.2, the groups above the heavy lines are regarded as not overcrowded, those within the lines as moderately overcrowded, and those below the lines as much overcrowded.

APPENDIX XV.—Fig. 4 (From Table B.3)—*AVERAGE HEIGHTS OF GIRLS IN TWO-APARTMENT HOUSES OF THE "TENANT" TYPE OF OCCUPANCY ARRANGED AS TO NUMBERS OF INMATES OF ALL AGES.*



APPENDIX XV.—AVERAGE MEASUREMENTS OF CHILDREN IN ORDINARY SCHOOLS ARRANGED ACCORDING TO SIZE OF HOUSE AND TYPE OF OCCUPANCY.

	BOYS										GIRLS									
	1 Apt.	2 Apts.	3 Apts.	4 Apts.	5+ Apts.	All	1 Apt.	2 Apts.	3 Apts.	4 Apts.	5+ Apts.	All	1 Apt.	2 Apts.	3 Apts.	4 Apts.	5+ Apts.	All		
	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.	Ht. ins.	Wt. lbs.
5 year-olds—																				
Tenant ...	(794) 41-8	(2,924) 42-2	(2,136) 42-6	(1,609) 42-6	(437) 43-1	(7,900) 42-4	(729) 41-3	(2,752) 41-8	(2,040) 42-2	(1,477) 42-4	(433) 42-5	(7,431) 42-0	(863) 41-4	(2,871) 41-8	(2,255) 51-2	(2,040) 42-2	(1,477) 42-4	(433) 42-5	(8,016) 42-0	(7,431) 42-0
Landlord ...	(8) 40-6	(58) 41-9	(44) 42-8	(51) 43-5	(115) 43-8	(276) 43-1	(18) 41-6	(50) 41-9	(35) 42-4	(57) 43-2	(88) 43-4	(248) 42-8	(18) 41-6	(18) 41-9	(18) 50-9	(57) 43-2	(88) 43-4	(88) 43-4	(248) 42-8	(248) 42-2
Lodger ...	(119) 41-8	(72) 42-0	(79) 42-2	(76) 42-6	(23) 42-7	(369) 42-3	(116) 42-0	(69) 41-9	(60) 42-4	(72) 42-6	(20) 43-1	(337) 42-2	(116) 42-0	(69) 41-9	(60) 42-4	(72) 42-6	(20) 43-1	(20) 43-0	(337) 42-2	(337) 40-8
Total ...	(921) 41-8	(3,054) 42-2	(2,259) 42-6	(1,736) 42-6	(575) 43-2	(8,545) 42-4	(863) 41-4	(2,871) 41-8	(2,255) 51-2	(1,606) 42-4	(541) 42-7	(8,016) 42-0	(863) 41-4	(2,871) 41-8	(2,255) 51-2	(1,606) 42-4	(541) 42-7	(541) 42-2	(8,016) 42-0	(8,016) 40-8
9 year-olds—																				
Tenant ...	(318) 50-4	(2,070) 51-0	(2,273) 51-6	(1,869) 51-7	(502) 51-7	(7,032) 51-4	(330) 50-0	(2,072) 50-7	(2,255) 51-2	(1,975) 51-2	(529) 51-8	(7,161) 51-0	(330) 50-0	(2,072) 50-7	(1,869) 51-2	(1,869) 51-2	(502) 51-8	(529) 51-8	(8,016) 51-0	(7,161) 51-0
Landlord ...	(3) 51-2	(13) 51-8	(23) 51-0	(43) 52-8	(164) 53-1	(246) 52-8	(3) 47-9	(18) 50-9	(18) 50-9	(28) 51-5	(63) 52-4	(130) 51-7	(3) 47-9	(18) 50-9	(18) 50-9	(28) 51-5	(63) 52-4	(63) 52-4	(8,016) 51-0	(7,161) 51-0
Lodger ...	(27) 50-4	(22) 52-1	(26) 53-0	(29) 52-1	(10) 51-8	(114) 51-9	(22) 50-2	(14) 49-5	(20) 51-6	(32) 51-1	(9) 52-5	(97) 50-9	(27) 50-4	(22) 52-1	(20) 51-6	(32) 51-1	(9) 52-5	(9) 52-5	(97) 50-9	(97) 61-1
Total ...	(348) 50-4	(2,105) 51-0	(2,322) 51-6	(1,941) 51-7	(676) 52-0	(7,392) 51-5	(355) 50-0	(2,104) 50-7	(2,293) 51-2	(2,035) 51-2	(601) 51-8	(7,388) 51-0	(355) 50-0	(2,104) 50-7	(2,293) 51-2	(2,035) 51-2	(601) 51-8	(601) 51-8	(8,016) 51-0	(8,016) 62-3
13 year-olds—																				
Tenant ...	(193) 57-9	(1,508) 58-7	(1,942) 59-3	(1,955) 59-1	(440) 59-4	(6,038) 59-1	(186) 58-6	(1,591) 59-4	(1,962) 59-8	(1,807) 59-7	(594) 60-2	(6,230) 59-7	(186) 58-6	(1,591) 59-4	(1,962) 59-8	(1,807) 59-7	(594) 60-2	(594) 60-2	(7,388) 51-0	(6,230) 59-7
Landlord ...	(0) —	(8) 59-5	(28) 60-1	(63) 60-1	(205) 60-6	(304) 60-4	(1) 56-2	(9) 59-7	(13) 59-1	(12) 61-5	(20) 61-1	(55) 60-4	(0) —	(8) 59-5	(13) 59-1	(12) 61-5	(20) 61-1	(20) 61-1	(7,388) 51-0	(6,230) 59-7
Lodger ...	(7) 60-6	(9) 60-0	(11) 59-3	(11) 59-6	(5) 59-1	(43) 59-7	(2) 61-0	(14) 59-3	(8) 60-7	(5) 59-8	(2) 60-0	(31) 59-9	(7) 60-6	(9) 60-0	(8) 60-7	(5) 59-8	(2) 60-0	(2) 60-0	(97) 50-9	(97) 61-1
Total ...	(200) 58-0	(1,525) 58-7	(1,981) 59-3	(2,029) 59-2	(650) 59-8	(6,385) 59-1	(189) 58-6	(1,614) 59-4	(1,983) 59-8	(1,914) 59-7	(616) 60-3	(6,376) 59-7	(189) 58-6	(1,614) 59-4	(1,983) 59-8	(1,914) 59-7	(616) 60-3	(616) 60-3	(8,016) 51-0	(6,376) 59-7

* Exceptional averages which contradict the general increase in measurements with increase of apartments.
(Only indicated for "Tenant" group—see text.)

Note.—Numbers of children are given in parenthesis.

APPENDIX XV.—Table C.1.—NUMBERS AND PERCENTAGES OF CHILDREN IN ORDINARY SCHOOLS (SEE TABLE A.1.) PLACED IN VARIOUS MEDICAL ("REMEDIABILITY") CLASSES ARRANGED ACCORDING TO NUMBERS OF APARTMENTS IN THEIR HOUSES.

Age	Number of Apartments.		One		Two		Three		Four		Five or more.		MEDICAL CLASSIFICATION.
			No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	
5 years	Non-Transferred		274	24.7	843	21.8	621	21.1	446	19.6	148	18.9	Class I.—Free from defect or having defects of clothing, cleanliness and/or minor defects of teeth only.
	Transferred		228	20.5	716	18.5	535	18.2	353	15.5	105	13.4	
			156	23.1	526	*25.6	283	19.5	215	*20.1	65	19.6	
	Total		151	22.4	396	19.3	287	*19.8	191	17.9	49	14.8	
9 years	Non-Transferred		430	24.1	1,369	23.1	904	20.6	661	19.8	213	19.1	Class II.—Having one or more minor defects of vision and/or defects of teeth requiring treatment.
	Transferred		379	21.2	1,112	18.8	822	18.7	544	16.3	154	13.8	
			75	17.3	439	15.3	459	13.7	350	12.4	104	11.4	
	Total		73	16.9	418	14.6	450	13.4	350	12.4	97	10.6	
13 years	Non-Transferred		61	22.6	240	17.9	210	16.7	139	12.0	34	9.4	Class III.—Having one or more ailments other than above from which complete recovery is anticipated in a few weeks ("temporary" defects).
	Transferred		51	18.9	172	12.9	178	*14.1	165	*14.3	42	11.6	
			136	19.4	679	16.1	669	14.5	489	12.3	138	10.8	
	Total		124	17.6	590	14.0	628	13.6	515	13.0	139	10.9	
All ages	Non-Transferred		37	15.9	231	11.2	241	8.5	242	*8.9	83	*9.2	Class IV.—Having one or more defects less remediable than those specified in II or III.
	Transferred		26	11.2	221	10.7	334	*11.8	293	10.8	81	9.0	
			28	18.0	144	13.3	141	12.4	136	11.1	29	7.9	
	Total		26	16.7	130	12.0	113	10.0	142	*11.6	29	7.9	
All ages	Non-Transferred		65	16.7	375	12.0	382	9.6	378	9.6	112	8.9	Class V.—Having defects from which improvement is not considered possible.
	Transferred		52	13.4	351	11.2	447	*11.3	435	11.0	110	8.7	
			386	21.7	1,513	17.2	1,321	14.5	1,038	13.3	335	12.9	
	Total		327	18.4	1,355	15.4	1,319	14.5	996	12.8	283	10.9	
All ages	Non-Transferred		245	22.3	910	20.3	634	16.5	490	14.2	128	12.1	Note.—Percentages for Classes I and II are not given as they are the balance of 100% after deducting the percentages shown.
	Transferred		228	20.7	698	15.6	578	15.0	498	14.4	120	11.3	
			631	21.9	2,423	18.3	1,955	15.1	1,528	13.6	463	12.7	
	Total		555	19.3	2,053	15.5	1,897	14.6	1,494	13.3	403	11.0	

* Exceptional percentages which contradict the general trend of decrease in Classes III, and IV, V (and, conversely, increase in Classes I, II) with the increase of apartments.

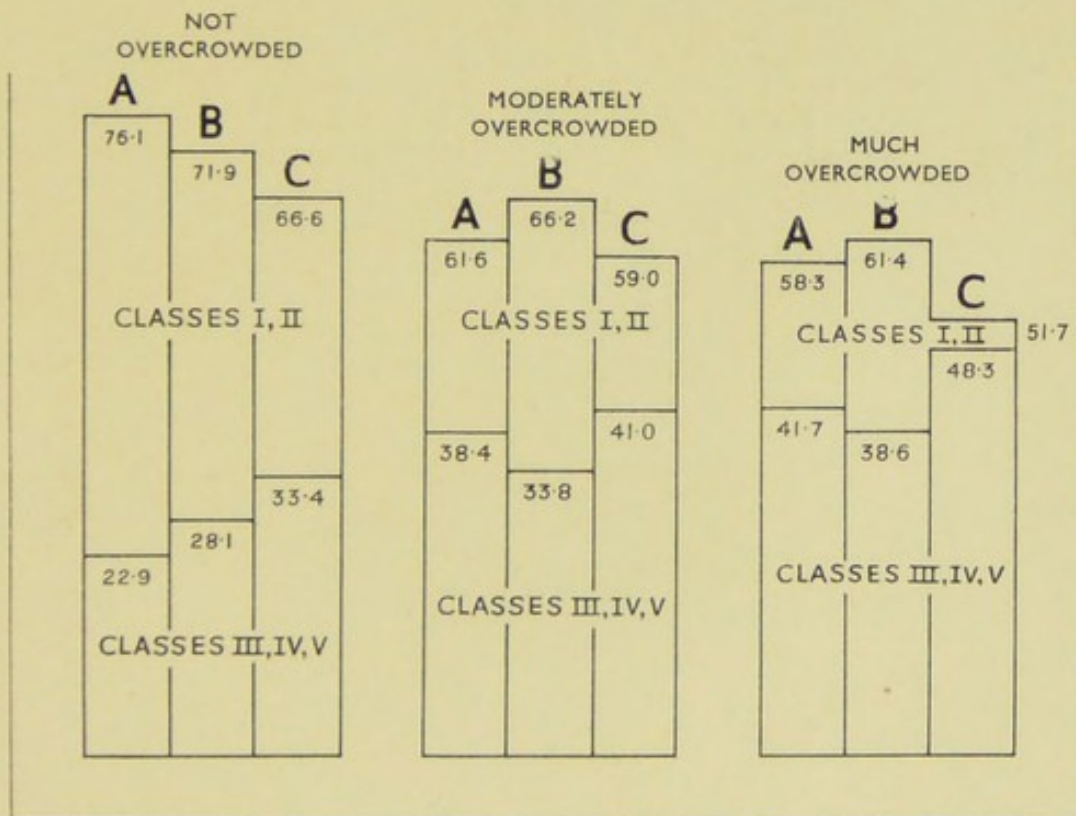
APPENDIX XV.—Table 6.2.—NUMBERS AND PERCENTAGES OF CHILDREN IN ORDINARY SCHOOLS PLACED IN VARIOUS MEDICAL ("REMEDIABILITY") CLASSES ARRANGED ACCORDING TO DEGREE OF OVERCROWDING AS DEFINED IN TABLE B.2. AND TYPE OF OCCUPANCY.

See note to Table C.1. for explanation of medical classification.

Age.	Medical Classification.	Degree of Overcrowding.												Totals.			
		Not Overcrowded.			Moderately Overcrowded.			Much Overcrowded.			Totals.			A	B	C	D
		A	B	C	A	B	C	A	B	C	A	B	C					D
5 years	Classes I, II	286	6,156	206	6,648	41	2,105	130	2,276	14	961	74	1,049	341	9,222	410	9,973
	Class III	67.1	62.5	63.2	62.7	57.8	57.7	57.5	57.7	51.9	52.3	48.4	52.0	65.1	60.2	58.2	60.2
		74	1,997	64	2,135	17	831	52	900	6	489	47	542	97	3,317	163	3,577
		17.4	20.3	19.6	20.2	23.0	22.8	23.0	22.8	22.2	26.6	30.7	26.9	18.5	21.6	23.1	21.6
	Classes IV, V	66	1,694	56	1,816	13	713	44	770	25.9	386	32	425	86	2,793	132	3,011
	15.5	17.2	17.2	17.1	18.3	19.5	19.5	19.5	19.5	21.0	20.9	21.1	16.4	18.2	18.7	18.2	
Totals		426	9,847	326	10,599	71	3,649	226	3,946	27	1,836	153	2,016	524	15,332	705	16,561
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9 years	Classes I, II	275	7,559	93	7,927	13	1,790	27	1,830	7	888	21	916	295	10,237	141	10,673
	Class III	79.7	74.2	67.0	74.3	72.2	69.5	65.8	69.5	53.8	61.8	63.6	61.8	78.5	72.1	66.8	72.2
		37	1,288	22	1,347	3	423	7	433	3	321	7	331	43	2,032	36	2,111
		10.7	12.7	16.1	12.6	16.7	16.4	17.1	16.5	23.1	22.3	21.2	22.3	11.4	14.3	17.1	14.3
	Classes IV, V	33	1,335	22	1,390	2	361	7	370	3	228	5	236	38	1,924	34	1,996
	9.6	13.1	16.1	13.0	11.1	14.0	17.1	14.0	23.1	15.9	15.2	15.9	10.1	13.6	16.1	13.5	
Totals		345	10,182	137	10,664	18	2,574	41	2,633	13	1,437	33	1,483	376	14,193	211	14,780
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
13 years	Classes I, II	286	6,980	40	7,306	7	1,667	7	1,681	7	990	10	1,007	300	9,637	57	9,994
	Class III	83.6	79.9	87.0	80.1	70.0	76.5	63.6	76.4	87.5	73.2	58.8	73.1	83.3	78.6	77.0	78.7
		26	812	3	841	2	254	3	259	—	207	5	212	28	1,273	11	1,312
		7.6	9.3	6.5	9.2	20.0	11.7	27.3	11.8	15.3	15.3	29.4	15.4	7.8	10.4	14.0	10.3
	Classes IV, V	30	944	3	977	1	257	1	259	1	186	2	189	32	1,357	6	1,395
	8.8	10.8	6.5	10.7	10.0	11.8	9.1	11.8	11.5	11.5	11.5	11.5	8.9	11.1	8.1	11.0	
Totals		342	8,736	46	9,124	10	2,178	11	2,199	8	1,353	17	1,378	360	12,267	74	12,701
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All Ages	Classes I, II	847	20,695	339	21,881	61	5,562	164	5,787	28	2,839	105	2,972	936	29,096	608	30,640
	Class III	76.1	71.0	66.6	72.0	61.6	66.2	59.0	65.0	58.3	61.4	51.7	60.0	74.3	69.6	61.4	69.6
		137	4,097	89	4,323	22	1,508	62	1,592	9	1,017	59	1,085	168	6,622	210	7,000
		12.3	14.2	17.5	14.2	22.2	18.0	22.3	18.1	22.3	22.0	29.1	29.1	13.3	15.9	22.2	15.0
	Classes IV, V	129	3,973	81	4,183	16	1,331	52	1,399	11	770	39	820	156	6,074	172	6,402
	11.6	13.8	15.9	13.8	16.2	15.8	18.7	15.9	15.9	22.9	16.6	19.2	16.8	14.5	17.4	14.5	
Totals		1,113	28,765	509	30,387	99	8,401	278	8,778	48	4,626	203	4,877	1,260	41,792	990	44,042
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Exceptional percentages which contradict the general decrease in minor medical classifications of the children (I and II) and increase of "temporary" and less remediable categories (III to V) with increase of overcrowding.

APPENDIX XV.—Fig. 5 (From Table C.2)—*PERCENTAGES OF CHILDREN OF ALL AGES IN VARIOUS MEDICAL REMEDIABILITY CLASSES ARRANGED ACCORDING TO TYPE OF OCCUPANCY AND TO THE DEGREE OF OVERCROWDING.*



A = LANDLORD B = TENANT C = LODGER

EXAMPLE XX - A 2-Row Latin Square with 3 Treatments
Treatments: A, B, C
Rows: 1, 2
Columns: 1, 2, 3

	A	B	C
1	A	B	C
2	B	C	A
3	C	A	B

A 2-Row Latin Square with 3 Treatments

1875

1875

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