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CORPORATION OF GLASGOW

Health and Welfare Department

SCHOOL HEALTH SERVICE

REPORT

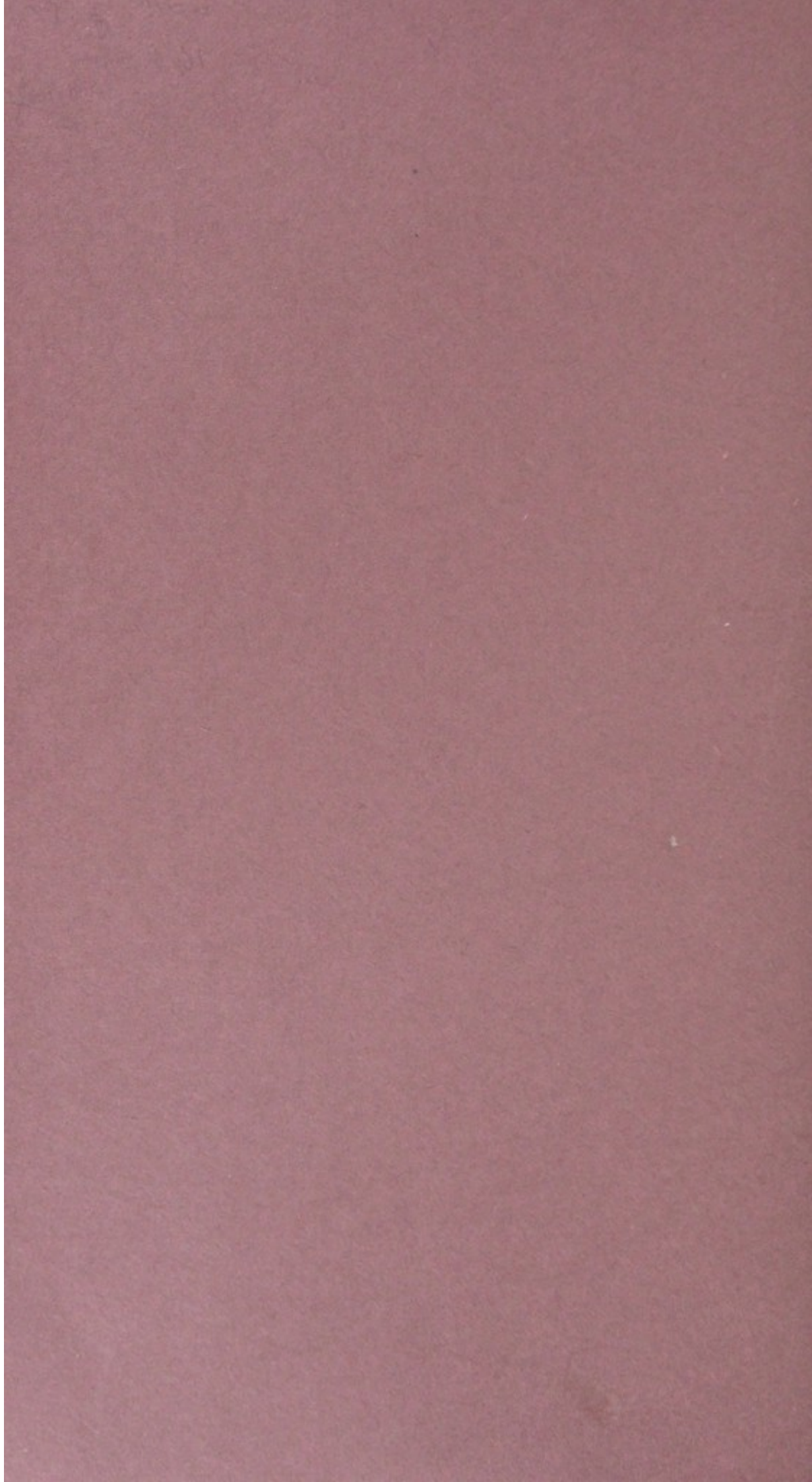
ON THE

Medical Inspection and Treatment
of School Children

FOR THE YEAR ENDED 31st JULY, 1957

Ordered by the Committee on Health and Welfare to be printed



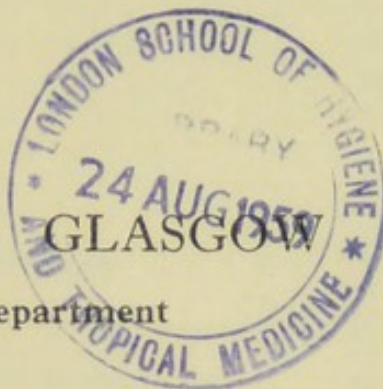


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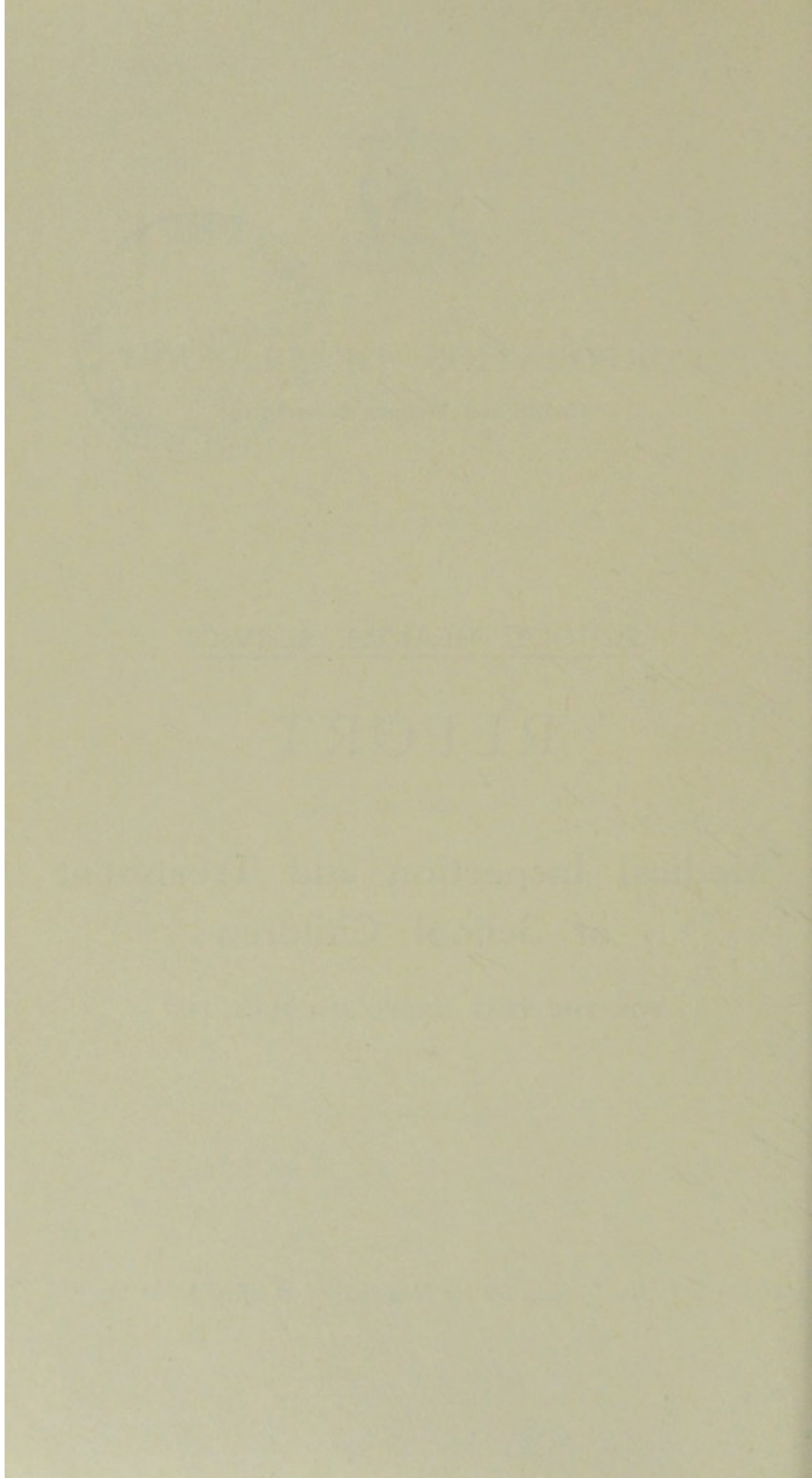
REPORT

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GENERAL INTRODUCTION

This Report is the forty-eighth since the establishment of medical inspection in Glasgow in the year 1909, the twenty-seventh since the transfer to the Health Department of the Corporation in 1930 and the nineteenth 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.

A full medical staff was available throughout the period under review, allowing of more time to be devoted to the basic work of medical inspection and treatment and to various schemes. As regards routine medical inspection, the total number of children examined in the course of the year was only surpassed once previously. More periods were given over to the examination of children proceeding on holidays abroad or on the several other educational excursions, the numbers examined in 1957 being more than twice those in 1956. The diphtheria immunisation campaign was less satisfactory than usual, the total number dealt with being the smallest since 1948, due probably to this scheme being inconveniently brought forward to permit of the special Mass Radiography campaign being undertaken in the spring.

During the year, a number of additional schools were opened throughout the city, mainly for children in primary classes, and a new clinic for the treatment of minor ailments was opened in the Easterhouse area. In the same period, more cases were treated by the School Health Service than in the previous year, notable increases being reported in the numbers attending with cuts, bruises, etc., and in respect of cases of defective vision (including the provision of spectacles) and defective speech cases—the increased numbers in the last two were mainly due to an easing of the staffing position.

The audiometric survey scheme was comparatively successful, as the result of an improvement in the staffing position but the ear, nose and throat scheme, in general, was less satisfactory as two of the specialists left during the year and were not replaced. The re-organisation described in last year's Report was taken a step further by reducing the T. & A. operating sessions in the Western District Hospital from

three to two per week and by retaining patients in hospital for forty-eight hours instead of the twenty-four hours formerly obtaining. No case is now accepted for T. & A. operation at the Western District Hospital without having been previously seen and approved by one of the operating specialists.

The results of systematic examination in ordinary schools were, on the whole, satisfactory ; the percentage (48·6) with no discoverable defect was the best ever recorded in these Reports. Average measurements were also improved at all ages and the continued advance during the post-war years is shown in the following table.

Age Group	Increase at 1957 compared with 1945			
	Boys		Girls	
5 year-olds ...	0·58 ins.	0·92 lbs.	0·58 ins.	0·97 lbs.
9 year-olds ...	0·94 ins.	2·98 lbs.	0·96 ins.	3·98 lbs.
13 year-olds ...	1·21 ins.	6·34 lbs.	0·90 ins.	6·61 lbs.

Reports on cleanliness during the year were varied ; school medical officers finding a deterioration at routine medical inspections, whilst cleanliness inspectresses (at first inspections but not at re-inspections) and nurse inspectresses of the Sanitary Department (at general inspections) recorded some improvement. The scheme of cleanliness supervision in selected schools was again successfully operated during the year, the all-round improvement being quite remarkable, especially in the six units where full-time Welfare Attendants were employed.

With regard to dental inspection and treatment, shortage of staff continued to dominate the situation. In spite, however, of the fact that fewer children were treated, attendances were slightly increased and the ratio of fillings to extractions was again comparatively high.

The Report contains the usual information, including details of the various schemes in which the School Health Service co-operated during the period.

Fewer deaths were reported among children during the year, but there were more fatalities due to violence.

It is a pleasure to acknowledge the support and interest of the Conveners and members of the Health and Welfare and of the Education Committees, to thank the Director of Education and his staff, head masters and teachers and all the members of the School Health Service for their continued loyalty and collaboration. I would also acknowledge my sincere thanks to Mr. James A. Stewart, Assistant Administrative Officer, for his work in collecting and arranging the material for this Report.

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

155 BATH STREET,
GLASGOW, C.2.

9th April, 1958.

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 Chief Dental Officer ; 13 School Dental Officers ⁽¹⁾ ; 1 Superintendent School Nurse ; 79 School Nurses (including 7 employed as Cleanliness Inspectresses and 3 with Spray Baths Units) ⁽²⁾ ; 8 Speech Therapists ⁽³⁾ ; 1 Occupational Therapist ⁽⁴⁾ ; 9 Physiotherapists (including 6 Physical Training Teachers seconded to Orthopaedic Clinics) ⁽⁵⁾ ; 3 Audiometricians ; 1 Assistant Administrative Officer ; 34 Clerks ⁽⁶⁾ ; 17 Dental Attendants ; 1 Default Officer ; 1 Dispensing Optician.

- (1) *Mrs. A. G. Jackman was appointed on 14.1.57, Miss Elizabeth Scanlan retired on 11.2.57, Mr. Alex. Rodger died on 12.4.57 and Mr. Alex. Ferguson resigned on 21.6.57.*
- (2) *During the session 7 nurses resigned and 3 were appointed.*
- (3) *Misses Margaret S. Breen, Elizabeth M. Brown, Agnes A. Donaghy, Catriona G. Kerr and Juanita M. King were appointed on 27.8.56. Miss Evelyn Y. Dryden and Miss King resigned respectively on 31.8.56 and 22.2.57.*
- (4) *Miss Norah Barrett resigned on 30.11.56 and Miss Morag MacKay was appointed on 12.12.56.*
- (5) *Miss Aileen Gauntlett was appointed on 27.8.56 and Miss Shirley B. Clark on 17.9.56 ; Miss Christina A. Porteous was re-appointed on 7.1.57. Mrs. J. Reid resigned on 31.8.56, Miss Gauntlett on 14.2.57 and Miss Josephine N. Robertson on 30.6.57.*
- (6) *During the session 5 clerks resigned and 4 were appointed.*

(b) PART-TIME STAFF.

1 Dentist ⁽¹⁾ ; 17 Consultants ⁽²⁾ ; 1 Dental Attendant.

- (1) *Mr. John Anderson retired on 23.3.57.*
- (2) *All are seconded to school health work by arrangement with the Western Regional Hospital Board (1 Dermatologist, 1 Cardiologist, 5 Aurists—1 for tonsils and adenoids operations only—1 Orthopaedic Surgeon, 1 Anaesthetist, 1 Ophthalmologist, 7 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 the 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 11,151 periods (half-days) worked by School Medical Officers, 9,224 were given to medical inspection and treatment and 1,927 periods were devoted to other work as follows :—residential school examinations, 462 ; junior club and school camp examinations, 310 ; examinations for holidays abroad and educational excursions, 157 ; harvesters' examinations, 27 ; diphtheria immunisation, 476 ; general inspection in schools, 219 ; examinations of school meals service staff, 93 ; B.C.G. vaccination, 115 ; poliomyelitis vaccination, 47 and 21 periods to examinations of pre-vocational students.

Of the total of 8,037 working periods, School Dental Officers devoted 7,803 to the normal work of dental inspection and treatment and 234 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) ...	1,083,500
Density of Population per acre ...	27
Number of Schools—	
(a) Primary	194
(b) Junior Secondary ...	46
(c) Senior Secondary (including 3 Comprehensive Schools)	32
(d) Schools for Handicapped Children	25
(e) Approved Schools	1
(f) Residential Schools ...	13
(g) Nursery Schools	40
(h) Hospital Schools	7
(i) Agricultural Schools ...	1
(j) Gardening Schools ...	1
	—
Total Schools Under Education Authority ...	360
(k) Schools in receipt of grant and under medical inspection	4
	—
	364

There were also 10 Occupational Centres housed in ordinary schools.

The average number of children on the register of all schools was 178,155 and the average number in attendance during the year was 161,325 (90.6 per cent.).

3.—**SANITARY CONDITION OF SCHOOLS**

See Report for 1954, page 11.

During the 1956-57 Session, 219 visits were paid to 199 schools and the following is a summary of the conditions found. "Nothing to report" was returned in 43 instances and the principal defects discovered in the remainder were : inadequacy of washing facilities, (67) ; disrepair of playground surfaces and lack of sufficient shelters, (52) ; absence or inadequacy of medical inspection room, (50) ; insufficiency of cloakroom accommodation, (50) ; defects of lighting and heating, (43) ; insufficiency of staff room accommodation, (60) ; defects of W.C.'s and lavatories, (84) ; defective ventilation, (19) ; disrepair or inadequacy of drinking fountains, (12). Other complaints included various structural defects, (72) ; disrepair of flooring ,(10) ; defective drainage, (8) and miscellaneous defects, (23).

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 1943, 1947 and 1940 ; nurses tested, for vision and hearing only, those born in 1949.

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
17 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	—
Burnbank School, Henderson Street, 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	—	—	—	—	—	—
74 Wellhouse Crescent, 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	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	—	—	—	—

Easterhouse Clinic, 74 Wellhouse Crescent, E.3 was opened on 1.5.57 for treatment of minor ailments.

Florence Street " B." Crail Street " A " and Glenbarr Street " C." Dental Clinics did not function from 4.2.57, 25.3.57 and 4.6.57 respectively.

Govan Road Dental Clinic functioned only part-time from 16.7.56, and Redan Street Dental Clinic had no full-time dentist until 14.1.57.

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.

Extracts from the Chief Dental Officer's report on the year's work appear on page 30 and the details statistics on Table V, pages 67 to 69.

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

See Report for 1954, page 17.

During the Session, the nursing staff devoted 37,255 periods (half-days) to the work of medical inspection and treatment of children (including home visitation); 494 periods to examinations in connection with holidays abroad, educational excursions, junior club and school camps and harvesting; 462 to the examination of children proposed for admission to residential schools; 476 to diphtheria immunisation; 93 to examinations of school meals staff; 47 to poliomyelitis vaccination and 21 periods to examinations of pre-vocational students—total periods 38,848. Visits totalled 2,574, of which 677 were home visits (to 580 children); nurse inspectresses from the Sanitary Divisions also visited homes in connection with uncleanliness discovered in the schools. During the same period, dental attendants devoted 8,631 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 B.C.G. vaccination campaign are shown in Appendix VIII, page 75 and particulars of the diphtheria immunisation "drive" in schools during 1957 are given in Appendix X, page 79.

In connection with the medical examination of employees and candidates for posts in the school meals' kitchens, 957 persons were summoned and 892 attended with the following results:—

New Staff.—279 were examined, of whom 39 were considered unfit by reason of the following defects: unsatisfactory X-ray, 6; general condition, 3; varicose veins, 1; obesity, 2; defective hygiene, 1; high blood pressure, 6; nervous condition, 2; albuminuria, 1; defective vision, 3; dental defect, 2; skin condition, 2; ear condition, 2; heart condition, 8.

Old Staff.—613 were examined, 4 of whom were certified unfit on account of:—skin condition, 2 (1 person examined twice); heart condition, 1; severe cold, 1. All of these later returned to duty.

The medical examination of students attending *pre-vocational courses* was continued and 467 of these students were examined during the session.

Poliomyelitis Vaccination. The School Health Service again co-operated in a national campaign during the months of May and June, 1957. Children born in the years 1947-54 who had previously registered were summoned for vaccination to school clinics, an average of 60 children per clinic being summoned. A first injection of the vaccine was given to 1,326 children and a second injection to 916 children. Injections were cancelled on 30 children for various reasons and 564 others failed to attend clinic.

Owing to an improvement in supplies of vaccine, leaflets and consent cards were issued at school clinics and at schools, towards the end of June, inviting parents to register (1) children born in the years 1955 and 1956 and (2) children born in the years 1947-54 who had not already been registered.

E. CO-OPERATION WITH OTHER OUTSIDE AGENCIES.

See Report for 1954, page 23.

By arrangement with Glasgow University, 17 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 are given in Appendix VIII, page 75.

The infectious disease hospitals referred 129 school children (post-pneumonia cases) to the School Health Service clinics for examination and after-care. Of the number reported, 28 failed to appear or intimate that they were receiving private treatment, 2 were found to be requiring no further attention, 29 were dealt with at "general" school clinics and 3 were recommended for convalescent holidays. The remaining 67 were placed on the list for artificial light therapy.

During the year, school clinics referred 281 cases (184 boys and 97 girls) direct to hospital, the ailments from which they suffered being as follows :—

<i>Skin—</i>	Boys.	Girls.
Wounds, etc. (minor injuries) ...	104	49
Fractures	16	11
Other skin conditions	40	26
<i>Eye</i>	18	9
<i>Ear, Nose and Throat</i>	3	1
<i>General</i>	3	1
	<hr/>	<hr/>
	184	97
	<hr/>	<hr/>

Biggart Hospital Home, Prestwick, continued to allocate 40 beds for Glasgow school children selected by the School Health Service. During the year, 229 children were summoned to school clinics for preliminary medical examination and, of the 173 who attended, 162 were considered suitable for admission to the Home.

Medical examination of 14 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, the homes were visited by nurses in January, 1957, and the children were subsequently examined at clinic by school medical officers. Schedules to the number of 116 were actually completed and forwarded to the Joint Committee.

An enquiry into the needs of handicapped children living at home was sponsored by the Carnegie United Kingdom Trust, the Principal School Medical Officer being invited to accept membership of the Advisory Committee for the enquiry in Glasgow. The School Health Service collaborated with Professor Ferguson of Glasgow University in supplying lists of children of selected ages attending special schools or occupational centres, or having home tuition. In addition, a certain number of forms for those who had been certified as ineducable and untrainable were also forwarded.

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

See Report for 1954, page 26.

The overall attendance of parents at the routine medical inspection of their children was unsatisfactory, the percentage for the year (59.5) being the lowest since 1952. Exceptions were found among the entrants where the attendance was over 95 per cent., and in respect of the boys in each age-group but the third.

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

GENERAL REVIEW

(Detailed statistics on pages 38 to 65).

Additional schools were opened during the session, mainly to accommodate children at the primary stage; the net increase was 16 schools. The average number of pupils on the register of all schools during 1957 was 178,155 compared with 177,112 in 1956 and 176,688 in 1955.

Table I (pages 38 and 39), shows the total number of school children examined in the stated age-groups during the course of the year ending 31st July, 1957; relative statistics are also given for each of the two immediately preceding years. In "ordinary" schools, 53,970 pupils were systematically examined, a total which, except for the phenomenal figure (54,835) in 1936, had not previously been surpassed. The increased numbers in the second and third age-groups were principally responsible for the rise, the total for entrants being only slightly below that of 1956. More handicapped pupils were examined than in either of the last two years.

Other examinations *in schools* were less numerous than in 1956 which, however, had the highest total of such examinations previously recorded; the reduction was mainly due to a fall in the numbers of children in the "1949" group seen by nurses and of "abnormals" seen by medical officers. Examinations *mainly at clinics* were also fewer, the principal exception being in respect of children proceeding on educational excursions. *Cleanliness inspections* by nurses were slightly increased compared with the returns in either of the years 1956 or 1955.

Appendix Ia, page 40, gives the numbers and percentages of children notified to parents as in need of treatment for certain conditions observed at routine examination. Fewer notifications were again found necessary. Appendix IIa, page 52, provides more details concerning notification to parents.

Appendix Ib, page 42, shows the age distribution of children seen at the date of systematic examination. As already mentioned in the notes on Table I, the comparatively large total of pupils seen was due to increased numbers in the second and third age-groups; that is, children aged 9 or 10, 13 or 14 at the time of examination.

In Table II, pages 44 to 50, the results of systematic examination of children in "ordinary" schools during the year are arranged 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 1956 and 1955 are supplied for comparison. The following are some brief notes on the tabulated information.

Unsatisfactory clothing and *unsatisfactory footgear* remained at the same low percentage (0·1) in each case, thus equalling the previous best.

Uncleanliness (9·3 per cent.) was recorded more frequently than of late but this was a defect the prevalence of which had been subject to some fluctuation in the post-war years.

Skin diseases (2.9 per cent.) were fewer than in 1956, the improvement in impetigo being mainly responsible.

Defective nutrition (3.2 per cent.) was considerably improved and, in fact, the percentage was the lowest recorded. This condition, however, was one where differing standards of individual officers might be expected to influence results.

Mouth and teeth unhealthy (oral sepsis) at 1.7 per cent. equalled the previous best.

Naso-pharyngeal defects were somewhat reduced, the percentage (8.7) being the lowest ever recorded. The fall was mainly due to fewer recommendations of cases for tonsillectomy.

External eye diseases (4.4 per cent.) were slightly fewer than in the previous year, strabismus cases being responsible. *Defective vision* (12.6 per cent.) was worse than in 1956 but the percentage was otherwise the best since 1949.

Ear diseases maintained the improvement noted last year as a result of the comparatively low incidence of otorrhoea. *Defective hearing cases*, however, were recorded more frequently than in any year since 1939, but the increase was small.

Speech defects (0.8 per cent.) equalled the 1956 figure which was the highest since the year 1952.

Mental and nervous conditions (0.5 per cent.) were noted more frequently than in any year since 1948; the rise being due to a relative increase in the numbers recorded under the category "highly nervous."

Diseases of the circulatory system (1.2 per cent.) were slightly more numerous than in either of the last two years, but the percentage compared favourably with that in other post-war years.

Lung diseases (3.2 per cent.) also rose slightly but the incidence of these conditions had always tended to fluctuate from year to year.

Deformities (2.3 per cent.) were less numerous than in 1956, the percentage, however, equalling the 1955 figure which had been the highest for some years previously. Congenital conditions showed most improvement with, among the acquired conditions, probable rickets continuing the improvement noted in recent years.

Asthma (0.4 per cent.) and *diabetes* (0.0 per cent.) were unchanged at the satisfactorily low levels shown; *infectious diseases* were increased but the percentage was negligible. *Other diseases or defects* (3.7 per cent.) were more numerous, enuresis, anaemia and debility forming a considerable proportion of this group.

Appendix IIa, page 52 gives additional information extracted from the returns of routine medical inspection. The *attendance of parents* at the examination of their children was worse than in 1956, although the proportion present at the examination of the entrant group was improved at 95 per cent. More *notifications to parents* were given by printed notice (compared with last year) in respect of defects of clothing, cleanliness, etc. More were *noted for re-inspection* regarding defects of clothing, etc., but slightly fewer for "other defects." *Exclusions from school* were slightly increased but the proportion was still fairly small. The percentage (48·6) of children with *no recorded defect* was the best ever recorded in these Reports. *Sound teeth* were again encountered more frequently but *visual acuity* among those not owning glasses was less satisfactory. The percentage (86·2) of children inoculated against *diphtheria* was smaller than in 1956, which year, however, had the highest percentage previously recorded. Protection of school children against *smallpox* (64·5 per cent.) continued to decline, the steadily decreasing numbers in the younger age-groups being significant following the discontinuance of compulsory vaccination.

Appendix IIb, page 54, details the results of the partial examination of children born in 1949 and also gives the totals of the two previous years for comparison. Fewer children were tested than in either 1956 or 1955, but the percentages for visual acuity and hearing compared favourably with those in former years.

Appendix IIc, page 55, gives details of the average heights and weights of children measured at routine medical inspection in 1957 and for each of the years back to 1948. Graphs of the post-war measurements are also given. General improvement in the average heights and weights of the children at all ages was noted.

Table III, page 60, classifies the results of systematic medical inspection according to the remediability of the major defects observed in the children. The percentage (66·1) of children free from defects (other than clothing, cleanliness and minor dental defects) was the best since 1954, an improvement being noted in respect of those suffering from the more serious defects.

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 results of cleanliness inspection were satisfactory at first and at general inspections (but not at re-inspections) and improvement was also reported by the hygiene units, particularly those where full-time attendants were employed.

The results of medical inspection in nursery schools are summarised in Appendix VII, page 73, and Appendix VIII describes the measures adopted for the prevention of tuberculosis amongst school children. Appendix IX, page 78, 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 18 to 30 and 79 to 84).

New cases and attendances for treatment were more numerous than in the previous year, reduction in some groups and defects being more than counter-balanced by increases in others. Brief explanatory notes on each group of defects are given below.

Cuts, bruises, minor injuries, etc., continued to rise and reached the highest number of cases ever recorded under this heading. As mentioned in previous Reports, the remarkably consistent increase year by year was proof of the value of the school clinic for treatment of superficial ailments.

New cases of *ear disease* seen by Aurists and School Medical Officers were fewer than in the previous year but slightly more were actually treated during the period—the highest number since 1954. Total attendances at clinic were reduced mainly by reason of improved treatment methods.

Fewer cases of *defective hearing* were seen by the specialists, mainly because the Certifying Aurist's assistant left to take up another post during the period under review.

New cases of *eye disease* were slightly fewer but the number, except for that in 1956, was the highest since 1949. Clinic attendances were, with the exception of those in 1956, the highest since 1951.

Skin disease continued to increase, new cases and clinic attendances being the highest since 1954; scabies and single-visit cases were mainly responsible, but impetigo and ulcers and abscesses showed some reduction.

More cases of *defective vision* were refracted than in the previous year and the total numbers dealt with at refraction clinics were the highest, except for those in 1955, since 1952. The numbers supplied with spectacles were the greatest, except for 1955, for many years.

Slightly more *tonsils and adenoids operations* were performed than in the previous year, but these would have been even more numerous had not the operative sessions in hospital been reduced from three to two. The preliminary examinations by Aurists were more than twice the total in 1956.

Orthopaedic cases were admitted to hospital in greater numbers than in previous years, but there was a reduction in the numbers examined at school clinics, while slightly fewer also were put on clinic treatment. Clinic attendances continued to fall but more treatments than ever before were given at the Spastic Unit.

New cases of *general diseases* were slightly more numerous than in 1956, bronchitis and bronchial catarrh showing consistent rise. *Medicines* were again supplied to fewer children.

Artificial light treatment cases were slightly increased over the previous year but this rise had no significance as such cases tended to fluctuate from year to year.

At the special *cardiac clinic* the numbers examined continued to fall.

Increased numbers of cases of *speech defect* were treated during the session—the highest total so far recorded in any one year. The employment of additional staff was mainly responsible.

The *diphtheria immunisation campaign* in schools was responsible for the smallest number of children immunised since the year 1948.

(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—	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Cuts, bruises, sprains, etc.	2,432	1,281	3,713	3,519	3,094
Burns and scalds	243	169	412	423	415
Totals	<u>2,675</u>	<u>1,450</u>	<u>4,125</u>	<u>3,942</u>	<u>3,509</u>

The attendances are included with those for skin conditions (page 22).

(2a) DISEASES OF THE EAR.

Examined only.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Recommended operations for tonsils and/or adenoids ...	167	138	305	342	390
Other operations recommended ...	—	—	—	—	—
Referred to hospitals ...	—	—	—	3	—
Single visit cases ...	346	256	602	651	729
Totals ...	<u>513</u>	<u>394</u>	<u>907</u>	<u>996</u>	<u>1,119</u>

Treated at clinics.

Details of new cases—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Chronic suppurative inflammation (otorrhoea)—Single ...	233	131	364	383	384
Double ...	34	24	58	56	71
Results of above diseases ...	10	14	24	14	16
Retracted membrane ...	40	20	60	79	107
Chronic aural catarrh ...	—	—	—	4	6
Ceruminous collection (wax) ...	188	160	348	339	332
Nasal catarrh ...	42	27	69	56	43
Laryngitis ...	2	3	5	1	—
Polypus ...	2	1	3	1	—
Other diseases ...	127	114	241	204	137
	<u>678</u>	<u>494</u>	<u>1,172</u>	<u>1,137</u>	<u>1,096</u>
Cases from previous session ...	429	314	743	800	773
Totals ...	<u>1,107</u>	<u>808</u>	<u>1,915</u>	<u>1,937</u>	<u>1,869</u>
Clinic attendances of above cases ...	<u>17,122</u>	<u>11,338</u>	<u>28,460</u>	<u>31,483</u>	<u>36,927</u>

Examinations by Specialists.

Cases to the number of 1,672 (941 boys and 731 girls) were summoned to school clinics for examination by aurists. Of that total 405 (229 boys and 176 girls) failed to attend, the remainder being dealt with as under :—

At school clinics—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Recommended operation for tonsils and/or adenoids ...	22	25	47	52	53
Other operations recommended ...	2	5	7	5	2
Referred to hospital ...	81	60	141	119	125
For X-ray ...	81	64	145	114	77
Other recommendations and treatments ...	526	401	927	1,009	1,019
	<u>712</u>	<u>555</u>	<u>1,267</u>	<u>1,299</u>	<u>1,276</u>

In addition to the foregoing, reports were received on 7 children referred in previous years to the Ear, Nose and Throat Hospital (Hearing Aid Clinic) for specialist examination—these may be summarised as follows :—

	1957.		Totals.	1956.	1955.
	Boys.	Girls.		Totals.	Totals.
At E., N. and T. H. (H. A. Clinic)—					
Recommended operation for tonsils and/or adenoids ...	1	—	1	1	25
Other operations recommended	—	—	—	—	2
Referred to hospital ...	—	—	—	7	23
For X-ray ...	—	—	—	5	9
Other recommendations and treatments ...	2	3	5	36	60
	<u>3</u>	<u>3</u>	<u>6</u>	<u>49</u>	<u>119</u>
Failed to attend ...	1	—	1	8	16
Total number of reports ...	<u>4</u>	<u>3</u>	<u>7</u>	<u>57</u>	<u>135</u>

X-ray Examinations.

Cases totalling 203, 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.		Total.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Sinuses ...	51	35	44	26	95	61	156
Mastoids ...	19	12	4	6	23	18	41
Chest ...	2	1	1	—	3	1	4
Others ...	—	—	2	—	2	—	2
Total examinations...	<u>72</u>	<u>48</u>	<u>51</u>	<u>32</u>	<u>123</u>	<u>80</u>	<u>203</u>

(2b) DEFECTIVE HEARING.

See Report for 1955, page 20.

The certifying Aurist continued to visit school clinics to examine children reported to be suffering from defective hearing, mainly cases referred from the audiometric surveys. He 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 72 were summoned with a view to grading as regards special education and, of that total, 49 (28 boys and 21 girls) attended. 9 pupils were classified as follows :—

7, deaf classes ; 1, partially-deaf class ; 1, to school for mentally handicapped. The specialist also made the undernoted recommendations :—

Lip reading, 3 ; audiogram, 11 ; hearing aid, 7 ; X-ray, 4 ; clinic treatment, 7 ; T. & A. operation, 4 ; other recommendations, 4.

In addition, 6 children (5 boys and 1 girl) were seen at two schools ; 2 boys being graded III (?) and IIa, 1 boy referred for hearing aid and 2 boys and 1 girl being recommended " for deaf school."

Hearing Aids. During the Session, 36 children (17 boys and 19 girls) were recommended hearing aids and in the same period instruments were supplied to 31 school children (14 boys and 17 girls). 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, 836 cases (469 boys and 367 girls) were tested by audiogram at Florence Street Audiometric Clinic ; the total included 22 cases summoned for retest.

Tonsil/Adenoid Cases. In 16 instances (9 boys and 7 girls), operations for the removal of tonsils and/or adenoids were performed in Mearns Kirk or Western District Hospitals.

Audiometric Survey Scheme. Details of the work accomplished during the Session, including the findings of the Aurist and the treatment provided, are shown in Appendix XII, page 82.

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

Details of new cases—	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Blepharitis	335	290	625	659	552
Hordeolum (Stye)	239	296	535	590	469
Conjunctivitis, catarrhal	251	256	507	539	615
Conjunctivitis, muco-purulent	—	—	—	2	2
Ophthalmia, strumous (includes phlyctenular conjunctivitis and keratitis)	1	3	4	10	23
Keratitis (interstitial)	1	1	2	—	2
Corneal ulcers	8	11	19	8	11
Corneal opacities	—	—	—	—	2
Dacryocystitis	—	—	—	—	—
Epiphora	—	—	—	—	—
Injuries	58	27	85	81	94
Other diseases	29	27	56	37	52
Single visit cases	201	203	404	339	338
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	1,123	1,114	2,237	2,265	2,160
Cases from previous session	92	47	139	157	123
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals	1,215	1,161	2,376	2,422	2,283
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Clinic attendances of above cases	9,655	8,853	18,508	18,561	17,840

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

Details of new cases—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Scabies	733	745	1,478	756	293
Pediculosis capitis	6	3	9	8	9
Impetigo contagiosa	1,183	666	1,849	2,090	2,440
Ped. cap. and imp. cont.	19	40	59	53	90
Ecthyma	34	20	54	51	45
Dermatitis seborrhoeica	132	125	257	206	254
Eczema	77	47	124	95	147
Alopecia areata	13	7	20	26	34
Psoriasis	11	22	33	39	30
Herpes zoster (shingles)	82	64	146	199	193
Lupus	—	—	—	—	1
Ulcers and abscesses	2,009	948	2,957	3,233	2,921
Urticaria	50	76	126	146	143
Warts	371	343	714	676	592
Other skin diseases	160	159	319	281	342
Single visit cases	1,797	1,233	3,030	2,653	2,915
	<u>6,677</u>	<u>4,498</u>	<u>11,175</u>	<u>10,512</u>	<u>10,449</u>
Cases from previous session	323	231	554	542	587
Totals	<u>7,000</u>	<u>4,729</u>	<u>11,729</u>	<u>11,054</u>	<u>11,036</u>

Clinic attendances of above and ring-worm cases 68,591 41,287 109,878 107,973 102,415

Special Cleansing Clinics—

	1957.	1956.	1955.
New Cases	301	322	322
Attendances	521	592	564

(4b) RINGWORM.

Drug Treatment—

Details of new cases—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Ringworm (head)	13	9	22	27	26
Ringworm (body)	29	20	49	34	46
Totals	<u>42</u>	<u>29</u>	<u>71</u>	<u>61</u>	<u>72</u>

X-ray Treatment.

11 children (7 boys and 4 girls) were given X-ray treatment for ringworm of the scalp, receiving 55 X-ray exposures.

Other skin conditions were also treated by X-ray, 6 boys making 12 attendances and receiving 30 exposures and 2 girls making 2 attendances and receiving 2 exposures.

(4c) BATH TREATMENT OF SCABIES.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Cases receiving baths	656	685	1,341	647	243
Baths given	4,086	4,130	8,216	3,899	1,512

(B) DEFECTIVE VISION

See Report for 1955, page 23.

Below are given the figures relating to (a) cases dealt with at refraction clinics during 1957 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.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Subjected to refraction—					
Spectacles prescribed ...	2,763	2,955	5,718*	5,353	5,764
Spectacles not prescribed—					
For further treatment ...	...	...	1,254	1,144	1,510
No treatment required ...	...	...	691	660	716
			<hr/>	<hr/>	<hr/>
			7,663	7,157	7,990
			<hr/>	<hr/>	<hr/>
Not subjected to refraction—					
For further treatment ...	...	...	1,337	1,217	1,207
No treatment required ...	...	...	518	435	472
Spectacles checked ...	...	...	35	20	7
Postponed ... ..	...	...	1,356	1,269	1,472
			<hr/>	<hr/>	<hr/>
			3,246	2,941	3,158
			<hr/>	<hr/>	<hr/>
Total number dealt with at refraction clinics			11,007	10,098	11,148
			<hr/>	<hr/>	<hr/>
Number of clinics held ... ..	...	...	1,128	1,072	1,099
Average number of children per clinic ...	...	...	9.8	9.4	10.1
Average number subjected to refraction at each clinic ... ..	...	...	6.8	6.7	7.3

At school clinics, 84 new occlusion cases were put on treatment while an additional 573 children were kept under observation. The number of children referred to hospital for further treatment was 316 and a further 57 were put off treatment.

At the end of the school Session, approximately 789 children were awaiting refraction, distributed as follows :—

New cases—191 ; “ failed to attend ”—509 ; retests—89.

* Classification of refraction errors was as follows :—

Hypermetropia.		Myopia.			Anisopia.	Total.
H.	H.A.	M.	M.A.	Mx.A.		
713	2,418	1,124	655	572	236	5,718

(b) PROVISION OF SPECTACLES.

New cases were supplied with spectacles under the scheme to the number of 5,640. The nickel type was provided in 5,337 instances free of charge, and the cellulose acetate in 303 on payment by each parent of a contribution towards the cost.

Replacements or repairs totalled 2,073, the details being as follows :—new lenses, 48 ; replaced lenses, 1,035 ; frames, sides, etc., 990 (nickel 973 ; cellulose acetate 17). A contribution towards the cost of replacement or repair was made by the parent in 15 instances.

(c) EAR, NOSE AND THROAT OPERATIVE TREATMENT.

(i) TONSILS AND ADENOIDS OPERATIONS.

In October, 1956, it was decided that only cases previously seen and approved by the operating specialists would be admitted to Western District Hospital for tonsil and adenoid operation. At the end of January, 1957, operating sessions at the same hospital were reduced from three to two per week and patients were retained in hospital for 48 hours following the operation, instead of, as formerly, 24 hours.

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.		Fourth Exam.		Total.	
	B.	G.	B.	G.	B.	G.	B.	G.	B.	G.
Summoned	645	515	120	112	24	24	4	3	793	654
Attended	459	456	86	82	23	20	2	2	570	560
Examined	428	429	86	82	23	20	2	2	539	533

Recommendations—

T. and A. operation ...	298	278	25	26	3	6	2	1	328	311
Audiogram and T. and A. operation ...	53	59	4	2	—	—	1	—	58	61
Not for treatment ...	16	20	27	30	10	7	2	1	55	58
Audiogram	16	16	6	—	1	—	—	—	23	16
X-ray examination ...	17	14	—	2	—	—	—	—	17	16
Clinic treatment ...	20	8	5	5	1	—	—	—	26	13
Other recommendations	4	4	2	—	—	—	—	—	6	4

In addition to the above recommendations, 126 of the cases were noted for review at later dates—mainly from three to six months subsequently.

The table below shows number of operations performed in the several hospitals during 1956-57, compared with the figures for the previous two years.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Tonsils removed—					
Western District Hospital ...	2	4	6	10	5
Mearns Kirk Hospital ...	3	2	5	1	3
Adenoids removed—					
Western District Hospital ...	62	49	111	30	11
Mearns Kirk Hospital ...	42	21	63	34	119
Stobhill Hospital ...	6	2	8	2	2
Southern General Hospital ...	4	2	6	2	—
Tonsils and Adenoids removed—					
Western District Hospital ...	336	361	697	716	1,126
Mearns Kirk Hospital ...	216	267	483	422	544
Stobhill Hospital ...	1	—	1	87	201
Southern General Hospital ...	2	2	4	—	—
	674	710	1,384	1,304	2,020
Number of operation periods ...	...	...	*95	*88	*115
Average number of cases per period ...	...	...	*9	*9	*10
Clinic (including hospital) attendances ...	...	...	4,623	3,705	6,584

* These figures relate only to the Western District Hospital.

In addition to the above, 46 children (21 boys and 25 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, 1957, was 1,186 (595 boys and 591 girls). Of these, 171 (95 boys and 76 girls) 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 52 (including 28 for antral lavage in Western District Hospital) were admitted to one or other of the four hospitals 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.

The number of cases on the waiting list at 31st July, 1957, for other ear, nose and throat operations was 36 (25 boys and 11 girls).

(D) *ORTHOPAEDIC AND POSTURAL DEFECTS.*

See Report for 1954, page 41.

The treatment of children at the school orthopaedic clinics had been supervised by the visiting consultant orthopaedic surgeon. Children under treatment were seen at frequent intervals, and a full follow-up was maintained of children who had been discharged from treatment, so that any relapse was noticed early on and appropriate treatment given. This was very important in the care of children suffering from poliomyelitis. As will be seen in the accompanying tables poliomyelitis accounted for the disability in more than half (55 per cent.) of all children admitted to hospital for treatment.

Details of the work during 1956-57 were as follows :—

(a) *DEFORMITIES TREATED IN MEARNSKIRK HOSPITAL.*

Cases in hospital at 1.8.56	...	...	14
Number admitted during Session	...	...	80
			<hr/>
			94
Number dismissed during Session	...	...	72
			<hr/>
Number still in hospital on 31.7.57	...	...	22
			<hr/> <hr/>

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

Foot deformities (congenital, 4 ; post poliomyelitis, 15 ; other acquired deformities, 6) ; cerebral palsy, 10 ; scoliosis (post poliomyelitis), 1 ; torticollis, 5 ; limb shortening (post poliomyelitis), 20 ; disabilities of the upper limb (post poliomyelitis), 4 ; knock knees, 2 ; miscellaneous, 5—total 72. Of that total, 3 received physiotherapy and the remainder were given operative treatment. In all, 69 operations were performed as under :—

Manipulations (including tenotomy and wrenching), 18 ; tendon transplants, 8 ; stabilisation of foot, 6 ; tenotomy for torticollis, 5 ; elongation of tendo achilles, 4 ; epiphyseal stapling, 22 ; spinal arthrodesis, 1 ; miscellaneous, 5—total 69.

The average stay in hospital of these 72 children was 73 days.

The number of children on the waiting list for admission to Mearns Kirk Hospital on 1.8.57 was 46.

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

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Number of children examined by—					
School Medical Officers ...	405	416	821	786	860
Orthopaedic Surgeon ...	670	596	1,266	1,313	1,047
Number of attendances of "old cases reporting for observation ...	577	517	1,094	1,165	1,174
Number of Plaster cases (Avenuepark Street Clinic) ...	—	—	—	—	—

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

Details of new cases put on treatment at Clinics—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Deformities of spine (kyphosis, lordosis, scoliosis) ...	74	101	175	150	179
Paralysis, infantile and other ...	53	55	108	155	102
Flat-foot and other deformities of the foot ...	97	88	185	175	158
Wry-neck (torticollis) ...	5	8	13	8	13
Deformities of chest ...	34	16	50	52	37
Knock-knees ...	6	5	11	15	25
Others ...	12	10	22	11	26
	<u>281</u>	<u>283</u>	<u>564</u>	<u>566</u>	<u>540</u>
Cases from previous Session	125	114	239	248	227
Totals ...	<u>406</u>	<u>397</u>	<u>803</u>	<u>814</u>	<u>767</u>

Discharged from Orthopaedic Clinics—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Fit ...	207	206	413	402	388
For hospital treatment ...	11	14	25	24	8
To Convalescent Homes ...	—	—	—	4	2
Transferred to other clinics or treated by appliances ...	19	15	34	58	79
For other reasons (leaving school, etc.) ...	44	37	81	83	60
Totals ...	<u>281</u>	<u>272</u>	<u>553</u>	<u>571</u>	<u>537</u>
Number still on treatment ...	126	126	252	241	242
Number of attendances made by children for treatment ...	...	...	14,090	14,978	15,370

(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	21	17	38	1,838	1,842	3,680
Speech Therapy	15	11	26	1,087	1,008	2,095
Occupational Therapy ...	14	9	23	591	598	1,189

Group physiotherapy classes were held to the number of 72. Fewer speech treatments were given due to the increased time allocated to certain treatments from time to time. Of 13 children discharged during the year 3 were considered mentally unfit for the school, 3 had reached school leaving age, 3 were transferred to a special school and 1 had removed from the district.

(E) OTHER DISEASES

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

Details of new cases—

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Bronchitis and bronchial catarrh	543	377	920	858	820
Anaemia and/or debility	736	722	1,458	1,627	1,466
Rickets	1	1	2	1	2
Tubercular conditions—					
Pulmonary (including contacts)	37	38	75	64	87
Non-pulmonary	4	2	6	18	23
Paralysis	—	—	—	3	3
Heart disease	23	27	50	51	36
Chorea	8	4	12	11	11
Enlarged tonsils and/or adenoids	52	55	107	100	117
Adenitis	22	10	32	32	38
Rheumatism	19	40	59	66	93
Enuresis	339	391	730	719	713
Malnutrition	5	13	18	20	6
Epilepsy	8	7	15	21	15
Digestive disorders	57	80	137	184	193
Infectious diseases	33	33	66	36	71
Mental deficiency	—	2	2	—	2
Nervous disorders	45	29	74	86	90
Others	239	222	461	340	345
Single visit cases... ..	1,092	927	2,019	1,878	2,179
Totals	3,263	2,980	6,243	6,115	6,310
Clinic attendances of above cases ...	9,835	8,315,	18,150	18,168	17,171

(b) SUPPLY OF MEDICINES.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Details of new cases seen elsewhere than at "General" Clinics—					
Sent from school inspection for immediate supply	376	340	716	876	889
Sent from skin, eye and ear clinics	530	537	1,067	1,156	1,440
Additional attendances at "General" clinics for medicine... ..	6,691	5,236	11,927	13,665	13,538
Totals	<u>7,597</u>	<u>6,113</u>	<u>13,710</u>	<u>15,697</u>	<u>15,867</u>

(c) ARTIFICIAL LIGHT TREATMENT.

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Details of new cases—					
Rickets	1	3	4	3	7
Anaemia and/or debility	408	433	841	847	916
Nervous disorders	3	2	5	4	7
Enlarged glands	3	10	13	5	11
Chronic bronchitis	244	208	452	482	467
Rheumatism	19	32	51	52	55
Skin conditions	22	30	52	31	61
Eye conditions	2	10	12	4	11
Ear conditions	11	16	27	35	31
Other diseases	112	68	180	102	188
Single visit cases	49	69	118	157	154
Totals	<u>874</u>	<u>881</u>	<u>1,755</u>	<u>1,722</u>	<u>1,908</u>
Clinic attendances of above cases ...	11,356	11,606	22,962	21,202	24,058

(d) CASES SEEN AT CARDIAC CLINICS.

See Report for 1954, page 45.

During the Session, 380 children (176 boys and 204 girls) were summoned, of whom 76 (38 boys and 38 girls) failed to attend. The remainder reported as follows :—

New Cases.		Re-examinations.		Totals.	
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
59	77	79	89	138	166

The Specialist referred 75 children (40 boys and 35 girls) for electro-cardiogram or X-ray examination and 14 (3 boys and 11 girls) for admission to hospital where some were operated on for the treatment of certain forms of congenital heart disease. In 3 instances (2 boys

and 1 girl) he advised that they should be passed out to ordinary school suitably graded as regards physical training. In addition, 7 boys and 7 girls were recommended other forms of specialist and school clinic treatment. The total number of children summoned to clinic was slightly lower than last year on account of the fact that the Specialist interviewed 35 parents of children who had been referred for further investigation at the Cardiology Clinic.

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

October, 1956, 7 ; December, 1956, 8 ; April, 1957, 8 ; June, 1957, 14. Since the commencement of the scheme in June, 1950, 305 children in all have been seen.

The Specialist had little to add to his previous reports, except to say that the continued success of the scheme was due, in large measure, to the co-operative efforts of all concerned with the children—at school, clinic and hospital.

(e) INVESTIGATION OF ASTHMA AND ALLERGIC CONDITIONS.

The special clinic at Crail Street continued to function successfully throughout the year.

7.—DENTAL INSPECTION AND TREATMENT

During the period under review, staffing difficulties continued to dominate the position. The following clinics were mainly concerned : Florence Street " B," Redan Street and Crail Street " A " ; Glenbarr Street " C " and Govan Road were also affected, but to a lesser extent.

These clinics had all been kept in operation part-time by transferring dental officers from other districts, an arrangement which merely spread the difficulty without solving it, and consequently the general situation was reflected in a decline in the over-all figures.

Although 1,056 fewer children were treated the number of attendances showed a slight increase and it may be noted that the ratio of fillings to extractions was again high.

The orthodontic clinic continued to function with little change from last year, while other work, e.g. artificial dentures, crowns, root-treatments, etc., all showed an increase.

8.—SPECIAL SCHOOLS AND CLASSES AND RESIDENTIAL SCHOOLS

(a) FOR HANDICAPPED CHILDREN

Educational provision is made as follows in schools for handicapped children under the management of the Corporation :—

- (1) Mentally handicapped—19 Day Schools and 10 Occupational Centres.
- (2) Physically handicapped, delicate or convalescent—10 Day Schools, 8 Residential Schools, 7 Hospital Schools and a Scheme of Home Tuition. (One day school has a 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, 1957, the number of children receiving special educational treatment in schools administered by the Corporation was as given below :—

Physically handicapped children, 548 ; children with hearing defects, 321 ; children with defects of vision, 92 ; mentally handicapped (educable) children, 2,902 ; mentally handicapped (trainable) children, 462 ; total 4,325. This total compares with 4,568 in 1956 and 5,290 in 1955.

Children who were classified as handicapped were required statutorily 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 handicapped children at intervals to ascertain progress and to recommend, where possible, transfer to ordinary school. In addition, consultant services were provided for children with defects of hearing or vision, for orthopaedic and heart cases and for spastics.

Hospital Schools. Tuition was given 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, 1957.

Drumchapel Home, (45); Lenzie Home, (24); Mearns Kirk Hospital, (151); Victoria Auxiliary Infirmary, Philipshill, (40); Royal Hospital for Sick Children, (79); Stobhill Hospital, (77) and Strathblane Home, (29).

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.
South Park, Ascog -	28	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.

* Used for eight months in the year.

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 May, 1957, approximately 105 mentally handicapped children had four weeks residence at Dounans Camp, Aberfoyle. This provision was made as the Corporation had no residential school for mentally handicapped children.

HOME TUITION SCHEME.

See Report for 1954, page 50.

At 30th June, 1957, the number of children participating in the scheme was 47 and the main causes of incapacity were :—

Spina bifida, 8 ; paralysis or paresis, 7 ; heart disease, 6 ; nephrosis, 3 ; haemophilia, 3 ; non-pulmonary tuberculosis, 2 ; tuberculous meningitis, 2 ; poliomyelitis, 2 ; fragilitas ossium, 2 ; bronchiectasis, 2 ; bronchial asthma, 2 ; lung conditions, 2 ; miscellaneous, 6.

EXAMINATION AND AFTER-CARE OF MENTALLY HANDICAPPED CHILDREN.

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

	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
First Examinations ...	337	205	542	547	529
Re-examinations ...	1,283	946	2,229	2,211	1,793
	<u>1,620</u>	<u>1,151</u>	<u>2,771</u>	<u>2,758</u>	<u>2,322</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 specialised 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.

Coltness House, Wishaw—1 severely physically handicapped boy.

Eastpark Homes, Glasgow and Largs—44 severely physically handicapped children requiring long-term nursing care.

The Colony for Epileptics, Bridge of Weir—11 Protestant children suffering from serious epilepsy.

St. Elizabeth's Home for Epileptics, Much Haddam, Herts—1 Roman Catholic diabetic-epileptic boy.

The Royal Blind School, Edinburgh—37 Protestant blind children.

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

Burwood Park Secondary-Technical School, Walton-on-Thames, Surrey—1 profoundly deaf boy.

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

Lennox Castle Certified Institution—43 mentally handicapped boys (Protestant and Roman Catholic), aged 12-16 years.

Royal Scottish National Institution, Larbert—10 mentally handicapped boys and girls (Protestant).

St. Charles' Certified Institution, Carstairs—62 Roman Catholic mentally handicapped children.

St. Joseph's Certified Institution, Rosewell—7 Roman Catholic mentally handicapped children with severe physical handicap.

Waverley Park Certified Institution, Kirkintilloch—20 Protestant mentally handicapped girls.

Birkwood Certified Institution, Lesmahagow—4 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).

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.

(c) FOR MALADJUSTED CHILDREN

CHILD GUIDANCE.

The Child Guidance Clinics dealt with 3,219 children as compared with 3,258 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)—1,481 instances; *behaviour disturbances* (unmanageable behaviour, aggression and temper tantrums, sadistic tendencies, exhibitionism, truancy and wandering)—595; *delinquency* (theft, lying, malicious mischief and sexual offences)—380; *educational disability* (general backwardness and specific disability)—638. Of these children, 101 were given residential treatment at Nerston Residential Clinic as compared with 73 in the preceding Session.

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 1956-57 consisted of the Superintendent and two Assistant Superintendents (a man and a woman), 49 Principal Teachers (32 men and 17 women), 93 assistant teachers (men) and 100 assistant teachers (women), of whom 14 were part-time. Four of the assistant teachers (women) were attached to Orthopaedic Clinics under the charge of a Principal Teacher (woman).

Visits were made to neighbouring primary schools as part of their duties by Principal Teachers of Physical Education to demonstrate the appropriate physical education lesson from the new Draft Syllabus and to give general guidance. The staffing situation also admitted of some visits to primary schools by assistant teachers of physical education.

Instruction in Personal Hygiene, including simple First Aid, was given in secondary schools as part of the Scheme of Physical Education and in primary schools short talks on elementary health habits were given. A display of poster material on Health, in the City Chambers, and the issue to schools of the new pamphlet on Health Education helped to focus attention on this aspect of the subject.

Where facilities were available, either by spray installations or by Mobile Spray Unit, pupils, with the consent of their parents, attended Spray Baths during one of the physical education periods.

During the summer months of September and October, 1956, and May and June, 1957, when swimming is a recognised part of the curriculum, 25,000 pupils attended weekly at school ponds or at Corporation Baths. During the winter months of November, 1956 till April, 1957, over 19,000 pupils, with the consent of their parents, attended baths to receive a weekly period of instruction in swimming.

Three Mobile Spray Bath Units continued to function, visiting 15 schools. An overall average of 130 baths daily was provided and a total of 77,227 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, 1957, there were 51 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 April, 1957 (Friday, 12th April), the total number of meals served was 58,867, of which 57,335 were dinners. Of the meals supplied, 13,659 dinners were provided free of charge.

The meals were served in the 372 Dining Rooms, 305 of which were in school premises and 67 in church and other halls. Of the 305 Dining Rooms in schools, 33 were at schools for handicapped children and 41 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, 1955, 1956, and 1957 were as follows :—

Year Ending	Breakfasts	Dinners.	Teas.	Totals.
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
31st May, 1957 ...	242,496	14,351,824	1,231,571	15,825,891

Weekly tickets may be purchased by pupils having dinner in school at the following prices :—

For 5 meals per week—4s. 9d. for the first child of a family, 4s. 4d. for the second, and 3s. 11d. for the third and subsequent children ; equivalent prices for 6 dinners are 5s. 7d., 5s. 2d. and 4s. 9d. Remission rates of 3s. 11d., 3s., 2s. or 1s. (according to the family income) are charged for a ticket entitling a child to 6 dinners per week, the price being the same for each member of the family.

In schools for handicapped children, the prices are 1s. 10d. and 2s. 1d. for 5 and 6 dinners respectively, or at remission rates for 6 dinners of 2s. and 1s.

(c) FOOTWEAR AND CLOTHING

During the year 1st June, 1956 to 31st May, 1957, 1,111 children were provided with footwear and clothing as compared with 1,098 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, 1957, was 36,288,611, compared with 35,472,507 in 1956. The most recent census figures showed that 86·9 per cent. of the children on the registers in September, 1956, were taking school milk compared with 86·1 per cent. in September, 1955.

Food inspectors of the Health and Welfare Department took 283 samples of pasteurised milk for examination and, of that number, 10 failed to pass the coliform test. The average composition of samples was satisfactory at 3·69 per cent. milk fat and 8·67 per cent. non-fatty solids. Of 161 samples submitted for biological examination as to the presence of tubercle, all were found to be negative.

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	1957			1956	1955
	Boys	Girls	Totals	Totals	Totals
(a) Entrants	9,059	8,576	17,635	17,724	18,266
Second Age Group	9,315	9,185	18,500	16,956	14,386
Third Age Group ...	7,955	7,777	15,732	14,674	14,474
Fourth Age Group ...	740	615	1,355	1,379	1,534
	27,069	26,153	53,222	50,733	48,660
(b) Others	336	412	748	754	927
Totals	27,405	26,565	53,970	51,487	49,587

For age distribution of these children see Appendix Ib on page 42.

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	1957			1956	1955
	Boys	Girls	Totals	Totals	Totals
Physically handicapped children	178	133	311	297	296
Mentally handicapped children	479	385	864	784	729
Totals	657	518	1,175	1,081	1,025

(B) OTHER EXAMINATIONS—

GROUP	1957	1956	1955
<i>(i) In Schools—</i>			
Systematic Inspection of Nursery School Children	997	924	947
Other Examinations in Nursery Schools (including abnormals)	2,089	2,005	2,123
1949 age-group (Visual Acuity and Hearing only)—(by school nurses)	15,404	16,601	17,664
Special Cases (in respect of particular defects)	18,067	16,844	14,883
Re-inspections by Medical Officers	25,563	28,393	23,270
Leaving Interviews	10,426	9,971	10,045
Examinations regarding Mental Defect	2,771	2,758	2,322
Discharges in Special Schools and Classes	99	175	195
Totals	75,416	77,671	71,449
<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	665	803	752
Adult Employees of the Corporation	1,043	1,365	1,084
Candidates for Printers' Apprenticeships	182	189	227
Children as to fitness for camps, etc.—			
Harvesters, etc.	1,517	3,208	4,232
School and Junior Club groups	10,897	11,607	12,476
Children as to fitness for School Journeys abroad, Educational Excursions, etc.	5,129	2,379	2,057
Children as to fitness for admission to Residential Schools and Institutions	10,223	11,506	11,826
Pre-vocational Students	620	726	736
Other Special Cases	44	17	14
Examinations in Remand Home	3,106	3,098	2,770
Totals	33,426	34,898	36,176
<i>(iii) Cleanliness and Special Examinations—</i>			
* Cleanliness inspections—(by school nurses)	157,851	157,378	157,789

* In addition, Nurse Inspectresses of the Sanitary Divisions made 126,690 cleanliness inspections in 1,102 visits to 94 schools (see page 64).

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	1957			1956	1955
	Boys	Girls	Totals	Totals	Totals
Entrants	3,375 (37·3)	3,085 (36·0)	6,460 (36·6)	6,728 (38·0)	6,772 (37·1)
2nd Age Group	2,492 (26·8)	2,768 (30·1)	5,260 (28·4)	5,189 (30·6)	4,641 (32·3)
3rd Age Group	1,477 (18·6)	2,044 (26·3)	3,521 (22·4)	3,563 (24·3)	3,808 (26·3)
4th Age Group	98 (13·2)	104 (16·9)	202 (14·9)	227 (16·5)	243 (15·8)
Others	77 (22·9)	104 (25·2)	181 (24·2)	180 (23·9)	259 (27·9)
Totals	7,519 (27·4)	8,105 (30·5)	15,624 (28·9)	15,887 (30·9)	15,723 (31·7)

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 52.

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) ...	192	5,646	127	59	23
Do.	(b) ...	—	—	—	8	17
Transferred Schools	(a) ...	52	2,793	138	28	1
Do.	(b) ...	—	—	—	12	12
Totals	(a) ...	244	8,439	265	87	24
Do.	(b) ...	—	—	—	20	29
Totals, 1957	... ..	244	8,439	265	107	53
Totals, 1956	... ..	211	8,549	254	99	59
GIRLS.						
Non-transferred Schools	(a) ...	157	5,349	150	48	17
Do.	(b) ...	—	—	—	—	—
Transferred Schools	(a) ...	64	2,655	115	15	6
Do.	(b) ...	—	—	—	12	14
Totals	(a) ...	221	8,004	265	63	23
Do.	(b) ...	—	—	—	12	14
Totals, 1957	... ..	221	8,004	265	75	37
Totals, 1956	... ..	202	8,027	263	89	57
ALL						
Totals	(a) ...	465	16,443	530	150	47
Do.	(b) ...	—	—	—	32	43
Totals, 1957	... ..	465	16,443	530	182	90
Totals, 1956	... ..	413	16,576	517	188	116

† 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
312	5,393	769	—	337	4,904	423	15	379	169	—	18,748
—	14	58	36	17	4	48	21	—	1	—	224
116	2,422	303	—	169	1,915	207	—	137	40	—	8,321
—	12	31	16	12	4	12	1	—	—	—	112
428	7,815	1,072	—	506	6,819	630	15	516	209	—	27,069
—	26	89	52	29	8	60	22	—	1	—	336
428	7,841	1,161	52	535	6,827	690	37	516	210	—	27,405
609	7,394	636	71	618	6,391	477	76	617	119	—	26,180
190	5,175	974	—	373	4,558	422	16	344	80	—	17,853
—	12	58	42	16	11	40	31	—	—	1	211
114	2,301	431	—	153	2,010	261	—	140	35	—	8,300
—	23	41	30	9	20	24	28	—	—	—	201
304	7,476	1,405	—	526	6,568	683	16	484	115	—	26,153
—	35	99	72	25	31	64	59	—	—	1	412
304	7,511	1,504	72	551	6,599	747	75	484	115	1	26,565
415	7,399	714	64	638	6,319	449	52	477	141	1	25,307
732	15,291	2,477	—	1,032	13,387	1,313	31	1,000	324	—	53,222
—	61	188	124	54	39	124	81	—	1	1	748
732	15,352	2,665	124	1,086	13,426	1,437	112	1,000	325	1	53,970
1,024	14,793	1,350	135	1,256	12,710	926	128	1,094	260	1	51,487

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.		1955	1956	1957	Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.	Totals.	Totals.
Number examined	9,059	8,576	9,315	9,185	7,955	7,777	740	615	27,405	26,565	53,970	51,487	53,970	49,587
1. CLOTHING Nature of defects found	Insufficient		6	2	1	1	—	—	7	7	14	16	14	4
	Ragged		3	—	3	1	—	—	9	2	11	5	11	10
	Dirty		2	13	6	7	—	—	21	33	54	42	54	39
Totals	5	15	20	15	8	9	—	—	37	42	79	63	79	53
2. FOOTGEAR UNSATISFACTORY	Unsatisfactory		22	4	8	2	—	—	37	10	47	27	47	40
	None		—	—	—	—	—	—	—	—	—	1	—	—
Totals	7	3	22	4	8	2	—	—	37	10	47	28	47	40
3. UNCLEANLINESS	Dirty		4	4	3	—	—	—	11	5	16	9	16	7
	Nits		368	1,450	188	1,337	—	4	1,013	3,902	4,915	4,256	4,915	4,394
	Verminous		9	11	5	13	—	—	28	34	62	69	62	63
(a) Head	—	1	4	—	—	—	—	—	—	—	—	—	—	—
(b) Body	Dirty		—	—	7	9	—	—	12	11	23	19	23	16
	Verminous		6	—	4	—	—	—	—	—	—	8	—	—
Totals	387	1,037	459	1,466	207	1,359	—	4	1,075	2,955	5,030	4,361	5,030	4,486
	(4.3)	(12.1)	(4.9)	(16.0)	(2.6)	(17.5)	—	(0.7)	(3.0)	(11.1)	(14.9)	(8.5)	(14.9)	(9.0)

4. SKIN	(a) Head	Ringworm ...	1	2	1	—	1	2	3	5	2	2
		Impetigo ...	(0.0) 38	(0.0) 17	(0.0) 35	—	(0.0) 7	(0.0) 81	(0.0) 40	(0.0) 121	(0.0) 161	(0.0) 154
		Injuries ...	(0.4) 10	(0.2) 2	(0.4) 1	(0.1) 7	(0.1) —	(0.3) 18	(0.2) 3	(0.2) 21	(0.3) 19	(0.3) 17
		Others ...	(0.1) 49	(0.0) 30	(0.0) 46	(0.1) 52	32	(0.1) 156	(0.0) 105	(0.0) 261	(0.0) 262	(0.0) 222
		Ringworm ...	(0.5) 1	(0.3) 3	(0.5) —	(0.7) 1	(0.4) 1	(0.6) 2	(0.4) 5	(0.5) 7	(0.5) 4	(0.4) 13
		Impetigo ...	(0.0) 16	(0.0) 7	(0.0) 5	(0.0) 4	(0.0) 2	(0.0) 25	(0.0) 21	(0.0) 46	(0.0) 84	(0.0) 64
		Scabies ...	(0.2) 11	(0.1) 13	(0.1) 12	(0.1) 4	(0.0) 11	(0.1) 27	(0.1) 38	(0.1) 65	(0.2) 28	(0.1) 22
		Injuries ...	(0.1) 14	(0.2) 7	(0.1) 12	(0.1) 8	(0.1) 4	(0.1) 34	(0.1) 21	(0.1) 55	(0.1) 77	(0.0) 76
		Others ...	(0.2) 180	(0.1) 163	(0.1) 164	(0.1) 103	(0.1) 181	(0.1) 474	(0.1) 495	(0.1) 969	(0.1) 953	(0.2) 851
		Totals ...	(2.0) 320	(1.9) 244	(1.8) 276	(1.4) 219	(2.3) 239	(2.4) 819	(1.9) 731	(1.8) 1,550	(1.9) 1,590	(1.7) 1,421
5. NUTRITION	Slightly defective Bad ...	...	294	446	277	393	147	2	988	1,712	2,069	1,670
		(3.2) 1	(5.2) 5	(3.0) 1	(4.3) 1	(1.8) 2	(0.3) —	(2.6) 4	(3.7) 9	(3.2) 13	(4.0) 53	(3.4) 41
		(0.0) —	(0.1) —	(0.0) —	(0.0) —	(0.0) —	(0.0) —	(0.0) —	(0.0) —	(0.0) —	(0.1) —	(0.1) —
		Totals ...	295	451	278	394	149	728	997	1,725	2,122	1,711
6. MOUTH AND TEETH UNHEALTHY	...	...	209	201	111	138	62	7	503	893	904	1,087
		(2.3) —	(2.3) —	(1.2) —	(1.5) —	(0.8) —	(0.9) —	(1.4) —	(1.9) —	(1.7) —	(1.8) —	(2.2) —

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1956	1955
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.
7. NASO PHARYNX												
(a) <i>Nose</i>												
Obstruction—for observation	116 (1.3)	98 (1.1)	42 (0.5)	35 (0.4)	18 (0.2)	7 (0.1)	—	1 (0.2)	178 (0.6)	144 (0.5)	322 (0.6)	408 (0.8)
Obstruction—for operation	67 (0.7)	63 (0.7)	27 (0.3)	27 (0.3)	10 (0.1)	5 (0.1)	—	—	105 (0.4)	96 (0.4)	201 (0.4)	230 (0.5)
Catarrh	59 (0.7)	49 (0.6)	69 (0.7)	52 (0.6)	22 (0.3)	13 (0.2)	1 (0.1)	1 (0.2)	153 (0.6)	115 (0.4)	268 (0.5)	302 (0.6)
Other conditions	19 (0.2)	9 (0.1)	14 (0.2)	8 (0.1)	12 (0.2)	13 (0.2)	1 (0.1)	—	47 (0.2)	30 (0.1)	77 (0.1)	67 (0.1)
(b) <i>Throat</i>												
Tonsils—for observation	728 (8.0)	706 (8.2)	247 (2.7)	387 (4.2)	93 (1.2)	156 (2.0)	1 (0.1)	1 (0.2)	1,077 (3.9)	1,258 (4.7)	2,335 (4.3)	2,257 (4.6)
Tonsils—for operation	412 (4.5)	406 (4.7)	139 (1.5)	164 (1.8)	22 (0.3)	88 (1.1)	—	—	577 (2.1)	668 (2.5)	1,245 (2.3)	1,262 (2.5)
Other conditions	12 (0.1)	8 (0.1)	6 (0.1)	4 (0.0)	2 (0.0)	2 (0.0)	1 (0.1)	1 (0.2)	21 (0.1)	15 (0.1)	36 (0.1)	21 (0.0)
(c) <i>Glands</i>												
For observation	62 (0.7)	48 (0.6)	28 (0.3)	22 (0.2)	8 (0.1)	12 (0.2)	—	1 (0.2)	100 (0.4)	86 (0.3)	186 (0.3)	166 (0.3)
For operation	—	—	—	—	1 (0.0)	—	—	—	1 (0.0)	—	1 (0.0)	1 (0.0)
Totals	1,475 (16.3)	1,387 (16.2)	572 (6.1)	699 (7.6)	188 (2.4)	296 (3.8)	4 (0.5)	5 (0.8)	2,259 (8.2)	2,412 (9.1)	4,671 (8.7)	4,714 (9.5)
8. EYES												
(a) <i>External Diseases</i>												
Blepharitis	76 (0.8)	64 (0.7)	114 (1.2)	119 (1.3)	78 (1.0)	68 (0.9)	6 (0.8)	—	275 (1.0)	254 (1.0)	529 (1.0)	419 (0.8)
Conjunctivitis	14 (0.2)	11 (0.1)	12 (0.1)	16 (0.2)	14 (0.2)	15 (0.2)	2 (0.3)	—	45 (0.2)	43 (0.2)	88 (0.2)	60 (0.1)
Corneal opacities	6 (0.1)	2 (0.0)	2 (0.0)	3 (0.0)	4 (0.1)	4 (0.1)	—	—	12 (0.0)	9 (0.0)	21 (0.0)	9 (0.0)
Strabismus	408 (4.5)	365 (4.3)	278 (3.0)	254 (2.8)	124 (1.6)	124 (1.6)	2 (0.3)	4 (0.7)	820 (3.0)	754 (2.8)	1,574 (2.0)	1,479 (3.0)
Other diseases	28 (0.3)	23 (0.3)	24 (0.3)	28 (0.3)	13 (0.2)	21 (0.3)	9 (1.2)	—	76 (0.3)	72 (0.3)	148 (0.3)	105 (0.2)
Totals	532 (5.9)	465 (5.4)	430 (4.6)	420 (4.6)	233 (2.9)	232 (3.0)	11 (1.5)	4 (0.7)	1,220 (4.5)	1,132 (4.3)	2,352 (4.4)	2,072 (4.2)

8. EYES																							
<i>(b) Visual acuity (Snellen)*</i>																							
Fair, 6/9 or 6/12	...	...	...	...	...	...	...	...	...	...	...	3,233 (10.4)											
Bad, 6/18 or worse	...	...	...	...	...	...	...	...	...	...	...	3,217 (9.5)											
Totals	...	...	...	...	...	...	...	...	...	...	...	819 (2.4)											
Recommended for Refraction	142 (1.6)	138 (1.6)	392 (4.2)	411 (4.5)	1,005 (12.7)	1,103 (12.0)	1,036 (11.2)	874 (9.4)	928 (10.1)	784 (9.9)	858 (11.0)	111 (15.0)	69 (11.2)	1,801 (9.9)	1,890 (10.5)	3,691 (10.2)	4,036 (12.0)	1,709 (3.4)	1,880 (3.7)	2,601 (4.8)	2,563 (5.0)	2,415 (4.9)	
Recommended for Re-test	17 (0.2)	15 (0.2)	117 (1.3)	138 (1.5)	128 (1.6)	138 (1.5)	117 (1.3)	162 (1.7)	175 (1.9)	221 (2.8)	258 (3.3)	24 (3.2)	20 (3.3)	417 (2.3)	467 (2.6)	884 (2.4)	884 (2.4)	662 (1.2)	683 (1.3)	706 (1.4)	706 (1.4)	706 (1.4)	
Totals	159 (1.8)	153 (1.8)	509 (5.5)	549 (6.0)	452 (5.7)	549 (6.0)	509 (5.5)	622 (6.7)	622 (6.7)	622 (6.7)	622 (6.7)	29 (3.9)	43 (7.0)	1,167 (4.3)	1,434 (5.4)	2,601 (4.8)	2,601 (4.8)	2,601 (4.8)	2,601 (4.8)	2,601 (4.8)	2,601 (4.8)	2,601 (4.8)	
9. EARS																							
<i>(a) Diseases</i>																							
Otorrhoea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	55 (0.6)	53 (0.6)	179 (2.0)	199 (2.3)	162 (1.9)	162 (1.9)	179 (2.0)	199 (2.3)	199 (2.3)	162 (1.9)	162 (1.9)	57 (0.7)	2 (0.3)	200 (0.7)	174 (0.7)	374 (0.7)	374 (0.7)	374 (0.7)	374 (0.7)	374 (0.7)	374 (0.7)	374 (0.7)	399 (0.8)
<i>(b) Defective hearing</i>																							
Grade I—For ordinary class	23 (0.3)	17 (0.2)	31 (0.3)	36 (0.4)	38 (0.5)	36 (0.4)	31 (0.3)	31 (0.3)	36 (0.4)	38 (0.5)	44 (0.6)	—	2 (0.3)	95 (0.3)	102 (0.4)	197 (0.4)	197 (0.4)	197 (0.4)	197 (0.4)	197 (0.4)	197 (0.4)	197 (0.4)	168 (0.3)
„ IIa—For front seat	1 (0.0)	6 (0.1)	20 (0.2)	21 (0.2)	18 (0.2)	21 (0.2)	20 (0.2)	20 (0.2)	21 (0.2)	18 (0.2)	14 (0.2)	3 (0.4)	—	43 (0.2)	41 (0.2)	84 (0.2)	84 (0.2)	84 (0.2)	84 (0.2)	84 (0.2)	84 (0.2)	84 (0.2)	79 (0.2)
„ IIb—For class for semi-deaf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168 (0.3)
„ III—For deaf class	—	—	1 (0.0)	—	—	—	1 (0.0)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2 (0.0)
Totals	100 (1.1)	98 (1.1)	129 (1.4)	133 (1.4)	160 (2.0)	133 (1.4)	129 (1.4)	129 (1.4)	133 (1.4)	160 (2.0)	125 (1.6)	3 (0.4)	4 (0.7)	401 (1.5)	363 (1.4)	764 (1.4)	764 (1.4)	764 (1.4)	764 (1.4)	764 (1.4)	764 (1.4)	764 (1.4)	721 (1.5)

* The record of defective vision applies to the better eye, and is with spectacles if worn at examination. The figures do not include entrants, as they cannot be examined by means of test types. The percentages given, therefore, relate to the children outwith the entrants group: 36,227 children in all—108 cases fewer than the total number examined outwith the "entrants" age group. (See, however, Appendix IIb, page 54, for the results of examination of children born in 1949.)

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1956	1955
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.
10. SPEECH												
Defective articulation ...	150 (1.7)	87 (1.0)	31 (0.3)	19 (0.2)	9 (0.1)	13 (0.2)	—	1 (0.2)	191 (0.7)	120 (0.5)	311 (0.6)	275 (0.6)
Stammering ...	27 (0.3)	6 (0.1)	31 (0.3)	8 (0.1)	25 (0.3)	9 (0.1)	1 (0.1)	—	87 (0.3)	24 (0.1)	111 (0.2)	91 (0.2)
Totals ...	177 (2.0)	93 (1.1)	62 (0.7)	27 (0.3)	34 (0.4)	22 (0.3)	1 (0.1)	1 (0.2)	278 (1.0)	144 (0.5)	422 (0.8)	366 (0.7)
11. MENTAL AND NERVOUS CONDITION												
Backward ...	4 (0.0)	2 (0.0)	17 (0.2)	5 (0.1)	6 (0.1)	—	—	—	27 (0.1)	7 (0.0)	34 (0.1)	41 (0.1)
Dull ...	3 (0.0)	—	14 (0.2)	3 (0.0)	8 (0.1)	2 (0.0)	—	—	25 (0.1)	5 (0.0)	30 (0.1)	22 (0.0)
Mentally handicapped (educable)	3 (0.0)	—	—	1 (0.0)	—	—	—	—	3 (0.0)	1 (0.0)	4 (0.0)	2 (0.0)
„ „ (ineducable)	—	—	—	—	—	—	—	—	—	—	—	—
Highly nervous ...	38 (0.4)	17 (0.2)	29 (0.3)	15 (0.2)	10 (0.1)	5 (0.1)	—	—	81 (0.3)	37 (0.1)	118 (0.2)	51 (0.1)
Difficult in behaviour ...	4 (0.0)	5 (0.1)	2 (0.0)	1 (0.0)	3 (0.0)	—	—	—	9 (0.0)	6 (0.0)	15 (0.0)	4 (0.0)
Epilepsy (Mild)	13 (0.1)	7 (0.1)	9 (0.1)	8 (0.1)	6 (0.1)	12 (0.2)	1 (0.1)	1 (0.2)	30 (0.1)	28 (0.1)	58 (0.1)	34 (0.1)
„ (Severe)	—	—	2 (0.0)	1 (0.0)	2 (0.0)	—	—	—	4 (0.0)	1 (0.0)	5 (0.0)	4 (0.0)
Totals ...	65 (0.7)	31 (0.4)	73 (0.8)	34 (0.4)	35 (0.4)	19 (0.2)	1 (0.1)	1 (0.2)	179 (0.7)	85 (0.3)	264 (0.5)	158 (0.3)

12. CIRCULATORY SYSTEM

(a) Organic Heart Disease

Congenital ...	...	32 (0.4)	36 (0.4)	13 (0.1)	18 (0.2)	12 (0.2)	18 (0.2)	—	—	57 (0.2)	72 (0.3)	129 (0.2)	131 (0.3)	112 (0.2)
Acquired ...	...	13 (0.1)	2 (0.0)	12 (0.1)	18 (0.2)	14 (0.2)	30 (0.4)	2 (0.3)	6 (0.8)	47 (0.2)	53 (0.2)	100 (0.2)	97 (0.2)	120 (0.2)
Functional Conditions ...	...	131 (1.4)	89 (1.0)	50 (0.5)	51 (0.6)	41 (0.5)	48 (0.6)	4 (0.7)	3 (0.4)	226 (0.8)	195 (0.7)	421 (0.8)	332 (0.6)	325 (0.7)
Totals ...	...	176 (1.9)	127 (1.5)	75 (0.8)	87 (0.9)	67 (0.8)	96 (1.2)	6 (1.0)	9 (1.2)	330 (1.2)	320 (1.2)	650 (1.2)	560 (1.1)	557 (1.1)

13. LUNGS

Chronic Bronchitis ...	...	20 (0.2)	5 (0.1)	21 (0.2)	20 (0.2)	19 (0.2)	7 (0.1)	—	—	62 (0.2)	33 (0.1)	95 (0.2)	91 (0.2)	90 (0.2)
Suspected Tuberculosis ...	...	21 (0.2)	14 (0.2)	18 (0.2)	18 (0.2)	11 (0.1)	16 (0.2)	—	2 (0.3)	53 (0.2)	49 (0.2)	102 (0.2)	101 (0.2)	103 (0.2)
Catarrh ...	...	481 (5.3)	430 (5.0)	253 (2.7)	165 (1.8)	89 (1.1)	62 (0.8)	1 (0.2)	4 (0.5)	833 (3.0)	668 (2.5)	1,501 (2.8)	1,376 (2.7)	1,373 (2.8)
Other diseases ...	...	5 (0.1)	7 (0.1)	7 (0.1)	5 (0.1)	3 (0.0)	4 (0.1)	—	—	15 (0.1)	17 (0.1)	32 (0.1)	27 (0.1)	29 (0.1)
Totals ...	...	527 (5.8)	456 (5.3)	299 (3.2)	208 (2.3)	122 (1.5)	89 (1.1)	1 (0.2)	6 (0.8)	963 (3.5)	767 (2.9)	1,730 (3.2)	1,595 (3.1)	1,595 (3.2)

14. DEFORMITIES

(a) Congenital ...	...	63 (0.7)	49 (0.6)	52 (0.6)	40 (0.4)	36 (0.5)	38 (0.5)	2 (0.3)	3 (0.4)	156 (0.6)	133 (0.5)	289 (0.5)	343 (0.7)	296 (0.6)
(b) Acquired Infantile Paralysis ...	...	15 (0.2)	11 (0.1)	11 (0.1)	17 (0.2)	8 (0.1)	1 (0.0)	—	—	35 (0.1)	30 (0.1)	65 (0.1)	65 (0.1)	74 (0.1)
Probable Rickets ...	...	42 (0.5)	40 (0.5)	20 (0.2)	15 (0.2)	20 (0.3)	1 (0.0)	—	1 (0.1)	83 (0.3)	57 (0.2)	140 (0.3)	182 (0.4)	225 (0.5)
Cerebral Palsy ...	...	3 (0.0)	1 (0.0)	6 (0.1)	—	1 (0.0)	—	—	—	10 (0.0)	1 (0.0)	11 (0.0)	6 (0.0)	5 (0.0)
Other causes ...	...	149 (1.6)	121 (1.4)	113 (1.2)	121 (1.3)	105 (1.3)	83 (1.1)	4 (0.7)	7 (0.9)	378 (1.4)	333 (1.3)	711 (1.3)	658 (1.3)	554 (1.1)
Totals ...	...	272 (3.0)	226 (2.6)	202 (2.1)	193 (2.1)	170 (2.1)	123 (1.6)	6 (1.0)	11 (1.5)	662 (2.4)	554 (2.1)	1,216 (2.3)	1,254 (2.4)	1,154 (2.3)

TABLE II—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1957 Totals.	1956 Totals.	1955 Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.			
15. INFECTIOUS DISEASES ...	17 (0.2)	8 (0.1)	1 (0.0)	—	4 (0.1)	1 (0.0)	—	—	22 (0.1)	9 (0.0)	31 (0.1)	11 (0.0)	15 (0.0)
16. ASTHMA ...	51 (0.6)	19 (0.2)	43 (0.5)	28 (0.3)	41 (0.5)	14 (0.2)	3 (0.4)	1 (0.2)	140 (0.5)	63 (0.2)	203 (0.4)	194 (0.4)	170 (0.3)
17. DIABETES ...	1 (0.0)	3 (0.0)	—	3 (0.0)	1 (0.0)	1 (0.0)	—	1 (0.2)	2 (0.0)	8 (0.0)	10 (0.0)	10 (0.0)	11 (0.0)
18. OTHER DISEASES OR DEFECTS ...	441 (4.9)	454 (5.3)	301 (3.2)	396 (4.3)	165 (2.1)	202 (2.6)	5 (0.7)	12 (2.0)	919 (3.4)	1,080 (4.1)	1,999 (3.7)	1,811 (3.5)	1,818 (3.7)

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APPENDIX IIIa.—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.		1957	1956	1955
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.	Totals.
Parents present at examination ...	8,638 (95.4)	8,142 (95.0)	6,100 (65.5)	6,494 (70.7)	1,045 (13.1)	1,349 (17.3)	20 (2.7)	28 (4.6)	15,934 (58.1)	16,161 (60.8)	32,095 (59.5)	31,031 (60.3)	29,714 (59.9)
Children notified to parents as requiring treatment:—													
(a) Defects of clothing and/or cleanliness and trivial caries of the temporary teeth	1,408 (15.5)	1,513 (17.6)	900 (9.7)	967 (10.5)	315 (4.0)	538 (6.9)	12 (1.6)	8 (1.3)	2,655 (9.7)	3,058 (11.5)	5,713 (10.6)	5,959 (11.6)	5,247 (10.6)
By printed notice.	165 (1.8)	316 (3.7)	304 (3.3)	562 (6.1)	235 (3.0)	729 (9.4)	2 (0.3)	4 (0.7)	724 (2.6)	1,664 (6.3)	2,368 (4.4)	2,116 (4.1)	2,227 (4.5)
(b) Other defects ...	2,059 (22.7)	1,876 (21.9)	1,284 (13.8)	1,430 (15.6)	705 (8.9)	955 (12.3)	82 (11.1)	76 (12.4)	4,165 (15.2)	4,388 (16.5)	8,553 (15.8)	8,614 (16.7)	8,751 (17.6)
By printed notice.	1,316 (14.5)	1,209 (14.1)	1,208 (13.0)	1,338 (14.6)	772 (9.7)	1,089 (14.0)	16 (2.2)	28 (4.6)	3,354 (12.2)	3,717 (14.0)	7,071 (13.1)	7,273 (14.1)	6,972 (14.1)
Children noted for re-inspection:—													
(a) Defects of clothing, etc. (as above) ...	919 (10.1)	1,175 (13.7)	780 (8.4)	1,100 (12.0)	310 (3.9)	1,023 (13.2)	5 (0.7)	13 (2.1)	2,042 (7.5)	3,382 (12.7)	5,424 (10.0)	4,878 (9.5)	4,648 (9.4)
(b) Other defects ...	3,348 (37.0)	3,077 (35.9)	2,605 (28.0)	2,877 (31.3)	1,855 (23.3)	2,193 (28.2)	125 (16.9)	108 (17.6)	8,019 (29.3)	8,371 (31.5)	16,390 (30.4)	15,686 (30.5)	15,853 (32.0)
Children excluded from attendance at school ...	41 (0.5)	34 (0.4)	16 (0.2)	23 (0.3)	16 (0.2)	9 (0.1)	—	2 (0.3)	74 (0.3)	68 (0.3)	142 (0.3)	94 (0.2)	77 (0.2)
Children "free from defects" in terms of Table III:—													
(a) No recorded defect ...	3,307 (36.5)	2,993 (34.9)	4,512 (48.4)	4,055 (44.1)	5,601 (70.4)	4,335 (55.7)	555 (75.0)	473 (76.9)	14,154 (51.6)	12,055 (45.4)	26,209 (48.6)	24,494 (47.6)	23,473 (47.3)
(b) Defects of clothing only ...	—	1 (0.0)	5 (0.1)	—	6 (0.1)	—	—	—	11 (0.0)	1 (0.0)	12 (0.0)	17 (0.0)	19 (0.0)
(c) Defects of cleanliness only ...	109 (1.2)	282 (3.3)	150 (1.6)	513 (5.6)	117 (1.5)	858 (11.0)	—	3 (0.5)	384 (1.4)	1,712 (6.4)	2,096 (3.9)	1,791 (3.5)	1,890 (3.8)
(d) Minor dental defect with or without clothing and/or cleanliness defect(s) ...	1,963 (21.7)	1,974 (23.0)	1,612 (17.3)	1,441 (15.7)	87 (1.1)	206 (2.6)	2 (0.3)	3 (0.5)	3,705 (13.5)	3,656 (13.8)	7,361 (13.6)	7,041 (13.7)	7,089 (14.3)

APPENDIX IIb.—VISUAL ACUITY AND HEARING OF CHILDREN BORN IN 1949.

See Report for 1954, page 72.

VISUAL ACUITY.

Result of Eyesight (Snellen) Test.

		No. and percentage			1956.	1955.
		1957.			Totals.	Totals.
		Boys.	Girls.	Totals.		
Children who wore glasses at examination.	With Glasses—					
	Good, 6/6 ...	170 (2.1)	210 (2.8)	380 (2.5)	322 (1.9)	332 (1.9)
	Fair, 6/9, 6/12 ...	224 (2.8)	269 (3.6)	493 (3.2)	564 (3.4)	611 (3.4)
	Bad, 6/18, etc. ...	42 (0.5)	54 (0.7)	96 (0.6)	84 (0.5)	112 (0.6)
	Without Glasses—					
	Good, 6/6 ...	82 (1.0)	102 (1.3)	184 (1.2)	174 (1.0)	171 (1.0)
Fair, 6/9, 6/12 ...	184 (2.3)	241 (3.2)	425 (2.7)	444 (2.7)	454 (2.6)	
Bad, 6/18, etc. ...	170 (2.1)	190 (2.5)	360 (2.3)	352 (2.1)	430 (2.4)	
Children not wearing glasses at examination	Good, 6/6 ...	5,180 (65.7)	4,771 (63.4)	9,951 (64.6)	10,629 (64.0)	11,538 (65.3)
	Fair, 6/9, 6/12 ...	1,660 (21.0)	1,630 (21.7)	3,290 (21.3)	3,820 (23.0)	3,883 (22.0)
	Bad, 6/18, etc. ...	607 (7.7)	587 (7.8)	1,194 (7.7)	1,182 (7.1)	1,188 (6.7)
	Totals ...	7,883	7,521	15,404	16,601	17,664

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

		No. and percentage.			1956.	1955.
		1957.			Totals.	Totals.
		Boys.	Girls.	Totals.		
Good, 6/6 ...	...	5,350 (67.9)	4,981 (66.2)	10,331 (67.1)	10,951 (66.0)	11,870 (67.2)
Fair, 6/9, 6/12 ...	...	1,884 (23.9)	1,899 (25.2)	3,783 (24.5)	4,384 (26.4)	4,494 (25.4)
Bad, 6/18, etc. ...	...	649 (8.2)	641 (8.5)	1,290 (8.4)	1,266 (7.6)	1,300 (7.3)
Totals ...	...	7,883	7,521	15,404	16,601	17,664

Of those with defective eyesight, 1,470 (734 boys and 736 girls) were recommended for refraction or for re-test.

HEARING.

Result of Hearing Test.

	No. and percentage.				
	1957.			1956.	1955.
	Boys.	Girls.	Totals.	Totals.	Totals.
Normal	7,824	7,452	15,276	16,465	17,541
	(99·2)	(99·1)	(99·2)	(99·2)	(99·3)
Defective—					
Grade I, for ordinary class ...	20	20	40	40	36
	(0·2)	(0·3)	(0·2)	(0·2)	(0·2)
Grade IIa, for front seat ...	5	8	13	25	10
	(0·1)	(0·1)	(0·1)	(0·1)	(0·0)
Grade IIb, for class for semi-deaf ...	26	27	53	54	54
	(0·3)	(0·3)	(0·3)	(0·3)	(0·3)
Grade III, for deaf class	8	14	22	17	23
	(0·1)	(0·2)	(0·1)	(0·1)	(0·1)
	7,883	7,521	15,404	16,601	17,664

84 of the above children (38 boys and 46 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 1956-57 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	379	344	137	140	516	484
Average age (in months beyond year of age)	6·61	5·66	6·58	6·54	6·60	5·91
Height (in inches)	67·81	63·91	66·97	63·30	67·58	63·74
Weight (in pounds)	137·15	123·82	134·18	122·30	136·36	123·38

PUPILS IN OTHER AGE-GROUPS.

On page 57 is a table showing the averages of 5, 9 and 13 year-olds in 1957 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 1948. 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. Highest place was attained in five of the six columns ; in the remaining column, weight of " non-transferred " boys, a slight drop to the second highest position was recorded.

(b) GIRLS. Highest place was reached in each of the six columns ; a remarkable advance, particularly in respect of the height average.

(2) PUPILS AGED NINE YEARS.

(a) BOYS. Highest place was attained in each series.

(b) GIRLS. Highest place was also attained in each series.

(3) PUPILS AGED THIRTEEN YEARS.

(a) BOYS. Consistent advance year after year in this age-group was again maintained ; highest place was reached in each column.

(b) GIRLS. Highest place in each column was also reached —for the second successive year.

(4) In each relative group the average measurement in 1957 was higher than the highest average in any year prior to 1956.

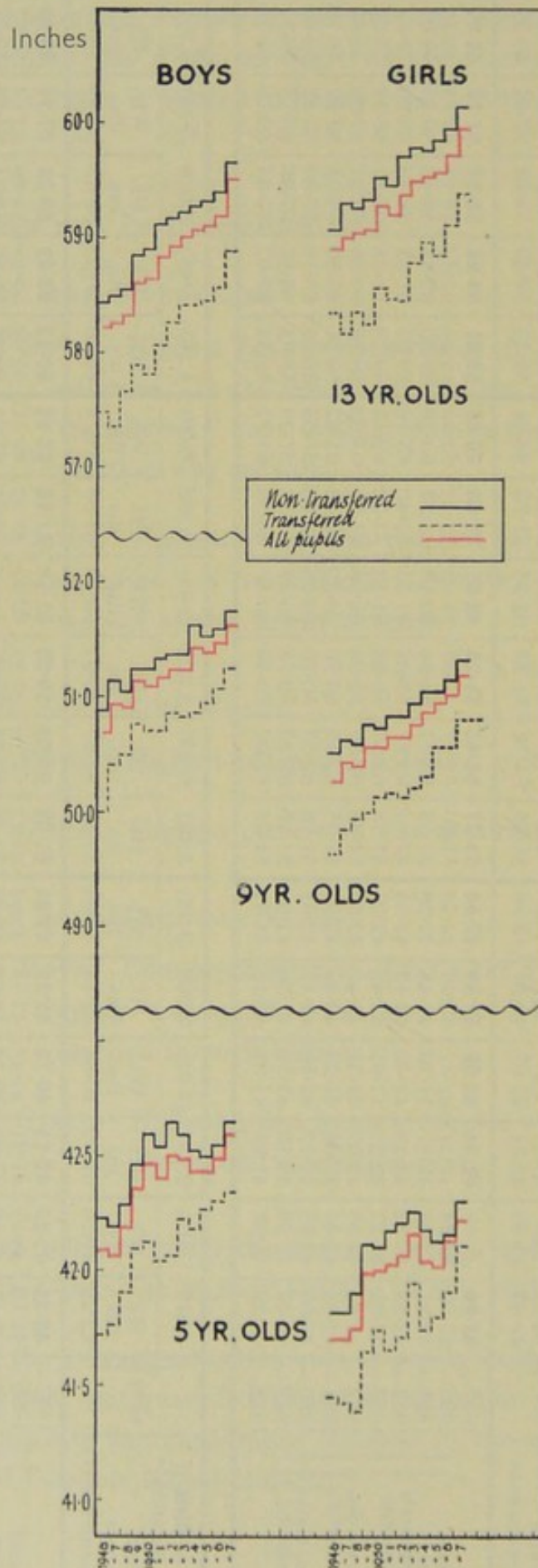
Graphs of the average measurements of pupils, in three age-groups, for each of the post-war years from 1946 are shown on pages 58 and 59 and clearly illustrate the continuous increase in the average heights and weights of Glasgow school children.

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)*	1957																	
Actual Average Measurements	5,617	(3-49)	2,792	(3-95)	8,409	(3-64)	5,400	(5-77)	2,431	(5-74)	7,831	(5-76)	4,903	(5-58)	1,917	(5-59)	6,820	(5-58)
	42-58	42-50	42-34	42-07	42-54	42-36	51-89	64-78	51-36	62-95	51-73	64-21	59-77	94-69	58-98	92-04	59-29	93-95
	42-66	<i>42-62</i>	42-35	42-08	42-59	42-44	51-77	64-43	51-24	62-61	51-60	63-86	59-66	94-24	58-87	91-58	59-47	93-49
Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 9 yrs. 5 mths., and 13 yrs. 5 mths. respectively)	42-56	42-64	<i>42-31</i>	<i>41-87</i>	42-48	<i>42-38</i>	51-60	<i>63-97</i>	<i>51-08</i>	<i>62-13</i>	<i>51-45</i>	<i>63-42</i>	<i>59-39</i>	<i>92-85</i>	<i>58-56</i>	<i>89-83</i>	<i>59-13</i>	<i>91-91</i>
	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	<i>51-63</i>	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
	<i>42-65</i>	42-30	42-07	41-31	<i>42-49</i>	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	50-75	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
No. of Girls & Age (months)*	1957																	
Actual Average Measurements	5,315	(3-67)	2,654	(3-91)	7,969	(3-75)	5,181	(6-13)	2,322	(5-99)	7,503	(6-09)	4,563	(5-48)	2,028	(5-44)	6,591	(5-47)
	42-26	41-15	42-02	40-65	42-18	40-99	51-52	63-67	50-97	62-10	51-35	63-18	60-20	100-25	97-49	59-97	99-40	
	42-31	41-23	42-11	40-79	42-22	41-04	51-32	63-09	50-80	61-59	51-16	62-62	60-13	99-81	97-10	59-90	98-98	
Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 9 yrs. 5 mths., and 13 yrs. 5 mths. respectively)	42-16	<i>41-17</i>	41-91	<i>40-47</i>	42-13	<i>40-94</i>	<i>51-17</i>	<i>62-76</i>	<i>50-57</i>	<i>60-57</i>	<i>50-99</i>	<i>62-11</i>	<i>59-94</i>	<i>97-92</i>	<i>95-24</i>	<i>59-67</i>	<i>97-12</i>	
	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	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	93-34	59-48	95-41	
	<i>42-26</i>	40-73	<i>41-95</i>	40-13	<i>42-16</i>	40-54	50-94	60-89	50-22	58-66	50-73	60-24	59-76	94-87	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	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	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	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	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	89-87	58-98	91-58	

* Beyond years of age given at head of sections.

AVERAGE HEIGHTS IN POST WAR PERIOD



AVERAGE WEIGHTS IN POST-WAR PERIOD

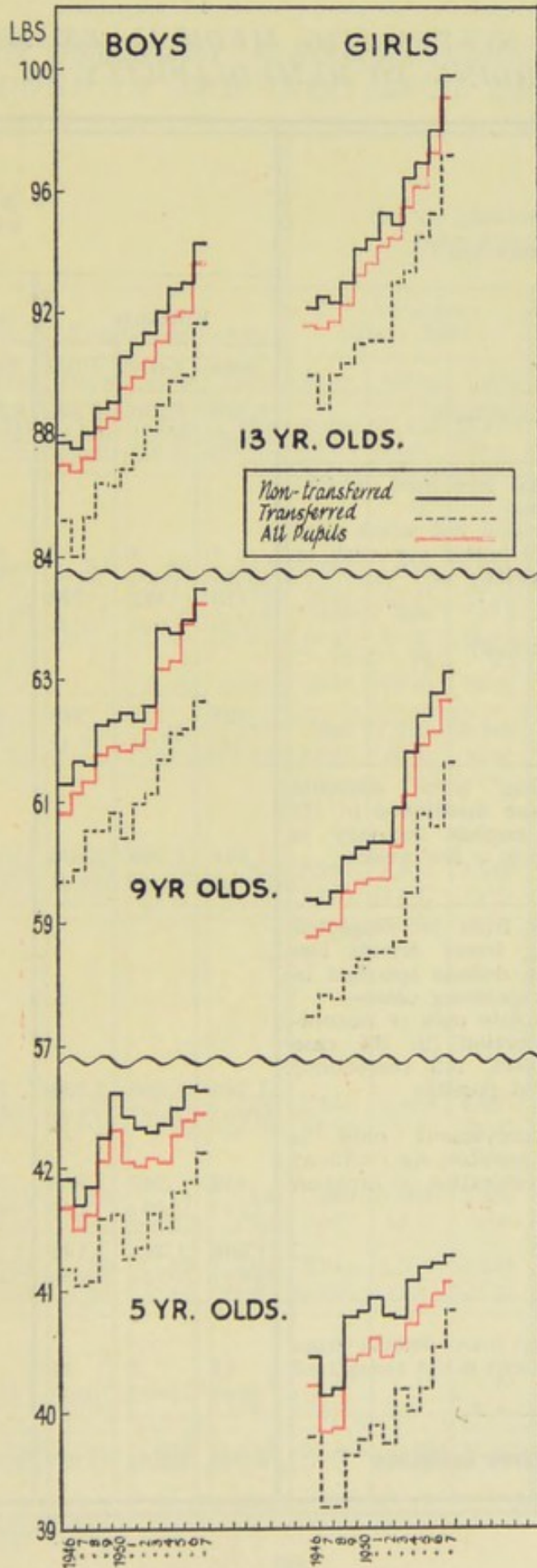


TABLE III.—SYSTEMATIC MEDICAL EXAMINATION OF ACCORDING TO REMEDIABILITY OF THE MAJOR

CLASSIFICATION	NO. OF CHILDREN EACH GROUP (AND					
	Entrants			Second Age Group		
	Boys	Girls	Total	Boys	Girls	Total
I. Children free from defects	5,379 (59.4)	5,250 (61.2)	10,629 (60.3)	6,279 (67.4)	6,009 (65.4)	12,288 (66.4)
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	5 (0.1)	3 (0.0)	8 (0.0)	617 (6.6)	643 (7.0)	1,260 (6.8)
(b) Oral Sepsis	118 (1.3)	122 (1.4)	240 (1.4)	74 (0.8)	95 (1.0)	169 (0.9)
(c) Both (a) and (b)	—	—	—	6 (0.1)	3 (0.0)	9 (0.0)
Totals	123 (1.4)	125 (1.5)	248 (1.4)	697 (7.5)	741 (8.1)	1,438 (7.8)
III. Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks ...	1,844 (20.4)	1,756 (20.5)	3,600 (20.4)	1,164 (12.5)	1,225 (13.3)	2,389 (12.9)
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	1,240 (13.7)	1,096 (12.8)	2,336 (13.2)	770 (8.3)	815 (8.9)	1,585 (8.6)
(b) Where improvement only is considered possible, e.g., without complete restoration of function	458 (5.1)	347 (4.0)	805 (4.6)	396 (4.3)	390 (4.2)	786 (4.2)
Totals	1,698 (18.7)	1,443 (16.8)	3,141 (17.8)	1,166 (12.5)	1,205 (13.1)	2,371 (12.8)
V. Children suffering from defects from which improvement is not considered possible	15 (0.2)	2 (0.0)	17 (0.1)	9 (0.1)	5 (0.1)	14 (0.1)
Total numbers of children examined ...	9,059	8,576	17,635	9,315	9,185	18,500

* Includes 748 children

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

EXAMINED IN PERCENTAGES).						NO. OF CHILDREN EXAMINED (AND PERCENTAGES).				
Third Age Group			Fourth Age Group			* All Ages Totals, 1957			Totals, 1956	Totals, 1955
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total		
5,811 (73.0)	5,399 (69.4)	11,210 (71.3)	557 (75.3)	479 (77.9)	1,036 (76.5)	18,254 (66.6)	17,424 (65.6)	35,678 (66.1)	33,343 (64.8)	32,471 (65.5)
607 (7.6)	689 (8.9)	1,296 (8.2)	87 (11.8)	56 (9.1)	143 (10.6)	1,337 (4.9)	1,414 (5.3)	2,751 (5.1)	2,322 (4.5)	2,350 (4.7)
41 (0.5)	108 (1.4)	149 (0.9)	5 (0.7)	8 (1.3)	13 (1.0)	239 (0.9)	336 (1.3)	575 (1.1)	592 (1.1)	725 (1.5)
4 (0.1)	8 (0.1)	12 (0.1)	—	1 (0.2)	1 (0.1)	10 (0.0)	12 (0.0)	22 (0.0)	27 (0.1)	47 (0.1)
652 (8.2)	805 (10.4)	1,457 (9.3)	92 (12.4)	65 (10.6)	157 (11.6)	1,586 (5.8)	1,762 (6.6)	3,348 (6.2)	2,941 (5.7)	3,122 (6.3)
697 (8.8)	799 (10.3)	1,496 (9.5)	41 (5.5)	28 (4.6)	69 (5.1)	3,791 (13.8)	3,854 (14.5)	7,645 (14.2)	7,860 (15.3)	7,029 (14.2)
390 (4.9)	467 (6.0)	857 (5.4)	25 (3.4)	29 (4.7)	54 (4.0)	2,446 (8.9)	2,445 (9.2)	4,891 (9.1)	4,959 (9.6)	4,690 (9.5)
400 (5.0)	301 (3.9)	701 (4.5)	24 (3.2)	14 (2.3)	38 (2.8)	1,298 (4.7)	1,065 (4.0)	2,363 (4.4)	2,345 (4.6)	2,240 (4.5)
790 (9.9)	768 (9.9)	1,558 (9.9)	49 (6.6)	43 (7.0)	92 (6.8)	3,744 (13.7)	3,510 (13.2)	7,254 (13.4)	7,304 (14.2)	6,930 (14.0)
5 (0.1)	6 (0.1)	11 (0.1)	1 (0.1)	—	1 (0.1)	30 (0.1)	15 (0.1)	45 (0.1)	39 (0.1)	35 (0.1)
7,955	7,777	15,732	740	615	1,355	27,405	26,565	53,970	51,487	49,587

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"—18,067 children were presented for "non-routine" inspection (generally on account of defect observed or suspected by teachers); 15,995 of these were pupils in ordinary schools and 2,072 in special schools.

Some of these children were found on examination to have more than one defect. The individual results were; nits minor, 918; nits major and/or vermin, 340; skin conditions, 1,526; eye conditions (including defective vision), 5,204; ear, nose and throat defects, 1,749; "general" defects, 6,760; defective teeth, 375; no apparent disease, 292; and other causes, 1,264.

RE-INSPECTION BY MEDICAL OFFICERS OF "ABNORMALS."—The total number of re-inspections was, 25,563. Of these, 11,413 (44·6 per cent.) were found to be receiving treatment at the school clinics, 6,534 (25·6 per cent.) were being treated elsewhere, 4,825 (18·9 per cent.) did not require treatment, and 2,791 (10·9 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 73).

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—10,426 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, 1957).*

	Boys		Girls	
	Preliminary Inspection	Final Inspection	Preliminary Inspection	Final Inspection
	No. and %	No. and %	No. and %	No. and %
Fit	2,828 (90.2)	3,063 (98.5)	1,885 (81.9)	2,282 (97.0)
*Fit?	285 (9.1)	—	403 (17.5)	—
Unfit	21 (0.7)	46 (1.5)	14 (0.6)	70 (2.9)
Totals ...	3,134	3,109	2,302	2,352

* Doubtful fitness at preliminary inspection.

(ii) *Children for Harvesting Camps (October, 1956).*

	Boys		Girls	
	Preliminary Inspection	Final Inspection	Preliminary Inspection	Final Inspection
	No. and %	No. and %	No. and %	No. and %
Fit	657 (81.8)	684 (95.8)	—	—
*Fit?	96 (12.0)	—	—	—
Unfit	50 (6.2)	30 (4.2)	—	—
Totals ...	803	714	—	—

* Doubtful fitness at preliminary inspection.

APPENDIX IIIc.—CLEANLINESS INSPECTION IN SCHOOLS BY NURSES.

See Report for 1954, page 85.

Cleanliness inspectresses recorded a further improvement among children seen at first inspections, but not for re-inspection cases. The returns of nurse inspectresses showed improved percentages for those seen at general inspections.

Cleanliness Inspectresses of the School Health Service.

	Boys.		Girls.	
	1957.	1956.	1957.	1956.
<i>First Inspections.</i>				
Examined ...	57,756	53,761	60,650	55,283
Infested ...	543 (0.9)	654 (1.2)	2,163 (3.6)	1,975 (3.6)
Infected ...	2,140 (3.7)	2,239 (4.2)	7,451 (12.3)	7,870 (14.2)
<i>Re-Inspections.</i>				
Examined ...	12,362	15,853	27,083	32,481
Infested ...	616 (5.0)	672 (4.2)	3,351 (12.4)	3,264 (10.0)
Infected ...	3,270 (26.5)	3,942 (24.9)	12,232 (45.2)	14,005 (43.1)

In 534 instances, formal notices to cleanse children within 24 hours were issued, mainly by Cleanliness Inspectresses and Senior Woman Assistants. On re-inspection, 141 were found to have been cleansed at home by the parents and 139 to have been compulsorily disinfested at school or clinic.

Under Section 52 of the Education (Scotland) Act, 1946, 50 cases in respect of 45 parents were referred to the Procurator Fiscal during the course of the year. Of that total 2 were admonished, 2 were deferred, and on the remainder fines were imposed as follows :—1 of £5, 3 of £2, 27 of £1 and 10 of 10s.

Nurse Inspectresses of the Sanitary Divisions.

	Boys.		Girls.	
	1957.	1956.	1957.	1956.
<i>General Inspections.</i>				
Examined ...	50,203	51,442	46,696	48,027
Infested ...	75 (0.1)	84 (0.2)	157 (0.3)	195 (0.4)
Infected ...	4,474 (8.9)	4,863 (9.5)	11,152 (23.9)	11,756 (24.5)
<i>Re-Inspections.</i>	10,462	8,859	19,329	18,487

The Nurse Inspectresses also visited 3,826 houses and re-visited 403. They issued 173 formal printed notices to parents to cleanse the children within 24 hours, and reported that 5 children had been cleansed at clinics and 7,209 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) ...	88·7%	71·7%	85·3%	71·2%
All selected schools	90·0%	75·0%	90·1%	78·6%

In the *six original schools* a considerable improvement was noted at first inspection; the percentage for boys having been exceeded once only since the scheme was initiated in 1941 and that for the girls being the best ever recorded. At the final inspection, the boys showed some deterioration but the girls were improved, their percentage having been exceeded, in fact, only twice previously.

For *all selected schools* the percentages were the best ever, except in respect of the boys at second inspection, but the figure here had, however, been exceeded only once before.

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, 1956 and 1957 which were the first, second, third and fourth 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
School Year 1956/57	93·5	78·7	96·3	85·0

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	9	—	37	46
2. PARTIALLY SIGHTED—				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	22	—	—	22
(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	47	—	—	47
3. DEAF—Grade IIB	88	—	—	88
Grade III	107	—	3	110
4. DEFECTIVE SPEECH				
(a) Defects of articulation requiring special educational measures	1	—	—	1
(b) Stammering requiring special educational measures				
5. MENTALLY HANDICAPPED— (Children between 5 and 16 years)—				
(a) Educable (I.Q. approx. 50-70)	2,902	—	150	3,052
(b) Ineducable (I.Q. generally less than 50)	462	146	83	691
6. EPILEPSY—				
(a) Mild and occasional	56	—	12	68
(b) Severe (suitable for care in a residential school)				
7. PHYSICALLY HANDICAPPED— (Children between 6 and 16 years)—				
(a) Non - pulmonary tuberculosis (excluding cervical glands)	64	*4	—	68
(b) General orthopaedic conditions	180	*17	44	241
(c) Organic heart disease	24	*6	—	30
(d) Other causes of ill-health	121	*20	41	182

* Home Tuition cases.

8. MULTIPLE DEFECTS (included in the figures on the previous page)—

Pupils attending special schools or classes :—

(a) *Mentally handicapped (ineducable)*

and physically handicapped :

(i) blind	...	...	...	...	...	1
(ii) partially sighted	...	...	...	...	...	12
(iii) deaf	...	...	...	...	...	1
(iv) partially deaf	...	...	...	...	...	7
(v) epilepsy	...	...	...	...	...	37
(vi) cerebral palsy	...	...	...	...	...	36
(vii) other causes of ill-health	...	...	...	...	...	63

(b) *Mentally handicapped (educable)*

and physically handicapped :

(i) blind	...	...	...	...	...	—
(ii) partially sighted	...	...	...	...	...	4
(iii) deaf	...	...	...	...	...	8
(iv) partially deaf	...	...	...	...	...	53
(v) epilepsy	...	...	...	...	...	34
(vi) cerebral palsy	...	...	...	...	...	15
(vii) other causes of ill-health	...	...	...	...	...	123

(c) *Other multiple defects* 196

TABLE V.—DENTAL INSPECTION AND TREATMENT.

DENTAL INSPECTION.

(1) NUMBER OF CHILDREN INSPECTED BY THE DENTAL OFFICERS.	1957			1956	1955
	System- atic Exam- inations	Other Cases	Totals	Totals	Totals
AGE					
4	17	—	17	28	21
5	4,701	—	4,701	4,533	4,718
6	5,481	—	5,481	5,067	5,920
7	5,125	—	5,125	5,275	6,760
8	5,537	—	5,537	5,791	6,251
9	6,048	—	6,048	5,805	5,638
10	5,875	—	5,875	4,550	5,540
11	4,768	—	4,768	4,804	4,440
12	1,772	—	1,772	2,902	3,096
13	293	—	293	1,867	1,829
14	330	—	330	1,647	1,745
15	21	—	21	145	405
16	—	—	—	—	27
Totals	39,968	—	39,968	42,414	47,390
(1A). No. of schools in- spected	82	—	82	75	86
(1B). Half-days spent at inspection	209	—	209	219	218
(2). Found to require treatment	32,359 (81.0%)	—	32,359 (81.0%)	33,493 (80.0%)	37,659 (79.5%)
(2A). Number of children accepting treatment	10,880 (33.6%)	—	10,880 (33.6%)	11,964 (35.7%)	14,189 (37.7%)
(2B). Cards not returned or returned blank ...	842 (2.6%)	—	842 (2.6%)	1,059 (3.2%)	957 (2.5%)
(2C). Promised private treatment	20,637 (63.8%)	—	20,637 (63.8%)	20,470 (61.1%)	22,513 (59.8%)

DENTAL TREATMENT.

	1957			1956	1955
	System- atic Exam- inations.	Other* Cases.	Totals.	Totals.	Totals.
(3) Actually treated by the school dental officers	10,864	5,671	16,535	17,591	20,094
(3A) Number of the above cases where treatment was completed ...	6,560 (60.4%)	3,175 (55.9%)	9,735 (58.9%)	10,020 (60.0%)	11,766 (58.5%)
(4) Number of attendances for treatment	34,101	18,338	52,439	52,004	56,729
(4A) Attendances, but treatment not given	1,178	840	2,018	2,116	2,286
(5) Fillings—					
(a) Permanent teeth ...	11,521	6,267	17,788	17,642	17,869
(b) Temporary teeth ...	1,875	548	2,423	2,497	2,598
(6) Extractions—					
(a) Permanent teeth—					
Without anaesthetic	2	1	3	8	1
With local anaesthetic	1,927	2,785	4,712	4,542	4,902
With general anaesthetic ...	318	376	694	465	541
(b) Temporary teeth—					
Without anaesthetic	5	6	11	21	36
With local anaesthetic	12,874	5,586	18,460	18,838	22,567
With general anaesthetic ...	662	412	1,074	806	812
(7) Number of administrations of general anaesthetic for extractions ...	174	151	325	214	257
(8) Other operations—					
(a) Permanent teeth—					
Scalings ...	824	450	1,274	1,187	1,729
Gum treatment ...	275	284	559	472	487
Silver nitrate dressings	297	141	438	321	473
Temporary fillings ...	2,628	1,874	4,502	4,295	4,172
Others ...	1,573	1,245	2,818	2,768	2,951
(b) Temporary teeth—					
Scalings ...	3	4	7	3	—
Gum treatment ...	93	72	165	91	70
Silver nitrate dressings	3,519	904	4,423	4,128	4,897
Temporary fillings ...	166	92	258	257	264
Others ...	849	161	1,010	483	319

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

	1957			1956	1955
	Systematic Examinations.	Other Cases.	Totals.	Totals.	Totals.
(9) Half-days devoted to inspection ...	209	—	209	219	218
Half-days devoted to treatment ...	4,575	1,999	6,574	6,652	6,797
Half-days devoted to orthodontic treatment	Not available		550	522	550
(10) Half-days devoted to dentures, X-rays, etc.	Not available		180	45	—
(11) Number of children treated under private arrangements ...			Not known		
(12) Ratio of fillings to extractions (permanent teeth only) ...	512 : 100	198 : 100	328 : 100	351 : 100	328 : 100

Orthodontic treatment—362 cases were treated, 116 being completed ; attendances totalled 4,153 and there were 4 attendances without treatment being given. Treatment included : appliances—first impression, 360 ; progress impression, 1,095 ; insertions—first, 180 ; subsequent, 609 ; total, 789. Adjustments numbered 1,250, and 221 other operations were performed.

Other work—Crowns, 10 ; artificial dentures, 160 ; root treatments, 52 (including 19 septic) ; special operations, 1 ; X-ray examinations, 347 ; gold inlays, 4 ; large incisal edge restorations, 20.

AGE DISTRIBUTION OF " OTHER CASES."

Age in years ...	1	2	3	4	5	6	7	8
Number treated ...	1	18	92	190	371	420	413	526
Age in years ...	9	10	11	12	13	14	15	16 or over
Number treated ...	711	567	439	546	709	523	117	28

TOTAL 5,671

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 1957	Cases 1956	Cases 1955
Systematic Examinations (<i>page 38</i>) ...	53,970	51,487	49,587
Systematic Examinations— Special Schools (<i>page 38</i>)	1,175	1,081	1,025
Other Examinations in Schools (<i>page 39</i>) ...	75,416	77,671	71,449
Other Examinations mainly in Clinics (<i>page 39</i>)	33,426	34,898	36,176
Cleanliness Examinations (<i>page 39</i>) ...	157,851	157,378	157,789
Dental Inspections (<i>page 67</i>)	39,968	42,414	47,390
Totals ...	361,806	364,929	363,416

B. TREATMENT.

Disease or Defect.	Cases.			Attendances.		
	1957	1956	1955	1957	1956	1955
<i>(a) MINOR AILMENTS—</i>						
EAR—						
Examined only ...	907	996	1,119	} 28,460	31,483	36,927
Clinic Treatment ...	1,915	1,937	1,869			
Aurists' Examinations	1,273	1,348	1,395			
Aurists' Classifications	49	33	344	49	33	356
Audiometric Surveys	1,064	1,240	1,240	1,069	1,246	1,245
<i>(page 19)</i>	5,208	5,554	5,967	30,851	34,110	39,923
EYE <i>(page 21)</i>	2,376	2,422	2,283	18,508	18,561	17,840
SKIN—						
Cuts, minor injuries, etc.	4,125	3,942	3,509	} 109,878	107,973	102,415
Clinic Treatment ...	11,729	11,054	11,036			
Cleansing Clinics ...	301	322	322			
Ringworm.—Head ...	22	27	26	22	27	26
Body ...	49	34	46	<i>Included under "Clinic Treatment" above</i>		
Scabies Baths ...	*(1,341)	*(647)	*(243)	8,216	3,899	1,512
<i>(page 22)</i>	16,226	15,379	14,939	118,637	112,491	104,517
<i>(b) DEFECTIVE VISION</i>						
Clinic Treatment ...	9,616	8,809	9,669	11,007	10,098	11,148
Spectacles supplied ...	5,640	5,236	5,756	7,713	6,851	6,891
<i>(page 23)</i>	15,256	14,045	15,425	18,720	16,949	18,039

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

Disease or Defect.	Cases.			Attendances.		
	1957	1956	1955	1957	1956	1955
(c) <i>EAR, NOSE AND THROAT—</i>						
Aurists' Examinations	1,072	538	—	1,130	558	—
Tonsils and Adenoids Operations ...	1,384	1,304	2,020	4,623	3,705	6,584
Other Operations ...	52	26	10	52	26	10
(page 24)	2,508	1,868	2,030	5,805	4,289	6,594
(d) <i>ORTHOPAEDIC—</i>						
Examined only ...	1,523	1,533	1,367	1,523	1,533	1,367
Treated by Exercises	803	814	767	15,184	16,143	16,544
Treated in Spastic Unit	38	30	30	3,680	3,123	1,321
(page 26)	2,364	2,377	2,164	20,387	20,799	19,232
(e) <i>OTHER DISEASES—</i>						
General ...	6,243	6,115	6,310	18,150	18,168	17,171
Supply of Medicines	1,783	2,032	2,329	13,710	15,697	15,867
Artificial Light ...	1,755	1,722	1,908	22,962	21,202	24,058
Cardiac Cases ...	136	144	177	304	345	355
(page 28)	9,917	10,013	10,724	55,126	55,412	57,451
(f) <i>DENTAL—</i>						
Ordinary ...	16,535	17,591	20,094	54,457	54,120	59,015
Orthodontic ...	362	345	249	4,157	4,064	3,928
(page 68)	16,897	17,936	20,343	58,614	58,184	62,943
(g) <i>REMAND HOME</i> ... (page 78)	128	215	338	128	215	338
(h) <i>DEFECTIVE SPEECH</i> ... (pages 79 to 81)	1,157	1,042	1,123	14,739	9,685	9,722
(i) <i>OCCUPATIONAL THERAPY</i> ... (page 28)	23	27	—	1,189	1,520	—
TOTALS ...	72,060	70,878	75,087	342,704	332,215	332,671

APPENDIX VII.—NURSERY SCHOOLS AND DAY NURSERIES.

See Report for 1954, page 99.

At the end of July, 1957, the Education Department was responsible for the administration of 41 Nursery Schools having places for 1,603 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, 1957, children to the number of 997 (486 boys and 511 girls) were subjected to "routine inspection," 2,072 were medically examined at the request of teachers, and 17 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 44 for full details of headings).

Nature of defects found	1957			1956	1955
	Boys.	Girls.	Totals.	Totals.	Totals.
Unsatisfactory clothing	—	2	2 (0.2%)	3 (0.3%)	2 (0.2%)
Uncleanliness of head (nits) ...	10	33	43 (4.3%)	23 (2.5%)	23 (2.4%)
Skin conditions of head or body ...	24	20	44 (4.4%)	43 (4.7%)	38 (4.0%)
Defective nutrition	11	7	18 (1.8%)	34 (3.7%)	29 (3.1%)
Mouth and teeth unhealthy	2	1	3 (0.3%)	8 (0.9%)	13 (1.4%)
Naso-pharyngeal conditions	73	71	144 (14.4%)	159 (17.2%)	157 (16.6%)
Eye diseases (excluding defective vision)	5	5	10 (1.0%)	14 (1.5%)	9 (1.0%)
Defective vision	18	20	38 (3.8%)	39 (4.2%)	47 (5.0%)
Ear diseases (including defective hearing)	2	2	4 (0.4%)	5 (0.5%)	5 (0.5%)
Defective Speech	6	7	13 (1.3%)	15 (1.6%)	22 (2.3%)
Mental and nervous conditions ...	2	1	3 (0.3%)	3 (0.3%)	1 (0.1%)
Defects of circulatory system	7	8	15 (1.5%)	9 (1.0%)	13 (1.4%)
Pulmonary conditions	43	36	79 (7.9%)	83 (9.0%)	70 (7.4%)
Deformities	25	11	36 (3.6%)	36 (3.9%)	21 (2.2%)
Other diseases or defects	17	10	27 (2.7%)	21 (2.3%)	26 (2.7%)

(ii) *Classification of Children according to Remediability of Major Defects Found in the Individual Child (see Table III, page 60, for full details of headings).*

Classification.	1957			1956	1955
	Boys.	Girls.	Totals.	Totals.	Totals.
Free from defects	297	350	647 (64.9%)	550 (59.5%)	604 (63.8%)
Defects of mouth and teeth only	3	1	4 (0.4%)	5 (0.5%)	8 (0.8%)
Temporary ailments	111	106	217 (21.8%)	260 (28.1%)	221 (23.3%)
"Curable" defects	43	40	83 (8.3%)	68 (7.4%)	86 (9.1%)
"Improvable" defects	32	14	46 (4.6%)	40 (4.3%)	28 (3.0%)
Defects "not improvable" ...	—	—	—	1 (0.1%)	—
Totals	486	511	997	924	947

(iii) *Additional Information.*

Parents were notified of defects found in 338 instances, 78 (7.8 per cent.) of these being due to clothing, cleanliness, or minor dental defects, and 260 (26.0 per cent.) being in respect of other defects. School Medical Officers also noted 70 cases (7.0 per cent.) for re-inspection as a result of defects observed in clothing or cleanliness, or for minor dental defects, and 317 children (31.8 per cent.) having other defects. "Sound teeth" was recorded in 832 cases (83.3 per cent.), 728 pupils (72.9 per cent.) were recorded as having had complete diphtheria immunisation and 535 (53.5 per cent.) as having been successfully vaccinated or re-vaccinated. The age distribution of the children at the date of inspection was 1 year, 1 ; 2 years, 304 ; 3 years, 447 ; 4 years, 243 ; 5 years, 2.

INSPECTION OF NON-ROUTINE CASES.

Children to the number of 2,072 were presented for inspection on account of defects observed or suspected by teachers. The individual results were as follows :—

Nits, 4 ; skin conditions, 143 ; eye conditions, 378 ; ear, nose and throat defects, 118 ; "general" defects, 1,050 ; defective teeth, 25 ; no apparent disease, 304 ; and other causes, 68.

RE-INSPECTION OF "ABNORMAL" CASES.

17 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 15th October to 5th December, 1956, and the results are given below with relative figures for the two previous years.

	1956.	1955.	1954.
Total schools visited ...	104	112	114
Total forms issued ...	14,745	15,259	20,995
Parental consents granted ...	12,044	12,999	15,695
Total absent ...	335	580	705
Total number tested ...	11,709	12,419	14,990

MANTOUX RESULTS

	1956.			1955.	1954.
	Boys.	Girls.	Total.	Total.	Total.
Positive ...	1,716	1,804	3,520	4,107	5,932
Negative ...	3,824	4,365	8,189	8,147	9,059

VACCINATIONS

	1956.			1955.	1954.
	Boys.	Girls.	Total.	Total.	Total.
	3,813	4,357	8,170	8,127	9,009

Anglo-Danish Scheme.

Two progress reports on each of the 16 children who went to Vordingborg in September, 1956, were received in December, 1956 and in March, 1957, from the National Association for the Prevention of Tuberculosis. The children returned home in the latter month and were examined shortly thereafter by a School Medical Officer who found them all physically improved, most of them markedly so. In 3 instances, however, the chest condition had begun to be troublesome again and another child had caught the prevalent influenzal cold; but only one of the four was likely to be off school for a lengthy period. Reports on each of the children were sent to the National Association for the Prevention of Tuberculosis.

Mass Miniature Radiography.

The School Health Service continued to arrange with the Mass Miniature Radiography Centre at Elmbank Street for the X-raying of pupils attending Glasgow schools. In the course of the year, pupils to the number of 7,709 (3,908 boys and 3,801 girls) were examined. Details of the abnormalities found and particulars of the action taken are shown in the following table. The table records only those abnormalities detected on full size films and excludes those recorded from miniature films alone. It will be observed that the numbers recorded as having minor abnormalities were appreciably smaller than in previous years due to a new method of statistical extraction.

ABNORMALITIES FOUND AND ACTION TAKEN BY MASS RADIOGRAPHY UNIT.

	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	Totals
PULMONARY TUBERCULOSIS—													
<i>Reinfection or adult type—</i>													
Active ...	—	—	6	11	1	6	—	1	—	4	7	22	29
Inactive ...	—	—	6	5	—	—	—	—	—	—	6	5	11
<i>First Infection—</i>													
Active Primary ...	—	—	2	1	—	—	—	1	—	—	2	2	4
Other Primary ...	1	4	17	12	—	—	—	—	—	—	18	16	34
OTHER PULMONARY ABNORMALITIES—													
Pulmonary fibrosis ...	—	—	—	1	—	—	—	—	—	—	—	1	1
Pleural thickening ...	—	—	—	2	—	—	—	—	—	—	—	2	2
Bronchiectasis ...	—	—	—	1	—	—	—	—	—	—	—	1	1
CARDIAC DISEASE—													
Acquired ...	—	—	1	2	—	—	—	—	—	—	1	2	3
Totals ...	1	4	32	35	1	6	—	2	—	4	34	51	85

Mass Radiography Campaign—March/April, 1957.

The School Health Service co-operated in this campaign by sending forms to the schools inviting children to submit themselves for X-ray examination. Arrangements, including transportation where necessary were made for children in 81 schools to be X-rayed in accordance with a time-table. The total consents, 12,617, along with the 7,709 children who had been X-rayed under the ordinary scheme at Elmbank Street during the current Session, represented approximately 60 per cent. of the total roll of 33,967 of all the schools concerned. Unfortunately, as the result of the unprecedented response from the populace, the arrangements made by the School Health Service had to be modified to some extent—in a few instances having to be cancelled. Incidentally, 1,738 of the 7,709 X-rayed outwith the special campaign were mantoux positive cases discovered during the earlier B.C.G. campaign or were contacts of cases in school.

Teachers' Sick Pay Regulations.

During the school session, teachers to the number of 5,115 (2,039 males and 3,076 females) were X-rayed out of a total of 6,820 on the roll.

The numbers recalled for large film were 91 men and 105 women, the diagnoses being as shown :—

	Males.	Females.
Active Pulmonary Tuberculosis	1	3
Inactive Pulmonary Tuberculosis (including calcified or fibrotic conditions)	12	15
Inactive Pulmonary Tuberculosis (pleural thickening)	1	1
Inactive Pulmonary Tuberculosis (others) ...	3	1
Bronchiectasis	1	—
Neoplasm	2	—
No apparent defect	71	85
Totals	<hr/> 91	<hr/> 105

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 detailed in last year's Report, Thursday afternoon being reserved for the routine inspection of every child in the Home.

During the year ended 31st July, 1957, 1,163 boys and 106 girls were admitted to the Home and during the same period there were 3,106 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, 114 ; treated at clinic, 11 ; X-rayed, 1 ; removed to hospital, 2.

Under the Mass X-ray Scheme, 14 children were given an X-ray examination.

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	1957	78	6,308	6,386	6,471	115	6,586
	1956	176	8,356	8,532	4,613	95	4,708
	1955	177	8,436	8,613	6,534	231	6,765
Final Injections (completed)	1957	76	4,884	4,960	6,055	463	6,518
	1956	128	7,373	7,501	4,755	375	5,130
	1955	142	7,155	7,297	5,641	684	6,325
Re-inforcing Doses	1957	50	17,805	17,855	137	242	379
	1956	85	20,151	20,236	107	296	403
	1955	117	19,228	19,345	127	404	531
Total number of Injections	1957	204	28,997	29,201	12,663	820	13,483
	1956	389	35,880	36,269	9,475	766	10,241
	1955	436	34,819	35,255	12,302	1,319	13,621

APPENDIX XI.—*SPEECH THERAPY.*

The tables on the following two pages give details of the work over the period. Particulars of the cases treated in the Spastic Unit are given on page 28.

During the summer school vacation, selected physically handicapped children to the number of 13 (7 boys and 6 girls) were treated at home; treatments given amounted to 39.

In the course of a survey of day nurseries by a speech therapist, of the 221 children examined 38 were found to be clear and the remainder gave the following results :—

	Boys.	Girls.	Total.
Multiple Dyslalia	48	38	86
Simple Dyslalia	44	32	76
Idioglossia	9	6	15
Delayed Speech	2	2	4
Stammer	2	—	2
	<hr/>	<hr/>	<hr/>
	105	78	183
	<hr/>	<hr/>	<hr/>

(i) CASES OF SPEECH DEFECT TREATED IN SCHOOLS AND CLASSES FOR THE PHYSICALLY HANDICAPPED DURING THE YEAR ENDED
31ST JULY, 1957.

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 ...	2	4	2	151	102	—	—	—	—	—	—	—	—	—	—	1	1	2	—	
Dyslalia—																				
Multiple	8	13	8	380	178	4	1	—	1	—	—	—	—	—	—	1	2	5	1	
Simple	4	5	3	75	43	1	—	—	—	—	—	—	—	—	—	—	—	3	1	
Idioglossia	3	—	1	28	80	—	—	—	—	—	—	—	—	—	—	—	1	1	1	
Delayed Speech	5	2	1	100	59	1	—	—	—	—	—	—	—	—	—	—	—	1	1	
Cleft Palate ...	2	1	3	27	148	—	—	—	—	—	—	—	—	—	—	—	—	—	1	
Dysphonia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dysphasia ...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	
Dysarthria ...	9	6	5	227	239	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Totals ...	34	31	23	988	849	6	1	—	1	—	—	—	—	—	—	4	4	16	8	
		54		1,837																

Home visits—54.

(ii) CASES OF SPEECH DEFECT (PUPILS IN ORDINARY SCHOOLS) TREATED DURING YEAR ENDED 31ST JULY, 1957.

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	42	144	38	2,011	640	46	8	26	8	—	—	2	1	12	3	59	19		
Dyslalia—																			
Multiple	57	295	123	3,942	1,567	145	70	33	9	1	—	14	5	15	6	96	31		
Simple	37	55	44	621	372	37	34	4	1	—	—	—	3	2	1	13	5		
Idioglossia	3	48	24	530	288	19	11	8	—	—	—	2	3	2	2	15	6		
Delayed Speech	36	16	15	164	156	2	3	—	2	—	—	—	1	2	1	8	8		
Cleft Palate	1	4	10	63	146	—	—	1	2	—	—	—	—	—	3	2	6		
Dysphonia	7	20	10	175	86	—	2	4	2	—	—	2	2	3	—	5	3		
Dysphasia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Dysarthria	—	1	—	7	—	—	—	—	—	—	—	—	—	—	—	1	—		
Totals	183	583	264	7,513	3,255	249	128	76	24	1	—	20	15	36	16	199	78		
		847		10,768															

Home visits—339 ; school visits—517.

APPENDIX XII.—AUDIOMETRIC SURVEYS.

See Report for 1954, page 108.

Because of the replacement-audiometrician appointed just prior to the last annual report, the leeway noted in previous years had now been made up and the Survey was once again operating fully.

A summary of the work done by audiometricians during the year ended 31st July, 1957, is given below. It should be noted that the grossly swollen figure in Col. 7 opposite " Schools visited " was due to the efforts made to overtake the leeway referred to above, which entailed two visits to a number of schools within the year instead of the customary single visit.

	Survey No. VII (Born in 1946)			Survey No. VIII (Born in 1947)			(7) Totals
	(1) Routine (New cases)	(2) Others (New cases)	(3) Retests	(4) Routine (New cases)	(5) Others (New cases)	(6) Retests	
No. " sweep " tested in schools ...	8,417	28	—	13,641	82	28	22,196
No. pure-tone tested (Cols. 2 and 5 in- clude non-routine cases not " swept " but referred direct for pure-tone test- ing)	422	46	30	605	57	15	1,174
Referred to Otologist	292	40	—	448	49	—	829
Schools visited ...	110			198			308

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, 1957.

	Survey No. II		Survey No. III		Survey No. IV		Survey No. V		Survey No. VI		Survey No. VII		Survey No. VIII		Survey No. IX		Totals		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Totals
SUMMONSES—																			
First Examination	—	3	—	4	—	3	—	34	—	99	3	2	301	319	111	90	415	411	826
Re-examination	—	—	—	—	—	—	—	—	—	—	120	89	80	106	3	2	379	340	719
ATTENDANCES—																			
First Examination	—	—	—	—	—	—	—	—	—	—	—	1	216	214	89	73	305	288	593
Re-examination	—	—	—	—	—	—	—	—	—	—	89	62	59	77	3	2	247	224	471
Not examined	—	—	—	—	—	—	—	—	—	—	1	1	1	1	—	—	3	2	5
RECOMMENDATIONS—																			
Clinic treatment (Ear)	—	—	—	—	—	—	—	—	—	—	13	11	65	64	16	10	106	98	204
Clinic treatment (U.V.R., M.I., Dental)	—	—	—	—	—	—	—	—	—	—	2	3	1	1	—	—	3	4	7
Tonsils and adenoids operation	—	—	—	—	—	—	—	—	—	—	13	7	24	35	6	4	60	56	116
Audiogram	—	—	—	—	—	—	—	—	—	—	42	34	65	74	24	6	178	151	329
Specialist examination	—	—	—	—	—	—	—	—	—	—	4	—	11	7	—	1	11	8	19
X-ray examination	—	—	—	—	—	—	—	—	—	—	4	—	5	2	1	—	14	5	19
Hospital treatment	—	—	—	—	—	—	—	—	—	—	1	—	1	1	—	—	6	2	8
Hearing Aid	—	—	—	—	—	—	—	—	—	—	4	2	2	3	—	1	7	8	15
Front seat in class	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	2	3
Lip reading	—	—	—	—	—	—	—	—	—	—	1	2	4	3	1	—	6	6	12
Other recommendations	—	—	—	—	—	—	—	—	—	—	1	1	86	88	31	32	120	122	242
GRADINGS—First examination only—																			
Normal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1—for ordinary class	—	—	—	—	—	—	—	—	—	—	—	—	203	194	84	73	287	267	554
2A—for front seat	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	1
2B—for semi-deaf class	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Not graded meantime	—	—	—	—	—	—	—	—	—	—	—	1	12	20	5	—	17	21	38
Totals	—	—	—	—	—	—	—	—	—	—	—	1	216	214	89	73	305	288	593

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, 87 children (48 boys and 39 girls) had tonsils and/or adenoids removed in one or other of the hospitals.

Audiograms. Audiograms totalling 275 (including retests) were completed during the session at Florence Street Audiometric Clinic.

Hearing Aids. Children to the number of 15 (7 boys and 8 girls) were referred during the year to the Hearing Aid Clinic and 12 (6 boys and 6 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	IX	
Reason for disposal—									
Graded according to degree of deafness	—	—	1	8	28	23	320	122	502
Repeatedly failed to attend	—	—	1	5	12	7	29	1	55
Parent intimated private treatment being obtained ...	—	—	—	1	3	6	34	11	55
Over school age—referred to E.N. and T. Hospital ...	4	—	—	—	2	3	—	—	9
Transferred to other local authorities, institutions, etc.	—	1	—	—	—	3	5	—	9
	4	1	2	14	45	42	388	134	630

APPENDIX XIII.—MORTALITY OF SCHOOL CHILDREN.

*Deaths During Year ended 31st July, 1957,
of Children Aged 5-15 Years.*

Cause of Death	5-10 years		10-15 years		All Ages		1957	1956	1955
	Boys	Girls	Boys	Girls	Boys	Girls	Totals	Totals	Totals
Tuberculosis—									
Respiratory ...	—	—	—	—	—	—	—	3	2
Meningeal ...	2	—	—	1	2	1	3	—	4
Abdominal ...	—	—	—	—	—	—	—	—	—
Others ...	—	—	—	—	—	—	—	—	1
Infectious Diseases—									
Diphtheria ...	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	2	1
Measles ...	—	2	—	—	—	2	2	—	1
Dysentery ...	—	—	—	—	—	—	—	—	—
Chickenpox ...	—	—	—	—	—	—	—	—	—
Others ...	—	1	—	—	—	1	1	1	1
Mental and Nervous Diseases—									
Epilepsy ...	—	1	2	—	2	1	3	3	1
Cerebral Diplegia ...	—	—	—	—	—	—	—	1	1
Meningitis (non-Meningococcal) ...	—	—	—	—	—	—	—	1	—
Others ...	—	—	—	2	—	2	2	7	8
Circulatory Diseases—									
Rheumatic Fever ...	—	—	—	—	—	—	—	2	2
Chronic Rheumatic Heart Disease ...	—	—	—	—	—	—	—	1	2
Other Heart Diseases	—	—	—	—	—	—	—	2	—
Other Circulatory Diseases ...	—	—	—	—	—	—	—	—	1
Respiratory Diseases—									
Influenza ...	—	—	—	—	—	—	—	2	—
Pneumonia ...	—	—	—	—	—	—	—	4	6
Bronchitis ...	1	—	—	—	1	—	1	1	3
Others ...	—	—	—	1	—	1	1	1	1
Digestive Diseases—									
Enteritis and Colitis	—	—	—	—	—	—	—	—	—
Appendicitis ...	3	1	—	1	3	2	5	3	3
Others ...	—	—	—	1	—	1	1	2	2
Violence—									
Road Traffic Accidents ...	7	3	6	1	13	4	17	15	20
Other Violent Causes	13	6	4	2	17	8	25	17	20
Other Diseases—									
Malignant Neoplasms	3	1	2	3	5	4	9	6	9
Benign and Unspecified Neoplasms ...	—	1	1	1	1	2	3	4	2
Diabetes Mellitus ...	—	—	—	—	—	—	—	—	1
Anaemias ...	—	—	—	—	—	—	—	—	—
Congenital Malformations ...	1	—	2	—	3	—	3	5	6
Nephritis and Nephrosis ...	—	—	—	—	—	—	—	3	5
All Other Causes ...	2	2	1	—	3	2	5	1	2
Totals ...	32	18	18	13	50	31	81	87	105

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)	487	74.0	5,453	72.9	12,053	67.4	11,221	65.3	6,464	60.0	35,678	66.1
II Children suffering only from slightly defective vision and/or oral sepsis	42	6.4	411	5.5	1,042	5.8	1,085	6.3	768	7.1	3,348	6.2
III Children suffering from temporary defects (other than in II)	64	9.7	810	10.8	2,434	13.6	2,497	14.5	1,840	17.1	7,645	14.2
IV Children suffering from curable or improvable defects	64	9.7	802	10.7	2,325	13.0	2,370	13.8	1,693	15.7	7,254	13.4
V Children suffering from defects not considered improvable	1	0.2	6	0.1	18	0.1	6	0.0	14	0.1	45	0.1
Total Numbers of Children Examined	658	100.0	7,482	100.0	17,872	100.0	17,179	100.0	10,779	100.0	53,970	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 1 (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, but in Class II only the unusually high percentage for Social Group I upset the progression.