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CORPORATION OF GLASGOW

Health and Welfare Department

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SCHOOL HEALTH SERVICE

REPORT

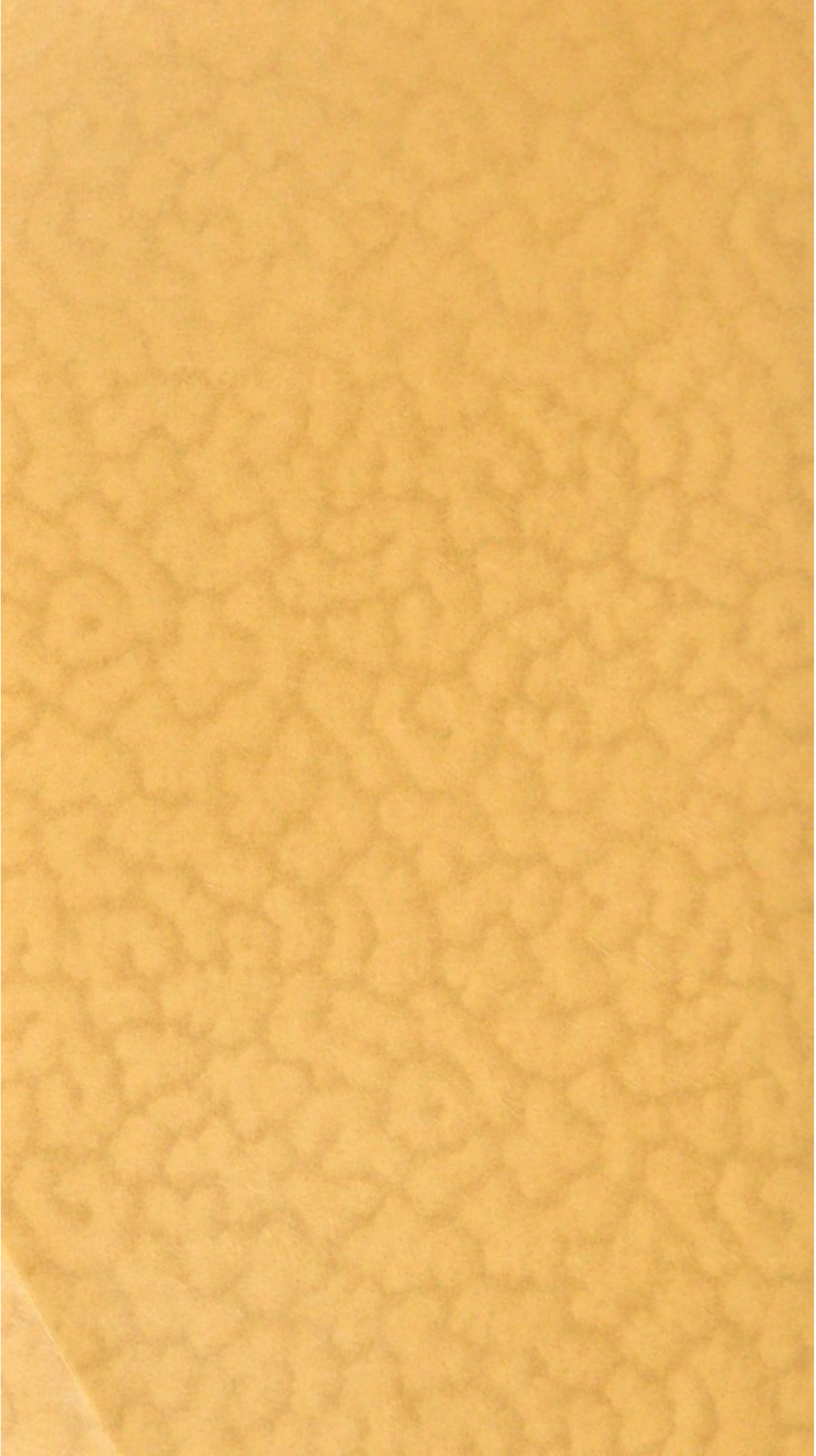
ON THE

**Medical Inspection and Treatment  
of School Children**

FOR THE YEAR ENDED 31st JULY, 1962

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*Ordered by the Committee on Health and Welfare to be printed*





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## GENERAL INTRODUCTION

This Report is the fifty-third since the establishment of medical inspection in Glasgow in the year 1909, the thirty-second since the transfer to the Health Department of the Corporation in 1930 and the twenty-fourth 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. It is also the last Report to be published separately and in its present form. In future a much reduced version will be incorporated with the Medical Officer of Health's Report.

Many staff changes occurred during the period, notably the retirement of Dr. James Ewan, Principal Medical Officer, and the death of Dr. William Mallinson, Assistant Principal Medical Officer.

Dr. Ewan's retiral on 20th June, 1962 marked the conclusion of nearly 37 years' public service, 36 of which were in the School Health Service. He was appointed Principal Medical Officer on 4th March, 1949 and during his tenure of office the pattern of the work was changed in certain respects. Some of the specialities developed during this period were : special cardiology service ; spastic unit ; audiometric survey scheme ; examination of school teachers, school meals' staffs and other adult employees ; supervision of children on home tuition ; B.C.G. campaign ; speech therapy ; nursery schools' supervision ; school eye service (including provision of spectacles) ; asthma clinic ; and co-operation with the hospital board organisation, including the seconding of consultants to school clinics.

The tragic death of Dr. Mallinson on 31st May, 1962, bereft the Service of one difficult to replace. He was Certifying Officer for the Education Authority and his work was generally connected with the ascertainment of mentally handicapped children. He also dealt with Child Guidance problems and assisted at Criminal Courts in cases where mental defect was suspected. As Assistant School Medical Officer from 7th March, 1938, and Assistant Principal Medical Officer from 3rd February, 1955, he was greatly respected and liked by everyone for his wise council, his gentle manner and kind personality.

The untimely death of Mr. David MacLaren, Chief Dental Officer, on 4th February, 1963, is regrettably to be recorded. Mr. MacLaren joined the Service on 1st September, 1938, and was promoted Chief Dental Officer on 17th March, 1960. His sudden death, coming as it did only three years after promotion, is a great loss to the Service which he was gradually reorganising in the light of modern requirements.

The work of Routine Medical Inspection proceeded on much the same lines as usual. Fewer children were systematically examined with the exception of the Infant/Entrant group. The results of inspection were satisfactory, the percentage (53.3) with no discoverable defect being the second best recorded—the best percentage was reached last year. Average heights and weights also showed all round increases.

Cleanliness of school children seen at Routine Medical Inspection by School Medical Officers showed a slight deterioration from last year's figure.

Fewer children were found to be protected against diphtheria (85.6 per cent.) and fewer still against smallpox (54.7 per cent.). In two poliomyelitis campaigns 70,053 doses were given, including 3,284 administered by nurses during the month of June, 1962.

More examinations of adult employees and students on pre-vocational courses were undertaken, a feature being the X-raying of 6,198 fourth-year students.

The defects classed as "others" under the main headings have been analysed with interesting results. In skin diseases—acne vulgaris of the older children and urticaria amongst the younger ones were much in evidence; in "general" conditions—anaemia, debility, obesity, and, among the younger children, enuresis were notable; "deformities," postural kyphosis, pes planis, and defects due to injury were common.

Clinic treatment was reduced. Fewer cases were seen with the exception of those with defective hearing and those with defective vision. Speech therapy was also given to more children and this was due to the improved staffing position. The new scheme for Ear, Nose and Throat cases did not function as it had been hoped. Although slightly more T. and A. operations were performed, the waiting lists were still considerable, particularly for children residing north of the river.

Dental work was affected by shortage of staff. Inspections at school were fewer but more new cases were treated in clinic although the aggregate attendances were reduced.

The schemes for prevention of tuberculosis were satisfactorily carried through and this included the B.C.G. Campaign in schools, X-raying of positive reactors and school teachers.

The diphtheria immunisation "drive" in schools was again successful although fewer inoculations than last year were given.



The audiometric survey scheme functioned successfully throughout the year, the major change being the lowering of the age of the survey children to six years.

Health Visitors continued to lecture on Health Education and on Child Care. They again co-operated with Child Guidance Clinics in home visiting and family case work, finding it necessary, on occasion, to pay evening visits to homes where both parents were working.

A holiday was again provided during the summer at Seafield Residential School, Ardrossan, for otorrhoea and epilepsy cases.

The number of children attending special schools continued to fall. The Child Guidance Clinics dealt with more cases of maladjustment among children during the period. Home tuition cases were the same number as before.

More deaths among school children were recorded compared with last year, violence and malignant neoplasm being mainly responsible for the increase. For the ninth successive year no deaths from diphtheria were recorded.

An additional Appendix (XV) appears in this Report giving details of a survey of the housing conditions of children seen at medical inspection. The information was obtained during the 1960/61 Session but, due to pressure of work, the Hollerith Section was unable to supply the statistics in time. Some interesting facts were revealed by the survey, including the progressive movement of families from smaller to larger houses and the close connection between the average heights and weights of children and the conditions in which they live.

All the usual details in connection with the other schemes for which the Service is responsible are included in this Report.

Finally, I take pleasure in acknowledging the support and interest of the Conveners and members of the Health and Welfare and of the Education Committees, in thanking the Medical Officer of Health and the Director of Education for their assistance and encouragement, the school teachers for their willing co-operation and the members of the School Health Service for their loyalty and collaboration. I would also express my thanks to Mr. James A. Stewart, Assistant Administrative Officer, for his work in collecting and arranging the material for this Report.

T. S. WILSON, M.D., D.P.H., D.I.H., D.P.A.,  
*Principal Medical Officer.*

155 BATH STREET,  
GLASGOW, C.2.  
29th April, 1963.

## 1.—LIST OF STAFF

### (a) Whole-time Staff

#### *Principal Medical Officer*

JAMES T. G. EWAN (retired 20.6.62)  
THOMAS S. WILSON (appointed 21.6.62)

#### *Assistant Principal Medical Officer*

WILLIAM MALLINSON (died 31.5.62)  
MAUD P. MENZIES (appointed 16.8.61)

#### *School Medical Officers*

DORIS M. BEATON (resigned 23.6.62)	ISABEL DAVIDSON
FLORA C. COWAN	MARY M. DUNN
WILLIAM DUCAT (appointed 5.3.62)	BENJAMIN S. GUYER
THOMAS W. F. GEMMELL	JOHN D. LEONARD
ADAM. HENDERSON (retired 30.6.62)	HUGH M. MACFARLANE
STEPHEN LEPPER	GEORGE A. MILLS
MARGARET McKAY	JESSIE W. OGILVIE
ALEXANDER A. MURRAY	ELIZABETH M. PARK (resigned 14.5.62)
FRANCIS J. O'HAGAN	STELLA M. B. PERRY
JAMES M. PARKER	
ANDREW D. CHISHOLM	

#### *Chief Dental Officer*

DAVID MACLAREN

#### *School Dental Officers*

Miss JOYCE H. AITKEN	Mrs. MOIRA WATSON (resigned 26.3.62)
HUGH BRESLIN (resigned 28.4.62)	DOUGLAS BEACHER
Miss HELEN M. GALE (appointed 18.9.61, resigned 7.4.62)	LAURIE S. CAMPBELL
WILLIAM A. W. HOWE	KENNETH C. GORDON
ALASTAIR McCULLY	Miss JANET A. McCANN
Mrs. MARY MACDONALD	Mrs. DOROTHY McDIARMID
Miss MARGARET L. MACDOUGALL (died 11.1.62)	Miss JENNY McPHERSON
Miss MARY F. M. URQUHART (appointed 12.7.62)	ROBERT E. PINKERTON
	Miss ELIZABETH WATSON (retired 16.8.61)
	Miss ELIZABETH M. WEBSTER

#### *Superintendent School Nurse*

Miss JEAN S. FERGUSON

#### *Senior Speech Therapist*

Miss DOROTHY G. McKIRDY

#### *Assistant Administrative Officer*

JAMES A. STEWART



## 2.—GENERAL STATISTICS

Area of City in acres ... ..	39,729
Population of the area ... ..	1,053,100
Density of Population per acre ... ..	26
Number of Schools—	
(a) Primary ... ..	203
(b) Secondary ... ..	77
(c) Schools for Handicapped Children	25
(d) Approved Schools ... ..	2
(e) Residential Schools ... ..	14
(f) Nursery Schools ... ..	42
(g) Hospital Schools ... ..	7
(h) Agricultural Schools ... ..	1
(i) Gardening Schools ... ..	1
Total Schools Under Education Authority ...	372
(j) Schools in receipt of grant and under medical inspection ...	9
	381

There were also 11 Occupational Centres housed in ordinary schools.

The average number of children on the register of all schools was 179,297 and the average number in attendance during the year was 161,499 (90·1 per cent).

## 3.—SANITARY CONDITION OF SCHOOLS

See Report for 1959, page 12.

During the Session, 130 visits were paid to 111 schools for the purpose of general inspection. In the same period, 48 visits were made to 42 kitchens and dining halls where meals for school children were prepared and served.

#### 4.—ORGANISATION AND ADMINISTRATION

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

See Report for 1959, page 12.

##### INSPECTION

Routine Medical Inspection in ordinary schools was given to Entrants-Infants and those born in 1948, 1952 and 1945; nurses tested, for vision only, those born in 1954. In addition Routine Medical Inspection was carried out in schools and classes for handicapped children.

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

##### TREATMENT

A list of the school clinics and 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
80/90 Kinfauns Drive, W.5 ... ..	1	1	1	—	—	1	—
18 Plean Street, W.4 ... ..	1	—	1	—	—	—	—
4 Sandy Road, W.1 ... ..	1	1	1	—	—	—	—
130 William Street, C.3 ... ..	1	1	1	1	—	—	—
91 Denmark Street, N.2 ... ..	1	1	2	—	—	—	—
Hyde Park School, N.1 ... ..	1	1	1	—	—	—	—
15 Glenbarr Street, N.1 ... ..	1	1	4	—	1	1	1
60 Avenuepark Street, N.W. ... ..	1	1	1	—	—	1	—
40 Grovepark Street, N.W. ... ..	1	—	1	—	—	—	—
5 Craiglockhart Street, E.3 ... ..	1	—	—	—	—	—	—
74 Wellhouse Crescent, E.3 ... ..	1	1	—	—	—	—	—
155 Craik 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	—	—	—	—	—
20 Harriet Street, S.3 ... ..	1	1	1	—	—	1	—
Calder Street School, S.2 ... ..	—	—	1	—	—	—	—
26 Florence Street, C.5 ... ..	1	1	2	—	1	1	1
Netherplace Road, S.W.3 ... ..	1	1	1	—	—	—	—
74 Berryknowes Road, S.W.2 ... ..	1	—	—	—	—	—	—
Fairfield School, S.W.1 ... ..	—	—	1	—	—	—	—
St. Anthony's School, S.W.1 ... ..	1	—	—	—	—	—	—
29 Govan Road, S.W.1 ... ..	1	1	1	—	—	—	—

*South Govan Clinic (in St. Anthony's School) was opened in October, 1961, and Cowcaddens Clinic (Grovepark Street) in January, 1962. As a result, the clinics in Broomloan Road, Burnbank and Dobbie's Loan Schools were discontinued.*

*Several Dental Clinics functioned part-time for varying periods during the Session. Cowcaddens Dental Clinic was opened 23rd February, 1962, and functioned on a part-time basis.*

Other treatment facilities provided were as before.

## B. SYSTEM AND EXTENT OF DENTAL INSPECTION AND TREATMENT

See Report for 1959, page 16.

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

The report on the year's work appears on page 31 and the detailed statistics in Table V, page 67.

## C. SCHOOL NURSING AND ARRANGEMENTS FOR FOLLOWING UP

See Report for 1959, page 17.

During the Session, 9 Health Visitors lectured on health education to the older boys and girls in 8 selected schools. In addition, Health Visitors gave lectures on child care in connection with the Duke of Edinburgh Award scheme, 250 girls subsequently receiving the Bronze and Silver Awards. A further 17 girls were given instruction in everyday nursing which enabled them to qualify for the Gold Award. The assistance of 13 Health Visitors was also given to the Child Guidance Service for home visitation and case work and it was found necessary to pay evening visits to homes where both parents were working, or to contact both parents together to gain a better insight into conditions in the home as they affected the child. Extra-mural activities included talks to Parent-Teacher Groups and Guilds.

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

See Report for 1959, page 18.

Details of the annual *B.C.G. vaccination* campaign are given in Appendix VIII, page 78 and particulars of the *diphtheria immunisation* "drive" in schools are shown in Appendix X, page 83. In two *poliomyelitis vaccination* campaigns during the year, 70,053 doses were given. This total included 3,284 oral vaccinations administered by nursing staff during the month of June.

During four weeks in July, 1962, arrangements were made for children suffering from otorrhoea and epilepsy to spend a holiday in

Seafield Residential School, Ardrossan. The numbers accommodated were : from 2nd to 14th July, 24 otorrhoea cases and 28 epileptics ; from 17th to 31st July, 49 otorrhoeas. Escorts numbered 10 and 11 during the respective periods.

In connection with the medical examination of employees and candidates for posts in *School Meals Kitchens*, 1,319 persons were summoned. Of the 1,227 who attended, the results were as follows :—

*New Staff*.—452 were examined, of whom 70 were considered unfit, but 4 of these were later accepted for employment.

*Old Staff*.—775 were examined, 22 of whom were considered unfit, but 9 of these later returned to duty.

Employees and candidates for various other posts were examined with the results given below.

*Dining-room attendants*.—Of 535 candidates examined, 68 were considered unfit but 5 of these were later accepted for employment. 18 of old staff were also examined.

*Van and welfare attendants*.—New staff to the number of 14 and 1 employee were examined, all being considered fit.

*Night watchmen* in the school meals service.—3 were found to be fit after medical examination and X-ray.

*Domestic staff at residential schools*.—7 candidates were examined and passed as fit.

*Part-time supervisors*.—10 were found to be fit for employment.

Other examinations during the year included the medical examination of 743 students on pre-vocational courses and the X-raying of 6,198 fourth-year students. The X-ray results were as follows :—

175 were recalled for large film, 3 persons were found to have active pulmonary tuberculosis and 28 were being kept under observation.

## E. CO-OPERATION WITH OTHER OUTSIDE AGENCIES

See Report for 1959, page 24.

By arrangement with *Glasgow University*, 11 D.P.H. students visited a number of schools and school clinics.

*Infectious disease hospitals* referred 114 children, who were post-pneumonia cases, to the School Health Service clinics for examination and after-care. Of the number reported, 40 failed to appear or intimated that they were receiving private treatment, 7 were found to be requiring no further attention, 9 were dealt with at "general" school clinics and 6 were recommended for convalescent holidays. The remaining 52 were placed on the list for artificial light therapy.

School clinics referred to hospital 555 cases (349 boys and 206 girls), the ailments from which they suffered being as follows :—

<i>Skin—</i>	<i>Boys</i>	<i>Girls</i>
Wounds, etc. (minor injuries) ...	210	107
Fractures ... ..	24	15
Other skin conditions ... ..	47	39
<i>General</i> ... ..	21	22
<i>Eye</i> ... ..	41	18
<i>Ear, Nose and Throat</i> ... ..	6	5
	<hr/>	<hr/>
	349	206
	<hr/>	<hr/>

During the year 241 children were summoned to school clinics for preliminary medical examination and, of the 182 who attended, 169 were considered suitable for admission to *Biggart Hospital Home, Prestwick*.

No request was received from the University Settlement for examination of children for the *Children's Village, Humble*, during the year.

## F. CO-OPERATION WITH TEACHERS AND PARENTS

See Report for 1959, page 118.

The willing co-operation of the teaching staffs was again made available throughout the year and proved invaluable in facilitating the operation of the various schemes relating to the health and well-being of the pupils.



## G. HEALTH EDUCATION

The following note has been supplied by Dr. M. P. Menzies, Assistant Principal Medical Officer :—

“ Health Education continues as a major portion of our work. At every contact with parent and child, by both precept and example, in school and in school clinics, instruction on acquiring and maintaining good health and hygiene is given.

The methods used in these situations are unobtrusive to the casual onlooker because they are all incorporated in the daily work of examining and treating the children by both School Medical Officer and Health Visitor.

However, since our Pilot Experiment in Health Teaching Adolescents, during the year 1960-61, this pattern of talks and discussion groups taking place within the school curriculum has continued and been increased in scope. During this last year nine health visitors have carried out this specialised programme, which is aimed at teaching the adolescent boy and girl to understand the problems of growing up, of working life and later of home-making and parenthood. The content and number of these talks has been altered to suit the varying needs of the school requesting them. This has also permitted a greater number of schools to be covered, at the same time the aim of the original pilot experiment has not been lost ; this was to instruct these young people in such a way that by acquiring knowledge they may be able to meet the stresses and strains of adult life without breakdown.

Altogether eighteen of our health visitors undertake a regular programme of health teaching, some taking classes on Child Care, and all preparing classes for medals under the Duke of Edinburgh Award Scheme. During the year a total of 250 children were prepared for the Bronze and Silver Awards and 17 for the Gold Award. A great deal of this work was done in the evenings.

Several of the School Medical Officers have accepted invitations to lecture to adult groups, both male and female, church groups, various associations, some of the teaching profession, and a variety of community groups who have been interested in the work of the School Health Service.”

## 5.—THE FINDINGS OF MEDICAL INSPECTION

### GENERAL REVIEW

(Detailed statistics on pages 38-64)

The average number of pupils on the register of all schools during 1962 was 179,297 compared with 178,599 in 1961 and 179,616 in 1960.

Table Ia (pages 38 and 39) gives the total number of school children examined in the stated age-groups during the course of the year ended 31st July, 1962; relative statistics are also given for each of the two immediately preceding years. In "ordinary" schools, 52,512 pupils were systematically examined, the total being the lowest since 1959. The number seen at special schools was also reduced.

Other examinations *in schools* were fewer, "cases at risk" and "non-routines" being mainly responsible. Examinations *mainly at clinics* were also reduced due principally to fewer residential school examinations. Cleanliness inspections by nurses were the smallest in number for some years.

Table Ib (page 40), shows the age distribution of children seen at the date of systematic examination. Only the entrants had increased numbers.

In Table IIa (pages 42 to 48), 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 selected age-groups who were found to be suffering from one or more of the listed defects. Totals for the years 1961 and 1960 are supplied for comparison.

The following are some brief notes on the tabulated information.

*Unsatisfactory clothing* remained at the same low percentage (0.1) equalling the previous best.

*Unsatisfactory footgear* (0.0 per cent.) equalled the previous best.

*Uncleanliness* (6.4 per cent.) showed a slight deterioration compared with the previous year.

*Skin disease (3.2 per cent.)* improved to the best recorded percentage for some years back.

*Defective nutrition (2.2 per cent.)* gave the next best recorded percentage for this condition—the 1961 figure being the best ever.

*Mouth and teeth unhealthy (oral sepsis) (1.1)* ever recorded.

*Naso-pharyngeal defects (8.9 per cent.)* were more numerous than for some years.

*External eye diseases (3.6 per cent.)* were fewer than in any previous year.

*Defective vision (11.3 per cent.)* although up compared with 1961 gave a lower percentage than in any other year.

*Ear conditions (1.2 per cent.)* were slightly increased but compared favourably with the figures in previous years.

*Speech defects (0.8 per cent.)* were slightly more numerous than in 1961.

*Mental and nervous conditions (0.5 per cent.)* were unchanged.

*Diseases of the circulatory system (1.2 per cent.)* showed no change compared with previous years.

*Lung diseases (2.9 per cent.)* were similarly unchanged.

*Deformities (2.1 per cent.)* were fewer compared with 1961.

*Infectious diseases and diabetes* again returned negligible percentages.

*Asthma (0.6 per cent.)* was increased compared with 1961 but *other diseases or defects (4.1 per cent.)* were reduced.

Table IIb shows the distribution of "Others" cases under the main defect headings.

Table IIc (page 55), gives additional information extracted from the returns of routine medical inspection. The *attendance of parents* at the examination of their children showed improvement compared with 1961.

*Notifications to parents* regarding the various defects found at inspection were slightly more on the whole. More children were noted for re-inspection of clothing and exclusions from attendance at school were unchanged. The percentage (53.3) of children with no recorded defect was the second best ever given in these reports. Sound teeth was reported on more occasions but a deterioration was noted in connection with the visual acuity of children not owning glasses. Diphtheria immunisation (85.6 per cent.) was lower than in 1961 and vaccination against smallpox (54.7 per cent.) again showed some decline.

Table II d (page 57), gives particulars of the average heights and weights of children measured at Routine Inspection in 1962 and for each of the years back to 1953. The results were satisfactory, all round increases being noted.

Appendix II (page 59), details the results of the partial examination of children born in 1954 and also gives the totals of the two previous years for comparison. The percentage found to have good vision was higher than in 1961.

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 (68.1) of children free from defects (other than clothing, cleanliness and minor dental defects) was the best recorded in any year since the introduction of this particular Table in 1939. As mentioned in connection with Appendix II the percentage of children with no defect whatsoever was the second highest ever recorded.

Appendices IIIa and IIIb give particulars of certain "other examinations" listed in Table I. Appendix IIIc details the results of cleanliness inspection by nurses who reported fewer with the minor condition. Appendix III d summarises the findings of the year's work in the "hygiene units" which were moderately satisfactory.

The returns of medical inspection in nursery schools are summarised in Appendix VII (page 75), and Appendix VIII (page 78) describes the measures adopted for the prevention of tuberculosis among school children. Appendix IX (page 82) gives a brief note on the medical supervision of the Remand Homes, and Appendix XIV (page 99) shows the relationship between the parent's occupation and the remediability classes of Table III.

Appendix XV gives summarised information relating to the housing conditions of pupils seen at routine medical inspection during 1961.

## 6.—MEDICAL TREATMENT

### GENERAL REVIEW

(Detailed statistics on pages 19 to 31 and 83 to 97)

See Report for 1959, page 30.

In the aggregate fewer new cases were treated and attendances at clinics were also reduced. Brief explanatory notes on each group of defects are given below.

*Cuts, bruises, minor injuries, etc.* were less numerous than for some years.

Fewer new cases of *ear disease* were examined by School Medical Officers and by Specialists. Fewer were treated and the total attendances at clinic continued to fall due to improved methods of treatment.

Fewer *defective hearing* cases were examined by the consultant for the purpose of grading as to special education. An over-all increase, however, in the total of defective hearing cases dealt with by the School Medical Officers was recorded due mainly to the larger numbers of audiometric survey cases seen.

*Eye disease* cases were less numerous than in the previous year.

New cases of *skin disease* were fewer, scabies being again considerably reduced.

*Defective vision* cases were the greatest in number since 1957 but fewer spectacles were prescribed and supplied than in 1961.

*Tonsil/Adenoid operations* were performed slightly more frequently than in the previous year, but the waiting list for tonsillectomy was still considerable, particularly cases residing north of the river.

Fewer *orthopaedic* cases were treated in hospital. More cases were examined at the clinics but fewer were treated and attendances were consequently reduced.

*General diseases* were less numerous than in 1961. The total attendances were similarly reduced, except for medicines supplied.

*Artificial light treatment* cases were the smallest for some years, anaemia/debility showing the greatest decrease.

At the special *cardiac clinic* fewer new cases were examined by the Specialist.

The numbers of *speech defect* cases dealt with were also increased and were the greatest ever recorded.

The *diphtheria immunisation campaign* in schools was again a success, though the numbers inoculated were less numerous than in the previous year.

### (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—	Boys	1962 Girls	Totals	1961 Totals	1960 Totals
Cuts, bruises, sprains, etc.	1,978	1,124	3,102	3,315	3,528
Burns and scalds ... ..	234	155	389	387	386
Totals ... ..	2,112	1,279	3,491	3,702	3,914

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

#### (2a) DISEASES OF THE EAR

*Examined only.*

	Boys	1962 Girls	Totals	1961 Totals	1960 Totals
Recommended operation for tonsils and/or adenoids ...	149	173	322	300	412
Other operations recommended	—	—	—	2	10
Referred to hospital ... ..	9	10	19	14	137
Single visit cases ... ..	208	181	389	464	526
Totals ... ..	366	364	730	780	1,085

(2a) DISEASES OF THE EAR—*Continued*

*Treated at clinics*

Details of new cases—	Boys	1962 Girls	Totals	1961 Totals	1960 Totals
Chronic suppurative inflammation (otorrhoea)—Single ... ..	67	52	119	106	130
Double ... ..	7	4	11	7	7
Results of above diseases ... ..	—	—	—	—	—
Retracted membrane ... ..	6	11	17	22	9
Chronic aural catarrh ... ..	1	—	1	2	—
Ceruminous collection (wax) ... ..	214	223	437	475	436
Nasal catarrh ... ..	29	23	52	75	26
Laryngitis ... ..	1	—	1	—	—
Polypus ... ..	—	1	1	18	—
Other diseases ... ..	280	255	535	624	567
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Cases from previous session ... ..	605	569	1,174	1,329	1,175
	496	429	925	836	888
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals ... ..	1,101	998	2,099	2,165	2,063
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Clinic attendances of above cases	12,992	8,433	21,425	23,539	25,578

*Examinations by Specialists*

Cases to the number of 1,864 (1,143 boys and 721 girls) were summoned to school clinics for examination by aurists. Of that total 553 (322 boys and 231 girls) failed to attend, the remainder being dealt with as under :—

At school clinics—	Boys	1962 Girls	Totals	1961 Totals	1960 Totals
Recommended operation for tonsils and/or adenoids ... ..	50	44	94	88	35
Other operations recommended	43	21	64	82	37
Referred to hospital ... ..	83	43	126	169	152
For X-ray ... ..	95	55	150	190	153
For Audiogram ... ..	111	72	183	197	136
For Hearing Aid ... ..	9	6	15	13	—
Other recommendations and treatments ... ..	459	264	723	743	460
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	850	505	1,355	1,482	973

*X-ray Examinations*

Cases totalling 151, which included some children from the audiometric surveys, were X-rayed in Stobhill and 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 ... ..	44	24	32	24	76	48	124
Mastoids ... ..	9	7	3	6	12	13	25
Others ... ..	—	1	1	—	1	1	2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total examinations	53	32	36	30	89	62	151

## (2b) DEFECTIVE HEARING

See Report for 1959, page 34.

During the year ended 31st July, 1962 the work done in connection with cases of defective hearing was as follows.

*Classification.* Pupils to the number of 105 were summoned with a view to grading as regards special education and, of that total, 79 (49 boys and 30 girls) attended, 6 being classified for deaf classes and 2 for partially deaf classes. The specialist also made the following recommendations: audiogram, 45; hearing aid, 10; clinic treatment, 14; front seat in class, 12; lip reading, 6; tonsils/adenoid operations, 6; other recommendations, 15.

*Hearing Aids.* 32 children (17 boys and 15 girls) had hearing aids recommended and supplied. In 8 instances (5 boys and 3 girls) proprietary aids were recommended by the specialist.

*Tonsils/Adenoids Cases.* In 2 instances (1 boy and 1 girl) operations for removal of tonsils and/or adenoids were performed.

*Audiograms.* 776 cases (441 boys and 335 girls) were tested by audiogram at Florence Street Audiometric Clinic.

*Audiometric Survey Scheme.* Details of the work accomplished during the Session, including the findings of the specialists and the treatment provided, are shown in Appendix XII, page 91.

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

Details of new cases—	1962		1961	1960
	Boys	Girls	Totals	Totals
Blepharitis ... ..	222	213	435	521
Hordeolum (Stye) ... ..	206	216	422	497
Conjunctivitis, catarrhal ... ..	188	147	335	347
Conjunctivitis, muco-purulent ... ..	—	2	2	1
Ophthalmia, strumous (includes Phlyctenular conjunctivitis and keratitis) ... ..	—	2	2	2
Keratitis (interstitial) ... ..	—	1	1	1
Corneal ulcers ... ..	3	1	4	8
Corneal opacities ... ..	—	—	—	—
Dacryocystitis ... ..	—	—	—	—
Epiphora ... ..	—	—	—	1
Injuries ... ..	51	27	78	71
Other diseases ... ..	54	34	88	80
Single visit cases ... ..	182	157	339	355
	<hr/>	<hr/>	<hr/>	<hr/>
Cases from previous session ... ..	906	800	1,706	1,884
	44	49	93	109
	<hr/>	<hr/>	<hr/>	<hr/>
Totals ... ..	950	849	1,799	1,993
	<hr/>	<hr/>	<hr/>	<hr/>
Clinic attendances of above cases ... ..	6,994	6,404	13,398	13,943
				15,136



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

	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Scabies ... ..	856	738	1,594	1,843	2,245
Pediculosis capitis ... ..	4	25	29	12	17
Impetigo contagiosa ... ..	981	561	1,542	1,716	1,731
Ped. cap. and imp. cont. ... ..	19	29	48	39	60
Ecthyma ... ..	14	17	31	18	41
Dermatitis seborrhoeica ... ..	77	88	165	173	157
Eczema ... ..	63	45	108	83	92
Alopecia areata ... ..	11	10	21	16	29
Psoriasis ... ..	6	11	17	21	27
Herpes zoster (shingles) ... ..	89	93	182	163	161
Lupus ... ..	—	1	1	—	1
Ulcers and abscesses ... ..	2,934	1,880	4,814	5,094	4,455
Urticaria ... ..	93	106	199	185	167
Warts ... ..	345	344	689	795	912
Other skin diseases ... ..	172	125	297	358	471
Single visit cases ... ..	1,614	1,134	2,748	2,780	2,848
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Cases from previous session ... ..	7,278	5,207	12,485	13,296	13,414
	379	321	700	666	665
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals ... ..	7,657	5,528	13,185	13,962	14,079
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Clinic attendances of above and ring-worm cases ... ..	74,451	52,260	126,711	136,036	140,643

*Special Cleansing Clinics—*

	1962	1961	1960
New cases ... ..	306	351	327
Attendances ... ..	917	681	660

## (4b) RINGWORM

*Drug Treatment*

Details of New Cases	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Ringworm (head) ... ..	—	—	—	1	—
Ringworm (body) ... ..	12	8	20	26	34
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	12	8	20	27	34

*X-ray Treatment—*

There were 100 attendances when X-ray treatment for other skin conditions was given.

## (4c) BATH TREATMENT OF SCABIES

	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Cases receiving baths	770	669	1,451	1,955	2,068
Baths given ... ..	3,339	2,801	6,140	7,757	8,008

(b) DEFECTIVE VISION

See Report for 1959, page 37.

(a) CASES DEALT WITH AT REFRACTION CLINICS

	Boys	1962		Totals	1961	1960
		Girls			Totals	Totals
Subjected to refraction—						
Spectacles prescribed	2,530	2,326		4,856*	4,912	4,244
Spectacles not prescribed—						
For further treatment ...	...	...	...	1,622	1,285	918
No treatment required ...	...	...	...	720	785	621
				<u>7,238</u>	<u>6,982</u>	<u>5,783</u>
Not subjected to refraction—						
For further treatment	...	...	...	505	562	593
No treatment required	...	...	...	300	321	296
Spectacles checked ...	...	...	...	—	—	1
Postponed ...	...	...	...	1,106	1,281	875
				<u>1,911</u>	<u>2,164</u>	<u>1,765</u>
Total number dealt with at refraction clinics				<u>9,149</u>	<u>9,146</u>	<u>7,548</u>
Number of clinics held ...	...	...	...	1,076	1,034	914
Average number of children per clinic ...	...	...	...	8.5	8.8	8.3
Average number subjected to refraction at each clinic ...	...	...	...	5.8	6.8	6.3

At school clinics, 18 new occlusion cases were put on treatment while an additional 415 children were kept under observation. The number of children referred to hospital for further treatment was 399 and a further 361 were put off treatment.

At the end of the school session approximately 1,624 children were awaiting refraction, distribution as follows :—

New cases—199 ; “ failed to attend ”—1,339 ; retests—86

\* Classification of refraction errors was as follows :—

Hypermetropia			Myopia		Anisopia	Total
H.	H.A.	M.	M.A.	Mx.A.		
475	1,605	1,112	508	610	546	4,856

(b) PROVISION OF SPECTACLES

New cases were supplied with spectacles under the scheme to the number of 4,600. The nickel type was provided in 3,061 instances free of charge, and the cellulose acetate in 1,537 on payment by each parent

of a contribution towards the cost. In addition, 2 children who were allergic to nickel were supplied free of charge with the cellulose acetate type.

Replacements or repairs totalled 1,626, the details being as follows :—new lenses, 133 ; replaced lenses, 942 ; frames, sides, etc., 551 (nickel, 493 ; cellulose acetate, 58). A contribution towards the cost of replacement or repair was made by the parent in 58 instances.

### (C) EAR, NOSE AND THROAT OPERATIVE TREATMENT

#### (i) TONSILS AND ADENOIDS OPERATIONS

##### *Preliminary Examinations by Specialists*

A summary of the specialists' recommendations in respect of cases referred for tonsil/adenoid operation during the school year is given below.

	First Examinations		Subsequent Examinations		Total	
	Boys	Girls	Boys	Girls	Boys	Girls
Summoned ... ..	683	624	50	42	733	666
Attended ... ..	501	446	36	31	537	477
Examined ... ..	469	427	36	28	505	455

##### Recommendations—

T. and A. operation ...	382	360	6	12	388	372
Not for treatment ...	40	26	14	8	54	34
Clinic treatment ...	7	4	3	2	10	6
X-ray examination ...	5	11	—	—	5	11
Audiogram ... ..	4	—	1	—	5	—
Other recommendations	2	4	3	1	5	5

In addition to the above recommendations, 65 of the cases were noted for review at later dates—mainly from three to six months subsequently.

##### *Tonsil/Adenoids Operations Performed*

The table below shows the number of operations for removal of tonsils and/or adenoids performed in the several hospitals during 1961-62, compared with the figures for the previous two years.

	1962		Totals	1961	1960
	Boys	Girls		Totals	Totals
Western District Hospital	115	17	132	352	502
Mearnskirk Hospital ...	298	220	518	471	308
Glasgow Royal Infirmary ...	11	12	23	31	—
Stobhill Hospital ... ..	32	33	65	18	—
Ear, Nose and Throat Hospital	3	33	36	12	—
Hairmyres Hospital ... ..	117	114	231	24	—
Law Hospital ... ..	14	12	26	24	—
	<u>590</u>	<u>441</u>	<u>1,031</u>	<u>932</u>	<u>810</u>
Clinic (including Hospital) attendances ...			3,130	2,661	2,724

A further 24 children were admitted to hospital during the year but were discharged without operation for various reasons, mainly 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 numbers on the waiting list for each of the hospitals at 31st July, 1962, were as follows :—

Western District Hospital, 356 (192 boys and 164 girls) of which total 95 (61 boys and 34 girls) had been "screened" by specialists.

Stobhill Hospital, 228 (103 boys and 125 girls) including 206 (93 boys and 113 girls) "screened" by specialists.

Hairmyres Hospital, 363 (167 boys and 206 girls) 174 (66 boys and 108 girls) having been "screened" previously.

Ear, Nose and Throat Hospital, 21 girls all "screened."

Mearns Kirk Hospital, 306 (151 boys and 155 girls).

In addition, 59 cases (31 boys and 28 girls) had been recommended other forms of treatment before operation, bringing the total on the waiting list for tonsil/adenoids operations to 1,343 (644 boys and 699 girls).

#### (ii) OTHER EAR, NOSE AND THROAT OPERATIONS

In addition to those treated for tonsils and/or adenoids, children to the number of 86 were admitted to one or other of the 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, 1962 for other ear, nose and throat operations was 12 (8 boys and 4 girls).

#### (D) ORTHOPAEDIC AND POSTURAL DEFECTS

Mr. Guest, the Orthopaedic Consultant, has supplied the following report regarding the work at the Orthopaedic Unit in Mearnskirk Hospital :—

“ The link between the school orthopaedic clinics and Mearnskirk Hospital has been maintained by the regular visits of the Consultant Orthopaedic Surgeon from Mearnskirk to the clinics. This provides an effective follow-up and supervision for children with orthopaedic disabilities.

During the year 126 children were admitted to Mearnskirk for operative treatment and after treatment were discharged to the clinics for physiotherapy. During the same period, 12 children were discharged from Mearnskirk with residual paralysis following poliomyelitis and are now attending the school orthopaedic clinics for treatment.

The work of the spastic school has continued and over 40 children are in attendance there and have speech, occupational and physiotherapy as well as education. The treatment here is again being held up by the shortage of therapists and this is proving a great problem in keeping adequate services going.

Details of the work during 1961/62 are shown below :—

Cases in hospital on 1.8.61 ... ..	22
Number admitted during the year ...	126
	<hr/>
	148
Number dismissed during the Session	130
	<hr/>
Number still in hospital on 31.7.62 ...	18
	<hr/>

Of the cases dismissed the causes of disability were :—

Foot deformities, 80 ; (congenital 4, acquired 7, post poliomyelitis 42, spastic 27). Other conditions due to poliomyelitis, 10 ; torticollis, 8 ; muscle dystrophy, 9 ; correction of limb shortening, 7 ; cerebral palsy, 2 ; spinal deformities, 5 ; knock-knees, 4 ; miscellaneous, 5.

17 children were treated by general physiotherapy or were admitted for investigation. The remainder were admitted for operative treatment as under :—

Manipulations, including tenotomy and wrenching, 37 ; elongation of tendo achilles, 23 ; tenotomy for torticollis, 8 ; tendon transplants,

14 ; stabilisations, 5 ; stapling operations, 9 ; osteotomy, 2 ; reconstructive operations on hand, 4 ; correction of flexion contracture of the hip, 6 ; spinal fusion, 1 ; miscellaneous, 6 ; total—155 operations.

The average stay in hospital for these children was 39 days.

The number on the waiting list for admission to Mearnskirk on 1.8.62 was 23."

Dr. James M. Parker, School Medical Officer, has provided the following report on orthopaedics as it concerns a School Medical Officer :—

" Most orthopaedic defects require a rather longer attendance at a clinic than other conditions. It is very encouraging to find that the parents understand and co-operate with regular attendance. There are two conditions, however, posture and non-congenital foot defects, which still form a large number of the new cases of boys attending for treatment at Florence Street Clinic. The cause of the posture is, in quite a number of cases, due to a fashion which has now prevailed for a few years. This fashion consists of wearing " jeans " in which the boy walks with hands permanently in the front pockets in imitation of a TV. cowboy. This fashion, with its inevitable rounding of shoulders, is fast on its way to becoming a permanent defect.

The majority of the foot conditions seen at the clinic are directly due to a wrong type of footwear. The ' Italian ' type of pointed shoe is already giving permanent deformity but is fortunately going out of fashion.

The more prevalent type of foot deformity is that of the ' everted ' or valgus foot. This deformity is in large part due to wrongly built shoes with too wide a heel fitting and which, therefore, do not give proper corsetting and support of the heel."

The following are the statistics relating to the treatment of deformities at the five centres :—

		1962		1961	1960
	Boys	Girls	Totals	Totals	Totals
Number of children examined by—					
School Medical Officers ...	423	358	781	756	674
Orthopaedic Surgeon ...	726	632	1,358	1,201	1,252
Number of attendances of " old cases " reporting for observation	913	914	1,827	1,385	1,206

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

	1962		1961		1960
	Boys	Girls	Totals	Totals	Totals
Details of new cases put on treatment at Clinics—					
Deformities of spine (kyphosis, lordosis, scoliosis) ... ..	119	161	280	276	250
Paralysis, infantile and other	40	42	82	77	98
Flat-foot and other deformities of the foot ... ..	119	90	209	260	208
Wry-neck (torticollis) ... ..	6	5	11	11	11
Deformities of chest ... ..	57	26	83	67	57
Knock-knees ... ..	26	13	39	36	23
Others ... ..	9	12	21	17	18
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Cases from previous session	156	102	258	305	348
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals ... ..	532	451	983	1,049	1,013

#### Discharged from Orthopaedic Clinics—

	1962		1961		1960
	Boys	Girls	Totals	Totals	Totals
Fit ... ..	234	212	446	632	496
For hospital treatment ... ..	1	3	4	16	11
Transferred to other clinics or treated by appliances ... ..	10	18	28	33	65
For other reasons (leaving school, improved, etc.) ... ..	69	69	138	100	102
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	314	302	616	781	674
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Number still on treatment ... ..	151	135	286	279	320
Number of attendances made by children for treatment ... ..			15,965	16,688	16,213

#### DEFORMITIES TREATED IN SPASTIC UNIT

The children were kept under continuous review by a panel of consultants comprising a neurologist, a paediatrician and an orthopaedic surgeon. Children considered fit were transferred to schools for the physically handicapped or to ordinary schools. Those considered not to be benefiting from the facilities provided in the school were recommended for re-grading to an appropriate centre.

Treatment provided in the various departments was as follows :—

	No. of cases treated			No. of treatments		
	Boys	Girls	Total	Boys	Girls	Total
Physiotherapy ... ..	21	21	42	1,889	1,592	3,481
Speech Therapy ... ..	18	14	32	932	555	1,487
Occupational Therapy ... ..	13	11	24	616	550	1,166

Of the six children discharged during the year, three had attained school leaving age, two were transferred to schools for the physically handicapped and one went to ordinary school. In addition, four more left, one on removing to Lanarkshire, two for enrolment at Scotsraig because of unsuitable home conditions and one for transfer to ordinary school from the nursery. Admissions during the Session, of two boys and one girl, brought the total on the roll to 42.

### (E) OTHER DISEASES

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

Details of new cases—	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Bronchitis and bronchial catarrh	418	353	771	890	909
Anaemia and/or debility ...	764	804	1,568	1,627	1,819
Rickets ... ..	—	1	1	—	—
Tubercular conditions—					
Pulmonary (including contacts)	10	13	23	31	57
Non-pulmonary ... ..	—	—	—	5	15
Paralysis ... ..	—	—	—	1	1
Heart disease ... ..	22	13	35	41	59
Chorea ... ..	3	1	4	2	5
Enlarged tonsils and/or adenoids	53	70	123	130	160
Adenitis ... ..	16	8	24	44	36
Rheumatism ... ..	12	21	33	47	41
Enuresis ... ..	373	405	778	765	739
Malnutrition ... ..	1	3	4	—	6
Epilepsy ... ..	4	3	7	18	22
Digestive disorders ... ..	16	55	71	88	115
Infectious diseases ... ..	1	10	11	13	11
Mental deficiency ... ..	1	2	3	1	—
Nervous disorders ... ..	50	36	86	137	127
Others ... ..	300	340	640	732	713
Single visit cases ... ..	1,567	1,331	2,898	2,667	2,172
<b>Totals ... ..</b>	<b>3,611</b>	<b>3,469</b>	<b>7,080</b>	<b>7,239</b>	<b>7,007</b>
Clinic attendances of above cases ...	12,566	12,075	24,641	24,995	24,045

#### (b) SUPPLY OF MEDICINES

Details of new cases seen elsewhere than at "General" Clinics—	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Sent from school inspection for immediate supply ... ..	232	225	457	479	499
Sent from skin, eye and ear clinics ... ..	498	434	932	901	1,378
Additional attendances at "General" clinics for medicine ... ..	6,996	6,422	13,418	12,829	14,246
<b>Totals ... ..</b>	<b>7,726</b>	<b>7,081</b>	<b>14,807</b>	<b>14,209</b>	<b>16,123</b>



(c) ARTIFICIAL LIGHT TREATMENT

		1962			1961	1960
		Boys	Girls	Totals	Totals	Totals
Details of new cases—						
Rickets ... ..		1	—	1	4	—
Anaemia and/or debility ...		190	210	400	617	695
Nervous disorders ... ..		2	6	8	12	11
Enlarged glands ... ..		—	—	—	—	—
Chronic bronchitis ... ..		113	82	195	179	241
Rheumatism ... ..		3	9	12	24	44
Skin conditions ... ..		22	12	34	55	55
Eye conditions ... ..		—	—	—	—	2
Ear conditions ... ..		—	—	—	—	2
Other diseases ... ..		9	8	17	42	85
Single visit cases ... ..		5	3	8	8	13
	Totals ... ..	345	330	675	941	1,148
Clinic attendances of above cases ...						
		4,573	4,424	8,997	12,727	16,167

(d) CASES SEEN AT CARDIAC CLINICS

See Report for 1959, page 44.

Dr. Rogen, the Heart Specialist from Stobhill Hospital again attended school clinics for the purpose of examining school children specially referred by School Medical Officers and recommending any necessary treatment. During the Session, 416 children (227 boys and 189 girls) were summoned, of whom 114 (61 boys and 53 girls) failed to attend. The remainder reported as follows :—

New Cases		Re-examinations		Totals	
Boys	Girls	Boys	Girls	Boys	Girls
73	51	93	85	166	136

The Specialist referred 50 children (25 boys and 25 girls) for further investigation at the Cardiology Clinic or for admission to Stobhill Hospital, where some were operated on for the treatment of certain forms of congenital heart disease. In addition, 3 boys were recommended for examination by E.N. & T. Specialist, 2 boys for T. & A. operation, 1 girl for dental treatment and 1 girl for "passing-out" to ordinary school.

The Specialist also interviewed 27 parents of children who had been referred for further investigation at the Cardiology Clinic.

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

November, 1961, 3 ; December, 1961, 4 ; April, 1962, 5 ; June, 1962, 5. Since the commencement of the scheme in June, 1950, 423 children in all had been seen.

Dr. Rogen, reviewing the year's work, reports :—

“ The school clinics continue along what is now a well defined pattern. The only point of interest is that I have appreciated recently that I am seeing fewer children with well developed evidence of organic heart disease than I used to. I think the explanation of this lies in the fact that the family doctor, now more aware of surgical possibilities, is referring children seen by him before the age of five for specialist investigation and advice. As a result they are under care elsewhere before they attend the first school clinic.

This in the long run is, of course, to the benefit of the child in that early diagnosis and treatment is always to be desired but, at the same time, results in our not having the satisfaction of dealing with the same large numbers of patients with organic disease, whether congenital or acquired.”

#### (F) TREATMENT AT SPECIAL SCHOOLS

See Report for 1959, page 47.

The total treatments given by nurses were as follows :—

	Boys	Girls	Total
Ear conditions ... ..	4,518	4,765	9,283
External eye defects ... ..	1,780	1,994	3,774
Skin disease ... ..	21,225	21,080	42,305
Uncleanliness (nits, vermin, etc.) ...	10,186	16,145	26,331
Medicines issued ... ..	7,886	9,226	17,112

#### 7.—DENTAL INSPECTION AND TREATMENT

The perennial problem of staff recruitment again affected the work throughout the year. Fewer children were inspected at schools, but the greater acceptance rate and the continued increase in the ratio of fillings to extractions were satisfactory features. New cases attending clinics for treatment were more numerous but total attendances were slightly reduced.

## 8.—SPECIAL SCHOOLS AND CLASSES AND RESIDENTIAL SCHOOLS

### (a) HANDICAPPED CHILDREN

See Report for 1959, page 48.

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

- (1) Mentally handicapped—19 Day Schools and 11 Occupational Centres.
- (2) Physically handicapped—11 Day Schools, 7 Hospital Schools and a Scheme of Home Tuition. (One day school made provision for spastic children only).
- (3) Defective vision—1 Day/Boarding 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/Boarding School for the partially deaf and 2 Day/Boarding Schools for the deaf. In addition, teachers from the Speech Reading Unit visited ordinary schools to give speech-reading instruction and auditory training to pupils not sufficiently deaf to require education by deaf methods.

At 30th June, 1962, the number of children receiving special educational treatment in special schools administered by the Corporation was as given below :—

Physically handicapped children, 383 (including 42 in school for spastics); children with hearing defects, 251; children with defects of vision, 94; mentally handicapped (educable) children, 2,518; mentally handicapped (trainable) children, 469; total, 3,715. This total compared with 3,821 in 1960 and 3,761 in 1961.

*Hospital Schools.* The following is a list of the Hospital Schools with the number of pupils each receiving tuition at 30th June, 1961.

Drumchapel Home (11); Lenzie Home (29); Mearnskirck Hospital (89); Victoria Auxiliary Infirmary, Philipshill (32); Royal Hospital for Sick Children (65); Stobhill Hospital (84); and Strathblane Home (24).

## HOME TUITION SCHEME

At 30th June, 1962, the number of children participating in the scheme was 40 and the main causes of incapacity were :—

Spina bifida, 6 ; muscular dystrophy, 6 ; heart diseases, 3 ; pulmonary conditions, 4 ; arthritis, 1 ; spastic, 1 ; miscellaneous, 19.

## 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 :—

	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
First Examinations ...	291	226	517	386	441
Re-examinations ...	882	627	1,509	1,578	1,912
	<u>1,173</u>	<u>853</u>	<u>2,026</u>	<u>1,964</u>	<u>2,353</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*—3 severely physically handicapped boys.

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

*The Colony for Epileptics, Bridge of Weir*—9 Protestant children suffering from serious epilepsy.

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

*The Royal Scottish National Institution, Larbert*—11 mentally handicapped boys and girls (Protestant).

*St. Charles' Certified Institution, Carstairs*—41 Roman Catholic mentally handicapped children.

*St. Joseph's Certified Institution, Rosewell*—3 Roman Catholic mentally handicapped children with severe physical handicap.

*Waverley Park Certified Institution, Kirkintilloch*—21 Protestant mentally handicapped girls.

*Birkwood Certified Institution, Lesmahagow*—19 Protestant mentally handicapped children.

*Broadfield Hospital, Port Glasgow*—1 Roman Catholic mentally handicapped girl.

*Caldwell House Certified Institution, Uplawmoor*—3 Protestant mentally handicapped children.

### (b) MALADJUSTED CHILDREN

#### CHILD GUIDANCE

The following report was supplied by Miss C. M. McCallum, Principal Educational Psychologist.

“The Child Guidance Service during the year dealt with a total of 5,224 pupils either in Child Guidance Clinics or in Schools. 35,811 attendances were made at clinic, 5,593 visits were paid to schools and 1,839 visits to the homes of children. As well as maladjusted children, there were 656 cases for ascertainment of mental handicap, 352 examinations of High School entrants and 199 children examined or tested under research projects in co-operation with educational, medical and University organisations.

Of all children referred to clinics, 2,819 came directly from the schools and 1,115 from medical sources. The remainder were referred by other statutory or voluntary organisations or directly by the parents themselves.

Among the maladjusted children, the symptoms of highest incidence were :—enuresis and encopresis, 775 ; psycho-somatic illness, 448 ; temper and tantrums and unruliness, 434 ; shyness, inhibition and avoidance reactions, 425 ; sleeping and feeding difficulties, 396 ; aggression, violence and defiance of authority, 381 ; theft, 335 ; weepiness and dependence, 306.

Further information can be found in the report on Child Guidance Service issued annually by the Education Department.”

### (c) RESIDENTIAL SCHOOLS

The Centres outwith the City are listed below along with the accommodation available for pupils. Periods of residence varied according to the needs of the individual child and averaged four weeks for the normal child, four to six weeks for convalescents and two weeks for nursery children.

(i) NORMAL		
Achnamara, Lochgilphead	...	48 Protestant boys and girls (12-15 years).
Dalguise, near Dunkeld	...	48 Roman Catholic boys and girls (Primary V, VI and VII).
Galloway, Wigtown	... ..	112 Protestant boys and Girls (Primary V, VI and VII).
(ii) CONVALESCENT		
Agnes Patrick/Stevenson, Ascog		58 Roman Catholic boys and girls (8-15 years).
Caol Ruadh, Colintrave	...	36 Protestant boys (8-15 years).
Castle Toward, by Dunoon	...	100 Protestant boys and girls (8-15 years).
Craig, Kilmarnock	... ..	56 Roman Catholic boys (5-12 years).
Hillfoot, Bearsden	... ..	45 Protestant mentally handicapped children (8-14 years).
Lumsden, Maybole	... ..	29 Roman Catholic girls (5-12 years).
Seafield, Ardrossan	... ..	65 Protestant boys (5-12 years).
South Park, Ascog	... ..	28 Protestant girls (5-15 years).
Fornethy, near Alyth	... ..	74 Protestant girls (8-12 years).
(iii) NURSERY		
Southannan, Fairlie	... ..	36 Protestant and Roman Catholic boys and girls (2-5 years).

## 9.—ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE

The following note was supplied by Mr. W. Tinto, Superintendent of Physical Education.

“ With the opening of new schools and increased commitments in the Secondary department a shortage of staff was anticipated at the beginning of the session. This anticipated deficiency was balanced partly by the recruitment of new members of staff and partly by a reduction in the time given to the subject in some schools where the broadening of the curriculum has not operated in the best interests of physical education. Indeed, the amount of time allotted to the physical education of some pupils is giving cause for concern, and would appear to indicate a reconsideration of the minimum essentials of the curriculum.

The standard of physical education in the primary schools continues to be fairly high, maintained by the enthusiasm of many primary teachers and sustained by visits from the supervisory staff.

On the material side, supplies of equipment are adequate and the Committee have been untiring in their efforts to provide and maintain a high standard of accommodation and equipment for physical education in our new schools and playing fields, and to improve conditions in the older buildings. The addition of St. Pius' Swimming Pond has made a useful extension of our swimming facilities in the Drumchapel area and the long awaited pavilions now appearing on our playing fields will enable the fullest use to be made of these areas."

#### 10.—**ARRANGEMENTS FOR FEEDING AND CLOTHING OF CHILDREN**

See Report for 1959, page 53.

##### *(a) ADMINISTRATION AND NATURE OF MEALS*

On 31st May, 1962 there were 90 kitchens preparing meals for school children. In addition, one kitchen supplied Kosher meals to Jewish children. On an average day in May, 1962 (Friday, 11th May), the total number of dinners served was 67,224 of which 20,730 were supplied free.

Dinners only were supplied to pupils of ordinary schools and schools for handicapped children. In the Nursery Schools, dinners and teas were served, while a Health and Welfare Day Nursery received breakfasts, dinners and teas.

The meals were served in 404 dining rooms, 364 of which were on school premises, the remainder being in church and other halls.

##### *(b) NUMBER AND COST OF MEALS*

The number of dinners prepared in kitchens during the year ended 31st May, 1962, was 15,440,255 compared with 14,790,802 in 1961 and 13,903,744 in 1960.

Weekly tickets were purchased by pupils requiring dinners in schools 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 were 5s. 7d., 5s. 2d. and 4s. 9d. Remission rates of 3s. 11d., 3s., 2s., or 1s. (based on family income) were charged for a ticket valid for 6 dinners per week, the price being the same for each member of the family.

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

On Saturdays and holidays, meals were supplied to children entitled to free meals and to children who held tickets purchased at partial remission rates. In addition to this, during holidays only, meals were supplied to children holding purchased tickets at normal prices and whose parents or guardians were unable to make suitable arrangements to provide a midday meal, thereby avoiding hardship to the children.

#### *(c) FOOTWEAR AND CLOTHING*

During the year 1st June, 1961 to 31st May, 1962, 1,578 children were provided with footwear and clothing as compared with 1,123 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 SUPPLIED TO SCHOOL CHILDREN*

All milk supplied to schools under the Milk in Schools Scheme was Tuberculin Tested (Pasteurised).

The total number of milk rations during the year ended 31st July, 1962 was 36,047,482 compared with 35,811,228 in 1961. The most recent census figures showed that 96·12 per cent. of the children present in school on a particular day in September, 1961, were taking school milk compared with 87·54 per cent. in September, 1960.

Food inspectors of the Health and Welfare Department took 188 samples of milk for examination and of that number 7 failed to pass the coliform test. The average composition of samples was satisfactory at 3·66 per cent. milk fat and 8·80 per cent. non-fatty solids. Of 47 samples supplied for biological examination as to the presence of tubercle, all were found to be negative.



## STATISTICAL AND OTHER APPENDICES

**TABLE Ia.**—TOTAL NUMBER OF CHILDREN EXAMINED AT:

(A) (a) SYSTEMATIC EXAMINATIONS, i.e., the main groups recommended for the session (see page 10), and (b) OTHER SYSTEMATIC EXAMINATIONS, i.e., children missed at recommended age groups or otherwise outwith these groups.

GROUP	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
(a) Entrants ... ..	9,569	9,113	18,682	17,965	18,017
Second Age Group ...	7,567	7,078	14,645	15,076	15,527
Third Age Group ...	8,091	7,957	16,048	17,932	16,583
Fourth Age Group ...	1,047	867	1,914	2,147	2,090
(b) Others ... ..	26,274	25,015	51,289	53,120	52,217
Totals ... ..	540	683	1,223	1,080	1,084
Totals ... ..	26,814	25,698	52,512	54,200	53,301

For age distribution of these children see Appendix Ib on page 40.

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	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Physically handicapped children ... ..	128	97	225	201	238
Mentally handicapped children ... ..	405	246	651	776	716
Totals ... ..	533	343	876	977	954

## (B) OTHER EXAMINATIONS :—

GROUP	1962	1961	1960
<i>(i) In Schools—</i>			
Systematic Inspection of Nursery School Children ... ..	1,162	1,143	1,182
Other Examinations in Nursery Schools (including abnormals) ... ..	2,135	2,690	2,174
1954 age-group (Visual Acuity only)—(by school nurses) ... ..	14,604	14,405	14,604
Special Cases (in respect of particular defects)	14,287	16,791	18,093
Re-inspections by Medical Officers ... ..	16,783	17,465	20,388
Leaving Interviews ... ..	10,338	9,430	9,352
Examinations regarding Mental Defect ...	2,026	1,964	2,353
Discharges in Special Schools and Classes ...	66	69	88
Audiometric Survey (by audiometricians) ...	16,315	15,869	15,416
<b>Totals ... ..</b>	<b>77,716</b>	<b>79,826</b>	<b>83,650</b>
<i>(ii) Mainly at Clinics—</i>			
Applicants for Licences under the Corporation Bye-laws for the Employment of Children ... ..	575	634	528
Adult Employees of the Corporation ...	1,946	1,825	1,150
Candidates for Printers' Apprenticeships ...	241	175	168
Children as to fitness for camps, etc.— School and Junior Club groups ... ..	10,382	10,710	10,311
Children as to fitness for School Journeys abroad, Educational Excursions, etc. ...	6,707	6,441	5,453
Children as to fitness for admission to and dismissal from Residential Schools and Institutions ... ..	11,179	13,622	12,489
Pre-vocational Students ... ..	744	625	665
Other Special Cases ... ..	92	48	69
Examinations in Remand Home ... ..	5,130	5,375	3,972
<b>Totals ... ..</b>	<b>36,996</b>	<b>39,455</b>	<b>34,805</b>
<i>(iii) Cleanliness and Special Examinations—</i>			
* Cleanliness inspections—(by school nurses) ...	145,770	163,400	159,332

\* In addition, Nurse Inspectresses of the Sanitary Divisions made a number of cleanliness inspections in visits to other schools.

**TABLE Ib.—AGE DISTRIBUTION OF CHILDREN**

(a) Children within groups recommended

(b) Children outwith groups

† Entrants-Infants.

Ages						
		4	5	6	7	8
<b>BOYS.</b>						
Non-transferred Schools	(a) ...	195	5,613	168	18	4
Do.	(b) ...	—	—	—	23	28
Transferred Schools	(a) ...	93	3,297	171	9	1
Do. ...	... (b) ...	—	—	1	15	15
Totals	(a) ...	288	8,910	339	27	5
Do.	(b) ...	—	—	1	38	43
Totals 1962	... ..	288	8,910	340	65	48
Totals, 1961	... ..	228	8,632	286	68	51
<b>GIRLS.</b>						
Non-transferred Schools	(a) ...	109	5,439	163	25	1
Do.	(b) ...	—	—	—	25	47
Transferred Schools	(a) ...	77	3,118	173	8	—
Do.	(b) ...	—	—	—	17	11
Totals	(a) ...	186	8,557	336	33	1
Do.	(b) ...	—	—	—	42	58
Totals, 1962	... ..	186	8,557	336	75	59
Totals, 1961	... ..	154	8,343	271	62	69
<b>ALL</b>						
Totals	(a) ...	474	17,467	675	60	6
Do.	(b) ...	—	—	1	80	101
Totals, 1962	... ..	474	17,467	676	140	107
Totals, 1961	... ..	382	16,975	557	130	120

† 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	19	Totals
98	3,931	855	—	240	4,852	454	77	668	135	—	—	17,308
—	16	90	44	24	25	68	29	1	5	6	—	359
135	2,181	367	—	154	2,198	193	—	104	63	—	—	8,966
—	31	51	24	13	10	15	5	1	—	—	—	181
233	6,112	1,222	—	394	7,050	647	77	772	198	—	—	26,274
—	47	141	68	37	35	83	34	2	5	6	—	540
233	6,159	1,363	68	431	7,085	730	111	774	203	6	—	26,814
476	6,773	661	74	487	7,513	906	87	929	231	8	1	27,411
67	3,665	888	—	243	4,738	462	49	562	125	—	—	16,536
—	23	122	76	41	27	77	29	—	3	4	3	477
51	1,858	549	—	189	2,111	214	—	92	39	—	—	8,479
—	19	70	31	21	7	19	11	—	—	—	—	206
118	5,523	1,437	—	432	6,849	676	49	654	164	—	—	25,015
—	42	192	107	62	34	96	40	—	3	4	3	683
118	5,565	1,629	107	494	6,883	772	89	654	167	4	3	25,698
352	6,161	981	81	671	7,862	818	76	695	190	3	—	26,789
351	11,635	2,659	—	826	13,899	1,323	126	1,426	362	—	—	51,289
—	89	333	175	99	69	179	74	2	8	10	3	1,223
351	11,724	2,992	175	925	13,968	1,502	200	1,428	370	10	3	52,512
828	12,934	1,642	155	1,158	15,375	1,724	163	1,624	421	11	1	54,200

the (a) lines on the table.

**TABLE IIa.—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.		1961 Totals.	1960 Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.		
Number examined	9,569	9,113	7,567	7,078	8,091	7,957	1,047	867	26,814	25,698	54,200	53,301
1. CLOTHING UNSATISFACTORY	Nature of defects found											
	Insufficient											
	Ragged											
	Dirty											
Totals	5 (0.1)	11 (0.1)	9 (0.1)	7 (0.1)	12 (0.1)	18 (0.2)	—	1 (0.1)	28 (0.1)	38 (0.1)	60 (0.1)	56 (0.1)
2. FOOTGEAR UNSATISFACTORY	Unsatisfactory											
	None											
Totals	—	1 (0.0)	5 (0.1)	3 (0.0)	1 (0.0)	2 (0.0)	—	—	6 (0.0)	6 (0.0)	12 (0.0)	20 (0.0)
3. UNCLEANLINESS	Dirty											
	(a) Head											
	Nits											
	Verminous											
(b) Body	Dirty											
	Verminous											
Totals	246 (2.4)	834 (9.1)	201 (2.5)	862 (12.0)	148 (1.7)	962 (11.9)	—	—	612 (2.1)	2,770 (10.7)	3,351 (6.0)	3,812 (7.0)
Totals		—	1 (0.0)	5 (0.1)	3 (0.0)	1 (0.0)	2 (0.0)	—	6 (0.0)	6 (0.0)	12 (0.0)	20 (0.0)
Totals		—	—	1 (0.0)	850 (12.0)	141 (1.7)	948 (11.9)	—	2 (0.0)	2,739 (10.7)	3,311 (6.3)	3,723 (7.0)
Totals		—	—	1 (0.0)	10 (0.1)	4 (0.0)	8 (0.1)	—	23 (0.1)	20 (0.1)	43 (0.1)	57 (0.1)
Totals		—	—	8 (0.1)	—	2 (0.0)	5 (0.1)	—	10 (0.0)	8 (0.0)	18 (0.0)	23 (0.0)
Totals		4 (0.0)	—	—	2 (0.0)	1 (0.0)	1 (0.0)	—	5 (0.0)	3 (0.0)	8 (0.0)	15 (0.0)
Totals		246	834	201	862	148	962	—	612	2,770	3,351	3,812



TABLE IIIa—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1961	1960
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.
<b>7. NASO PHARYNX</b>												
<i>(a) Nose</i>												
Obstruction—for observation	142 (1.5)	110 (1.2)	34 (0.5)	26 (0.4)	12 (0.1)	10 (0.1)	1 (0.1)	1 (0.1)	190 (0.7)	148 (0.6)	266 (0.5)	296 (0.6)
Obstruction—for operation	188 (2.0)	152 (1.7)	35 (0.5)	42 (0.6)	18 (0.2)	11 (0.1)	—	—	242 (0.9)	208 (0.8)	212 (0.4)	220 (0.4)
Catarrh	100 (0.1)	67 (0.7)	59 (0.8)	40 (0.6)	29 (0.4)	34 (0.4)	3 (0.3)	4 (0.5)	192 (0.7)	150 (0.6)	414 (0.8)	360 (0.7)
Other conditions	18 (0.2)	9 (0.1)	8 (0.1)	5 (0.1)	8 (0.1)	9 (0.1)	2 (0.2)	—	36 (0.1)	24 (0.1)	66 (0.1)	39 (0.1)
<i>(b) Throat</i>												
Tonsils—for observation	785 (8.2)	768 (8.4)	198 (2.6)	247 (3.5)	80 (1.0)	154 (1.9)	3 (0.3)	14 (1.6)	1,080 (4.0)	1,209 (4.7)	2,350 (4.3)	2,149 (4.0)
Tonsils—for operation	409 (4.3)	339 (3.7)	76 (1.0)	111 (1.6)	32 (0.4)	45 (0.6)	—	—	522 (2.0)	506 (2.0)	1,004 (1.9)	1,167 (2.2)
Other conditions	7 (0.1)	6 (0.1)	1 (0.0)	6 (0.1)	5 (0.1)	6 (0.1)	1 (0.1)	1 (0.1)	14 (0.1)	19 (0.1)	35 (0.1)	24 (0.0)
<i>(c) Glands</i>												
For observation	62 (0.6)	51 (0.6)	36 (0.5)	24 (0.3)	16 (0.2)	15 (0.2)	1 (0.1)	3 (0.3)	115 (0.4)	93 (0.4)	183 (0.3)	159 (0.3)
For operation	5 (0.1)	4 (0.0)	2 (0.0)	4 (0.1)	—	1 (0.0)	—	—	7 (0.0)	9 (0.0)	1 (0.0)	12 (0.0)
Totals	1,716 (17.9)	1,502 (16.5)	449 (5.9)	505 (7.1)	217 (2.7)	285 (3.6)	11 (1.0)	23 (2.6)	2,656 (9.9)	2,315 (9.0)	4,531 (8.4)	4,426 (8.3)
<b>8. EYES</b>												
<i>(a) External Diseases</i>												
Blepharitis	66 (0.7)	47 (0.5)	69 (0.9)	59 (0.8)	86 (1.1)	99 (1.2)	4 (0.4)	—	227 (0.8)	208 (0.8)	564 (1.0)	466 (0.9)
Conjunctivitis	8 (0.1)	15 (0.2)	6 (0.1)	7 (0.1)	3 (0.0)	13 (0.2)	—	—	17 (0.1)	36 (0.1)	61 (0.1)	58 (0.1)
Corneal opacities	1 (0.0)	3 (0.0)	5 (0.1)	3 (0.0)	5 (0.1)	1 (0.0)	—	—	11 (0.0)	7 (0.0)	28 (0.1)	17 (0.0)
Strabismus	373 (3.9)	301 (3.3)	180 (2.4)	152 (2.1)	123 (1.5)	100 (1.3)	10 (1.0)	4 (0.5)	695 (2.6)	574 (2.2)	1,364 (2.5)	1,441 (2.7)
Other diseases	21 (0.2)	17 (0.2)	17 (0.2)	11 (0.2)	19 (0.2)	12 (0.2)	2 (0.2)	1 (0.1)	62 (0.2)	42 (0.2)	163 (0.3)	129 (0.2)
Totals	469 (4.0)	383 (4.2)	277 (3.2)	232 (3.3)	236 (2.9)	225 (2.8)	16 (1.4)	6 (0.6)	1,012 (3.8)	867 (3.5)	2,180 (4.0)	2,111 (4.0)





TABLE 11a—Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1961	1960
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.
10. SPEECH												
Defective articulation ...	193 (2.0)	91 (1.0)	33 (0.4)	15 (0.2)	8 (0.1)	9 (0.1)	—	—	238 (0.9)	119 (0.5)	294 (0.5)	327 (0.6)
Stammering ...	11 (0.1)	5 (0.1)	15 (0.2)	3 (0.0)	26 (0.3)	6 (0.1)	2 (0.2)	3 (0.3)	55 (0.2)	17 (0.1)	84 (0.2)	83 (0.2)
Totals ...	204 (2.1)	96 (1.1)	48 (0.6)	18 (0.3)	34 (0.4)	15 (0.2)	2 (0.2)	3 (0.3)	293 (1.1)	136 (0.5)	378 (0.7)	410 (0.8)
11. MENTAL AND NERVOUS CONDITION												
Backward ...	6 (0.1)	2 (0.0)	9 (0.1)	5 (0.1)	1 (0.0)	—	—	—	17 (0.1)	8 (0.0)	25 (0.0)	28 (0.1)
Dull ...	1 (0.0)	2 (0.0)	4 (0.1)	1 (0.0)	2 (0.0)	—	—	—	8 (0.0)	3 (0.0)	12 (0.0)	18 (0.0)
Mentally handicapped (educable)	—	—	—	—	—	—	—	—	—	—	1 (0.0)	1 (0.0)
" " (ineducable)	—	1 (0.0)	—	—	—	—	—	—	—	1 (0.0)	—	—
Highly nervous ...	37 (0.4)	31 (0.3)	22 (0.3)	27 (0.4)	9 (0.1)	12 (0.2)	—	2 (0.2)	70 (0.3)	74 (0.3)	124 (0.2)	99 (0.2)
Difficult in behaviour ...	8 (0.1)	1 (0.0)	2 (0.0)	2 (0.0)	—	—	—	—	11 (0.0)	4 (0.0)	13 (0.0)	14 (0.0)
Epilepsy (Mild) ...	17 (0.2)	14 (0.2)	11 (0.1)	10 (0.1)	9 (0.1)	18 (0.2)	—	—	37 (0.1)	42 (0.1)	84 (0.2)	71 (0.1)
" (Severe) ...	—	—	—	—	—	1 (0.0)	—	—	—	1 (0.0)	2 (0.0)	7 (0.0)
Totals ...	69 (0.7)	51 (0.5)	48 (0.6)	45 (0.5)	21 (0.2)	31 (0.4)	—	2 (0.2)	143 (0.5)	133 (0.5)	261 (0.5)	238 (0.4)

<b>12. CIRCULATORY SYSTEM</b>													
<b>(a) Organic Heart Disease</b>													
Congenital	...	...	...	...	...	...	...	...	...	...	...	...	
Acquired	...	...	...	...	...	...	...	...	...	...	...	...	
<b>(b) Functional Conditions</b>													
Totals	...	...	...	...	...	...	...	...	...	...	...	...	
	40	35	20	13	8	9	3	1	71	60	131	166	152
	(0.4)	(0.4)	(0.3)	(0.2)	(0.1)	(0.1)	(0.3)	(0.1)	(0.3)	(0.2)	(0.2)	(0.3)	(0.3)
	2	4	10	3	11	20	1	2	24	29	53	85	63
	(0.0)	(0.0)	(0.1)	(0.0)	(0.1)	(0.3)	(0.1)	(0.2)	(0.1)	(0.1)	(0.1)	(0.2)	(0.1)
	150	118	46	37	36	48	5	7	239	217	456	391	427
	(1.6)	(1.3)	(0.6)	(0.5)	(0.4)	(0.6)	(0.5)	(0.8)	(0.9)	(0.8)	(0.9)	(0.7)	(0.8)
	192	157	76	53	55	77	9	10	334	306	640	642	642
	(2.0)	(1.7)	(1.0)	(0.7)	(0.7)	(1.0)	(0.9)	(1.2)	(1.2)	(1.2)	(1.2)	(1.2)	(1.2)
<b>13. LUNGS</b>													
Chronic Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...
Suspected Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...
Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	...	...	...	...	...	...	...	...	...
	15	10	12	5	7	4	—	—	37	21	58	48	75
	(0.2)	(0.1)	(0.2)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
	9	3	4	5	4	6	—	—	18	14	32	76	50
	(0.1)	(0.0)	(0.1)	(0.1)	(0.0)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
	476	338	189	127	105	102	5	9	782	587	1,369	1,386	1,378
	(5.0)	(3.7)	(2.5)	(1.8)	(1.3)	(1.3)	(0.5)	(1.0)	(2.9)	(2.3)	(2.6)	(2.6)	(2.6)
	8	8	4	—	10	13	—	1	22	23	45	41	40
	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.2)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
	508	359	209	137	126	125	5	10	859	645	1,504	1,551	1,543
	(5.3)	(3.9)	(2.8)	(1.9)	(1.6)	(1.6)	(0.5)	(1.2)	(3.2)	(2.5)	(2.9)	(2.9)	(2.9)
<b>14. DEFORMITIES</b>													
<b>(a) Congenital</b>													
(b) Acquired	...	...	...	...	...	...	...	...	...	...	...	...	...
Infantile Paralysis	...	...	...	...	...	...	...	...	...	...	...	...	...
Probable Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebral Palsy	...	...	...	...	...	...	...	...	...	...	...	...	...
Other causes	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	...	...	...	...	...	...	...	...	...
	36	53	41	46	39	44	5	7	126	153	279	322	238
	(0.4)	(0.6)	(0.5)	(0.6)	(0.5)	(0.6)	(0.5)	(0.8)	(0.5)	(0.6)	(0.5)	(0.6)	(0.4)
	9	7	9	8	17	10	—	3	38	28	66	81	95
	(0.1)	(0.1)	(0.1)	(0.1)	(0.2)	(0.1)	(0.1)	(0.3)	(0.1)	(0.1)	(0.1)	(0.1)	(0.2)
	35	11	5	5	6	2	3	—	50	18	68	86	76
	(0.4)	(0.1)	(0.1)	(0.1)	(0.1)	(0.0)	(0.3)	(0.1)	(0.2)	(0.1)	(0.1)	(0.2)	(0.1)
	3	8	1	5	—	—	—	—	5	14	19	18	14
	(0.0)	(0.1)	(0.0)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.0)	(0.1)	(0.0)	(0.0)	(0.0)
	105	57	81	95	135	128	11	15	340	307	647	691	624
	(1.1)	(0.6)	(1.1)	(1.3)	(1.7)	(1.6)	(1.0)	(1.7)	(1.3)	(1.2)	(1.2)	(1.3)	(1.2)
	188	136	146	159	197	184	19	25	559	520	1,079	1,198	1,047
	(2.0)	(1.5)	(1.9)	(2.2)	(2.4)	(2.3)	(1.8)	(2.9)	(2.1)	(2.0)	(2.1)	(2.2)	(2.0)

TABLE 11a - Continued.

Age Groups	Entrants.		2nd age group.		3rd age group.		4th age group.		All ages.		1962 Totals.	1961 Totals.	1960 Totals.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.			
15. INFECTIOUS DISEASES ...	4 (0.0)	8 (0.1)	1 (0.0)	1 (0.0)	—	1 (0.0)	—	—	5 (0.0)	10 (0.0)	15 (0.0)	32 (0.0)	17 (0.0)
16. ASTHMA ...	74 (0.8)	41 (0.4)	66 (0.9)	14 (0.2)	57 (0.7)	35 (0.4)	4 (0.4)	2 (0.2)	207 (0.8)	94 (0.4)	301 (0.6)	235 (0.4)	271 (0.5)
17. DIABETES ...	2 (0.0)	4 (0.0)	1 (0.0)	4 (0.0)	8 (0.1)	8 (0.1)	—	2 (0.2)	15 (0.1)	18 (0.1)	33 (0.1)	11 (0.0)	8 (0.0)
18. OTHER DISEASES OR DEFECTS ...	429 (4.5)	449 (4.9)	275 (3.6)	358 (5.1)	243 (3.0)	276 (3.5)	19 (1.8)	30 (3.5)	986 (3.7)	1,153 (4.5)	2,139 (4.1)	2,260 (4.2)	2,010 (3.8)

**TABLE 11b.—ANALYSES OF DEFECTS LISTED AS "OTHERS" UNDER VARIOUS HEADINGS (From Table 11a)**

SKIN—OTHERS

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Alopecia Areata	7	1	3	3	2	5	2	—	14	9	23
Eczema	57	31	30	20	30	23	1	5	119	80	199
Dermatitis	—	10	—	4	—	4	—	—	1	18	19
Psoriasis	2	3	9	6	13	22	—	3	26	35	61
Ichthyosis	15	13	15	7	12	6	—	1	42	27	69
Urticaria	87	80	31	24	12	14	—	2	131	122	253
Warts	26	19	24	18	17	31	—	—	68	69	137
Abrasions	4	10	—	4	—	7	—	—	5	21	26
Septic Sores	42	22	24	19	25	16	1	4	93	63	156
Burns	7	—	—	—	—	—	1	—	8	—	8
Acne Vulgaris	—	—	—	—	27	110	19	18	47	128	175
Seborrhoea	10	4	8	7	7	8	2	3	27	22	49
Herpes Simplex	3	1	4	—	6	3	—	1	14	5	19
Herpes Zoster	—	—	2	1	—	—	—	—	2	1	3
Fleabites	2	—	—	—	—	—	—	—	—	2	2
Haemangioma	1	—	—	—	—	—	—	—	1	—	1
Tinea Corporis	—	—	—	—	—	1	—	—	—	1	1
Epidermophytosis	—	—	1	—	6	8	1	—	10	8	18
Intertrigo	2	—	—	—	—	—	—	—	1	—	1
Naevus	—	8	—	3	3	1	—	—	3	12	15
Erythema Nodosum	—	1	—	—	1	—	—	—	1	1	2
Chilblains	—	2	—	—	—	—	—	—	—	2	2
Pityriasis Rosacie	—	—	2	—	—	—	—	—	—	1	5
Molluscum Contagiosum	—	—	4	1	8	4	—	—	12	5	17
	265	205	157	117	170	264	27	37	629	632	1,261

NASO-PHARYNX—OTHER CONDITIONS

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Naso-Pharyngeal Infections ...	46	30	10	13	11	32	3	3	70	78	148
Nasal Polypus ...	1	—	—	—	—	—	—	—	1	—	1
Earache ...	—	—	—	2	—	4	—	—	—	6	6
Otitis Media ...	8	7	—	5	1	2	—	—	9	14	23
Otitis Externa ...	—	—	—	—	2	1	—	—	3	1	4
Wax in Ears ...	6	3	5	—	—	—	—	1	11	4	15
Perforated Tympanic Membrane ...	3	7	1	—	—	2	—	—	4	9	13
Recurring Parotitis ...	1	—	—	—	—	—	—	—	1	—	1
Deflected Nasal Septum ...	—	—	2	—	1	—	—	—	3	—	3
Deafness ...	—	—	1	—	1	—	—	1	3	—	3
Mastoidectomy ...	—	—	—	1	—	—	—	—	—	1	1
Eustachian Catarrh ...	—	—	—	—	4	—	—	—	4	—	4
Aural Obstruction ...	—	—	—	—	—	—	—	1	1	—	1
	65	47	19	21	20	41	6	4	110	113	223

EXTERNAL EYE—OTHER DISEASES

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Hordeolum ...	10	7	5	6	5	8	1	1	23	22	45
Ptosis ...	3	3	6	1	—	1	—	—	9	5	14
Nystagmus ...	4	1	2	1	5	—	—	—	12	2	14
Albinism ...	1	—	—	—	—	1	—	—	1	1	2
Colour Blindness ...	—	—	—	—	—	—	2	—	2	—	2
Coloboma ...	1	—	1	—	—	—	—	—	2	—	2
Corneal Ulcer ...	—	1	—	—	—	—	—	—	—	1	1
Conjunctivitis ...	—	—	—	—	1	—	—	—	2	—	2
Dacryocystitis ...	—	2	—	—	—	3	—	—	—	5	5
Subconjunctival Haemorrhage ...	—	—	—	—	—	—	—	1	—	1	1
Chalazion ...	—	1	—	—	—	—	—	—	—	1	1
Corneal Cyst ...	—	—	1	—	—	—	—	—	—	1	1
Congenital Cataract ...	—	—	—	1	—	1	—	—	—	2	2
Epicanthus ...	—	—	—	—	1	—	—	—	1	—	1
Retinal Detachment ...	—	—	—	—	2	—	—	—	2	—	2
	19	15	15	9	14	14	4	2	54	41	95

OTHER DISEASES OR DEFECTS

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Anaemia	36	32	17	41	15	35	2	11	72	128	200
Debility	70	60	57	52	12	27	2	1	142	148	290
Obesity	10	32	42	96	111	161	5	10	175	307	482
Abdominal Hernia	—	—	1	—	—	—	—	—	1	—	1
Inguinal Hernia	9	3	5	—	1	—	—	—	15	3	18
Hiatus Hernia	—	—	—	1	—	—	—	—	—	1	1
Umbilical Hernia	9	9	2	2	—	—	—	—	11	11	22
Genito-urinary Malformations	9	—	5	—	—	—	—	—	14	—	14
Genito-urinary Conditions	—	3	—	1	—	10	1	3	1	17	18
Hydronephrosis	2	—	—	—	—	—	—	—	2	—	2
Nephritis	2	—	—	3	1	—	—	—	4	3	7
Polycystic Kidney	1	—	—	—	—	—	—	—	1	—	1
Coeliac Disease	6	5	3	4	2	4	—	—	11	13	24
Duodenal Ulcer	—	—	—	—	1	—	—	—	1	1	2
Digestive Abnormality	—	7	—	—	3	3	—	—	4	11	15
Abdominal Colic	—	—	—	—	6	—	—	—	6	—	6
Infections of Alimentary Tract	—	—	—	6	—	—	—	—	—	6	6
Threadworms	2	2	—	—	—	1	—	—	3	4	7
Haemorrhoids	—	—	—	—	1	—	—	—	1	—	1
Rectal Prolapse	1	—	—	—	—	—	—	—	1	—	1
Fibrocystic Disease of Pancreas	1	—	—	—	—	—	—	—	1	—	1
Jaundice	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis of Liver	—	—	—	—	—	1	—	—	—	1	1
Migraine	8	4	6	7	5	8	1	—	21	21	42
Rheumatism	1	7	5	9	6	12	—	1	12	30	42
Chorea	1	—	—	—	—	—	—	—	1	—	1

OTHER DISEASES OR DEFECTS—continued

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Raynaud's Disease ...	—	—	—	—	—	—	—	—	—	—	1
Headaches following Fractured Skull ...	—	—	—	—	—	—	—	—	—	—	1
Brain Tumour ...	1	—	—	—	—	—	—	—	1	—	1
Enuresis ...	216	255	102	110	37	30	—	—	357	404	761
Encopresis ...	3	1	1	1	1	—	—	—	5	2	7
Alveolar Infection ...	—	—	—	1	—	—	—	—	—	1	1
Tics ...	—	3	—	2	—	—	—	—	—	5	5
Purpura ...	1	—	—	—	—	—	—	—	1	—	1
Myasthenia Gravis ...	—	—	—	—	—	1	—	—	—	1	1
Haemophilia ...	2	—	2	—	—	—	—	—	4	—	4
Hyperthyroidism ...	1	—	—	3	—	—	—	—	1	3	4
Thyroid Enlargement ...	—	—	—	—	—	6	—	—	—	6	6
	392	423	248	339	202	299	11	27	871	1,128	1,999



DEFORMITIES—OTHER CAUSES

	Entrants		2nd Age Group		3rd Age Group		4th Age Group		All Ages		Totals
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
	Injury ...	21	9	12	14	31	19	—	—	64	
Enucleation of Eye ...	1	1	3	2	3	1	—	—	7	4	11
Paresis of Eyelid ...	—	—	—	—	—	—	—	—	1	—	1
Amblyopia ...	—	—	—	—	2	—	—	—	3	—	3
Pes Cavus ...	2	—	—	—	—	—	—	—	2	—	2
Pes Planis ...	47	10	17	26	27	23	2	4	97	64	161
Talipes Valgus ...	7	—	3	3	6	3	—	—	16	6	22
Talipes Varus ...	—	—	4	—	—	—	—	—	4	—	4
Postural Kyphosis ...	11	16	40	49	61	61	7	7	124	134	258
Muscular Dystrophy ...	1	—	—	—	—	—	—	—	1	—	1
Infection (Tuberculous)	3	—	—	—	3	—	—	2	6	2	8
Infection ...	—	3	1	3	2	4	—	—	3	10	13
Genu Valgum ...	25	18	—	2	—	2	—	—	25	24	49
Pigeon Chest ...	6	5	2	—	3	—	—	—	11	5	16
Hallux Valgus ...	1	—	—	—	2	18	—	3	3	21	24
Amputation of Limb ...	1	—	—	1	4	1	—	—	7	2	9
Hemiplegia ...	—	—	2	—	—	—	—	—	2	—	2
Facial Palsy ...	—	—	1	—	1	—	—	—	2	—	2
Erb's Palsy ...	—	—	1	1	—	1	—	—	1	2	3
Nephrectomy ...	—	—	1	—	—	—	—	—	1	—	1
Hand-Schüller—Christian Disease	—	—	1	—	—	—	—	—	1	—	1
Slipped Epiphysis ...	—	—	—	—	2	—	—	—	2	—	2
Multiple Exostosis ...	—	—	—	—	—	—	—	1	—	1	1
	126	62	90	101	147	133	9	19	383	319	702

*Note.* Discrepancies between totals in Tables IIa and IIb were due in most cases to the loss of the original Hollerith card. Where the figures in Table IIb were the greater, this was because many cards had several other causes recorded but only the major defect in any section was recorded by the Hollerith machine.

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.		1961	1960	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Totals.	Totals.	
Parents present at examination ...	8,919 (93.2)	8,446 (92.7)	4,512 (59.6)	4,700 (66.4)	1,049 (13.0)	1,023 (12.9)	25 (2.4)	24 (2.8)	14,704 (54.8)	14,501 (56.4)	29,205 (55.6)	29,563 (54.6)	30,425 (57.1)
Children notified to parents as requiring treatment :—													
(a) Defects of clothing and/or cleanliness and trivial caries of the temporary teeth	1,179 (12.3)	1,301 (14.3)	659 (8.7)	680 (9.6)	230 (2.8)	392 (4.9)	16 (1.5)	16 (1.8)	2,113 (7.9)	2,435 (9.5)	4,548 (8.7)	4,847 (8.9)	4,727 (8.9)
By printed notice.	135 (1.4)	292 (3.2)	181 (2.4)	390 (5.5)	235 (2.9)	546 (6.9)	5 (0.5)	1 (0.1)	574 (2.1)	1,262 (4.9)	1,836 (3.5)	1,861 (3.4)	2,033 (3.8)
(b) Other defects ...	2,330 (24.3)	2,024 (22.2)	1,293 (17.1)	1,211 (17.1)	1,036 (12.8)	1,270 (16.0)	124 (11.8)	142 (16.4)	4,862 (18.1)	4,782 (18.6)	9,644 (18.4)	9,328 (17.2)	8,482 (15.9)
By printed notice.	978 (10.2)	795 (8.7)	797 (10.5)	751 (10.6)	771 (9.5)	829 (10.4)	31 (3.0)	20 (2.3)	2,635 (9.8)	2,457 (9.6)	5,092 (9.7)	5,745 (10.6)	6,656 (12.5)
Children noted for re-inspection :—													
(a) Defects of clothing, etc. (as above) ...	845 (8.8)	1,080 (11.9)	527 (7.0)	767 (10.8)	374 (4.6)	936 (11.8)	13 (1.2)	20 (2.3)	1,793 (6.7)	2,883 (11.2)	4,676 (8.9)	4,790 (8.8)	4,588 (8.6)
(b) Other defects ...	3,322 (34.7)	2,882 (31.6)	2,284 (30.2)	2,102 (29.7)	2,010 (24.8)	2,405 (30.2)	190 (18.1)	216 (24.9)	7,964 (29.7)	7,830 (30.5)	15,794 (30.1)	16,467 (30.4)	16,139 (30.3)
Children excluded from attendance at school ...	28 (0.3)	20 (0.2)	8 (0.1)	15 (0.2)	8 (0.1)	22 (0.3)	1 (0.1)	—	46 (0.2)	59 (0.2)	105 (0.2)	124 (0.2)	153 (0.3)
Children "free from defects" in terms of Table III :—													
(a) No recorded defect ...	3,888 (40.6)	3,744 (41.1)	3,904 (51.7)	3,455 (48.8)	5,844 (72.2)	4,957 (62.3)	843 (80.5)	655 (75.5)	14,817 (55.3)	13,175 (51.3)	27,992 (53.3)	28,903 (53.4)	28,229 (53.0)
(b) Defects of clothing only ...	—	2 (0.0)	4 (0.1)	—	6 (0.1)	3 (0.0)	—	—	10 (0.0)	5 (0.0)	15 (0.0)	22 (0.0)	18 (0.0)
(c) Defects of cleanliness only ...	72 (0.8)	284 (3.1)	78 (1.0)	404 (5.7)	111 (1.4)	640 (8.0)	—	1 (0.1)	275 (1.0)	1,392 (5.4)	1,667 (3.2)	1,513 (2.8)	1,707 (3.2)
(d) Minor dental defect with or without clothing and/or cleanliness defect(s) ...	1,960 (20.5)	1,935 (21.2)	1,152 (15.2)	991 (14.0)	7 (0.1)	—	—	—	3,146 (11.7)	2,949 (11.5)	6,095 (11.6)	6,019 (11.1)	5,901 (11.1)

Teeth—	Sound	...	...	6,166 (64.4)	5,915 (64.9)	5,504 (72.7)	5,282 (74.6)	6,649 (82.2)	6,558 (82.4)	992 (94.7)	822 (94.8)	19,718 (73.5)	19,093 (74.3)	38,811 (73.9)	39,899 (73.7)	39,879 (74.8)
	One to four decayed	...	...	2,765 (28.9)	2,616 (28.7)	1,924 (25.4)	1,680 (23.7)	1,362 (16.8)	1,301 (16.4)	50 (4.8)	42 (4.8)	6,230 (23.2)	5,792 (22.5)	12,022 (22.8)	12,482 (23.1)	11,862 (22.3)
	Five or more decayed	...	...	638 (6.7)	582 (6.4)	139 (1.8)	116 (1.6)	80 (1.0)	98 (1.2)	5 (0.5)	3 (0.3)	866 (3.2)	813 (3.2)	1,679 (3.2)	1,819 (3.4)	1,560 (2.9)
	Visual acuity (Snellen) :—															
	{ With glasses—															
	{ Good, 6/6 ...			409 (5.4)	477 (6.7)	182	183	152	210	191 (18.2)	203 (23.4)	1,250 (7.3)	1,565 (9.4)	2,815 (8.3)	3,085 (8.5)	3,063 (8.7)
	{ Fair, 6/9, 6/12			39 (2.4)	28 (2.6)	39	27	27	36	30 (2.9)	37 (4.3)	373 (2.2)	442 (2.7)	815 (2.4)	833 (2.3)	941 (2.7)
	{ Bad, 6/18, etc.			0.5	0.4	0.5	0.3	0.5	0.5	3 (0.3)	9 (1.0)	70 (0.4)	74 (0.4)	144 (0.4)	147 (0.4)	142 (0.4)
	Children who wore glasses at examination															
	{ Without glasses															
	{ Good, 6/6 ...			231 (3.1)	250 (3.5)	207	219	189	282	44 (4.2)	59 (6.8)	486 (2.8)	626 (3.8)	1,112 (3.3)	1,214 (3.4)	1,258 (3.6)
	{ Fair, 6/9, 6/12			192 (2.7)	219 (3.1)	192	219	409	506	45 (4.3)	41	459 (2.7)	558 (3.4)	1,017 (3.0)	1,066 (2.9)	1,155 (3.3)
	{ Bad, 6/18, etc.			2.5	3.1	2.5	3.1	5.1	6.4	135 (12.9)	149 (17.2)	748 (4.3)	897 (5.4)	1,645 (4.9)	1,775 (4.9)	1,733 (4.9)
	Children not wearing glasses at examination															
	{ Good, 6/6 ...			6,316 (83.6)	5,824 (82.4)	496	457	505	533	739 (70.6)	580 (66.9)	14,102 (81.8)	13,089 (79.0)	27,191 (80.4)	29,268 (80.8)	28,119 (79.7)
	{ Fair, 6/9, 6/12			117 (6.6)	101 (6.5)	117	101	197	205	60 (5.7)	27 (3.1)	1,096 (6.4)	1,070 (6.5)	2,166 (6.4)	2,151 (5.9)	2,308 (6.5)
	{ Bad, 6/18, etc.			1.5	1.4	1.5	1.4	2.4	2.6	24 (2.3)	11 (1.3)	344 (2.0)	332 (2.0)	676 (2.0)	728 (2.0)	709 (2.0)
	Diphtheria Immunisation															
	{ Partial			94 (1.2)	88 (1.2)	94	88	38	24	—	—	253 (0.9)	250 (1.0)	503 (1.0)	343 (0.6)	399 (0.7)
	{ Completed			7,236 (66.6)	6,793 (67.2)	7,236	6,793	7,778	7,678	993 (94.8)	840 (96.9)	22,873 (85.3)	22,055 (85.8)	44,928 (85.6)	46,605 (86.1)	45,662 (85.7)
	{ Not immunised			3,080 (32.2)	2,853 (31.3)	237 (3.1)	197 (2.8)	275 (3.4)	255 (3.2)	54 (5.2)	27 (3.1)	3,688 (13.8)	3,393 (13.2)	7,081 (13.5)	7,254 (13.4)	7,240 (13.6)
	Smallpox Vaccination															
	{ Successful vaccination			4,664 (48.7)	4,408 (48.4)	3,715 (49.1)	3,579 (50.6)	5,066 (62.6)	4,962 (62.4)	895 (85.5)	749 (86.4)	14,625 (54.5)	14,059 (54.7)	28,684 (54.6)	31,526 (58.2)	31,083 (58.3)
	{ Successful re-vaccination			5 (0.1)	4 (0.0)	2 (0.0)	14 (0.2)	20 (0.2)	5 (0.1)	7 (0.7)	5 (0.6)	35 (0.1)	29 (0.1)	64 (0.1)	37 (0.1)	109 (0.2)
	{ Unsuccessful or no vaccination			4,900 (51.2)	4,701 (51.6)	3,850 (50.9)	3,485 (49.2)	3,005 (37.1)	2,990 (37.6)	145 (13.8)	113 (13.0)	12,154 (45.3)	11,610 (45.2)	23,764 (45.3)	22,637 (41.7)	22,109 (41.5)

**TABLE III.**—*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 1961-62 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 ... ..	669	562	105	92	774	654
Average age (in months beyond year of age) ... ..	5.74	6.07	8.18	7.79	6.07	6.31
Height (in inches) ... ..	67.71	61.81	66.97	63.03	67.61	62.02
Weight (in pounds) ... ..	137.02	124.51	134.08	122.42	136.62	124.21

**PUPILS IN OTHER AGE-GROUPS**

On page 58 is a table showing the averages of 5, 9 and 13 year-olds in 1962 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 1953. 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.** In four of the six columns, second highest place was reached—heights and weights of “ transferred ” and “ all ” pupils.
- (b) **GIRLS.** The highest point was attained in each series.

(2) **PUPILS AGED NINE YEARS**

- (a) **BOYS.** Improved average measurements were recorded in each series, highest point being reached in five instances and second highest in the remaining column.
- (b) **GIRLS.** In two of the six columns the highest point was attained and in the remaining four columns the second highest place in each series was reached.

(3) **PUPILS AGED THIRTEEN YEARS**

- (a) **BOYS.** Highest place was reached in each of five series and second highest in one (weight of “ transferred ” pupils).
- (b) **GIRLS.** Highest place was reached in five instances and the second highest in the remaining column (weight of “ transferred ” pupils).

**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.	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.
<b>No. of Boys &amp; Age (months)*</b>	5,613 (3.86)		3,297 (4.29)		8,910 (4.02)		3,947 (6.35)		2,212 (5.83)		6,159 (6.16)		4,877 (5.81)		2,208 (5.76)		7,085 (5.79)	
<b>Actual Average Measurements</b>	42.70	42.65	42.61	42.37	42.66	42.54	51.99	65.27	51.59	63.71	51.85	64.71	60.43	98.45	59.39	94.01	60.10	97.07
<b>Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 5 yrs. 5 mths., and 13 yrs. 5 mths. respectively)</b>	42.76	42.68	42.61	42.29	42.66	42.54	51.78	64.66	51.46	63.33	51.67	64.18	60.28	97.82	59.25	93.42	59.96	96.45
	42.76	42.68	42.56	42.30	42.66	42.54	51.78	64.66	51.46	63.33	51.67	64.18	60.28	97.82	59.25	93.42	59.96	96.45
	42.76	42.68	42.46	42.34	42.65	42.64	51.77	64.44	51.35	63.16	51.63	64.01	60.04	96.91	59.20	93.74	59.80	95.90
	42.60	42.37	42.47	42.17	42.56	42.30	51.75	64.45	51.24	62.57	51.58	63.82	60.04	96.01	59.16	93.00	59.79	95.17
	42.79	42.72	42.44	42.11	42.67	42.51	51.81	64.30	51.33	62.50	51.66	63.73	60.01	95.86	58.99	92.62	59.70	94.88
	42.70	42.61	42.62	42.29	42.67	42.50	51.81	64.37	51.26	62.50	51.64	63.71	59.98	95.97	58.95	92.21	59.70	94.96
	42.66	42.62	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
	42.56	42.64	42.31	41.87	42.48	42.38	51.60	63.97	51.08	62.13	51.45	63.42	59.39	92.85	58.56	89.83	59.13	91.91
	42.51	42.48	42.27	41.79	42.43	42.26	51.56	63.77	50.94	62.10	51.37	63.26	59.30	92.65	58.43	89.73	59.04	91.78
	42.53	42.32	42.19	41.49	42.43	42.05	51.63	63.81	50.85	61.63	51.40	63.16	59.27	91.85	58.40	88.90	59.01	90.93
	42.59	42.27	42.23	41.61	42.48	42.07	51.38	62.55	50.83	61.13	51.22	62.14	59.20	91.25	58.40	88.13	58.96	90.33
<b>No. of Girls &amp; Age (months)*</b>	5,439 (4.22)		3,118 (4.53)		8,557 (4.33)		3,688 (6.32)		1,877 (6.41)		5,565 (6.35)		4,765 (5.61)		2,118 (5.21)		6,883 (5.48)	
<b>Actual Average Measurements</b>	42.47	41.52	42.33	41.29	42.42	41.44	51.64	64.09	51.30	62.56	51.52	63.58	60.64	103.31	59.87	100.21	60.40	102.35
<b>Adjusted Average Measurements (uniform ages of 5 yrs. 4 mths., 5 yrs. 5 mths., and 13 yrs. 5 mths. respectively)</b>	42.44	41.47	42.25	41.16	42.37	41.36	51.41	63.41	51.05	61.84	51.29	62.88	60.55	102.76	59.83	100.01	60.33	101.91
	42.38	41.37	42.16	40.98	42.30	41.24	51.41	63.74	51.01	62.12	51.27	63.20	60.35	102.01	59.78	100.40	60.17	101.52
	42.37	41.31	42.08	40.49	42.27	41.01	51.34	63.12	50.70	61.23	51.11	62.46	60.05	101.82	59.49	98.41	60.07	100.85
	42.35	41.14	42.18	40.58	42.29	40.95	51.36	62.92	50.89	60.95	51.21	62.28	60.36	100.64	59.60	98.31	60.14	99.96
	42.38	41.27	42.17	40.64	42.31	41.06	51.46	63.18	50.80	60.93	51.25	62.44	60.21	100.27	59.31	97.22	59.96	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	59.38	97.10	59.90	98.98
	42.16	41.17	41.91	40.47	42.13	40.94	51.17	62.76	50.57	60.57	50.99	62.11	59.94	97.92	59.09	95.24	59.67	97.12
	42.13	41.16	41.80	40.13	42.02	40.83	51.06	62.35	50.56	60.75	50.91	61.88	59.83	96.80	58.84	94.43	59.51	96.03
	42.18	41.03	41.75	39.97	42.04	40.69	51.06	61.76	50.30	59.48	50.83	61.08	59.75	96.40	58.94	93.34	59.48	95.41
	42.26	40.73	41.95	40.13	42.16	40.54	50.94	60.89	50.22	58.66	50.73	60.24	59.76	94.87	58.78	93.00	59.45	94.29

\* Beyond years of age given at head of sections.

**APPENDIX II.—VISUAL ACUITY OF CHILDREN BORN IN 1954.**

The eyesight testing of children approximately 7 years old was again included in the annual scheme of systematic medical inspection of school children at the request of the Department of Health for Scotland. Detailed results of inspection during the period are given below under the relative sub-headings, and columns of 1961 and 1960 totals are also supplied for the purpose of comparison.

*Results of Eysight (Snellen) Test.*

		No. and percentage			1961	1960
		Boys	Girls	Totals	Totals	Totals
Children who wore glasses at examination.	With Glasses—					
	Good, 6/6 ...	165 (2·1)	156 (2·1)	321 (2·1)	308 (2·2)	314 (2·2)
	Fair, 6/9, 6/12 ...	221 (2·8)	261 (3·4)	482 (3·1)	405 (2·8)	528 (3·6)
	Bad, 6/18, etc. ...	57 (0·7)	49 (0·7)	106 (0·7)	118 (0·8)	94 (0·6)
	Without Glasses—	80	77	157	158	136
	Good, 6/6 ...	185 (1·0)	214 (1·0)	399 (1·0)	346 (1·1)	394 (0·9)
Fair, 6/9, 6/12 ...	178 (2·3)	175 (2·8)	353 (2·6)	327 (2·4)	406 (2·7)	
Bad, 6/18, etc. ...	178 (2·3)	175 (2·3)	353 (2·3)	327 (2·3)	406 (2·7)	
Children not wearing glasses at examination	Good, 6/6 ...	5,305 (67·2)	4,969 (65·6)	10,274 (66·4)	9,943 (69·5)	9,922 (67·9)
	Fair, 6/9, 6/12 ...	1,785 (22·6)	1,791 (23·7)	3,576 (23·1)	2,847 (19·9)	3,121 (21·3)
	Bad, 6/18, etc. ...	362 (4·6)	346 (4·6)	708 (4·6)	684 (4·8)	625 (4·3)
Totals ...		7,895	7,572	15,467	14,305	14,604

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

		No. and percentage.			1961	1960
		Boys	Girls	Totals	Totals	Totals
Good, 6/6 ...	...	5,470 (69·3)	5,125 (67·7)	10,595 (68·5)	10,251 (71·7)	10,236 (70·1)
Fair, 6/9, 6/12 ...	...	2,006 (25·4)	2,052 (27·1)	4,058 (26·2)	3,252 (22·7)	3,649 (25·1)
Bad, 6/18, etc. ...	...	419 (5·3)	395 (5·2)	814 (5·2)	802 (5·6)	719 (4·9)
Totals ...		7,895	7,572	15,467	14,305	14,604

Of those with defective eyesight, 1,009 (515 boys and 494 girls) were recommended for refraction or for re-test.

**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 ... ..	5,920 (61.9)	5,965 (65.5)	11,885 (63.6)	5,138 (67.9)	4,850 (68.5)	9,988 (68.2)
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 ... ..	8 (0.1)	4 (0.0)	12 (0.1)	501 (6.6)	487 (6.9)	988 (6.7)
(b) Oral Sepsis ... ..	82 (0.9)	67 (0.7)	149 (0.8)	50 (0.7)	48 (0.7)	98 (0.7)
(c) Both (a) and (b) ... ..	—	—	—	6 (0.1)	3 (0.0)	9 (0.1)
Totals ... ..	90 (0.9)	71 (0.8)	161 (0.9)	557 (7.4)	538 (7.6)	1,095 (7.5)
III. Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks ...	1,808 (18.9)	1,665 (18.3)	3,473 (18.6)	949 (12.5)	793 (11.2)	1,742 (11.9)
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 ... ..	1,305 (13.6)	1,066 (11.7)	2,371 (12.7)	625 (8.3)	663 (9.4)	1,288 (8.8)
(b) Where improvement only is considered possible, <i>e.g.</i> , without complete restoration of function	437 (4.6)	334 (3.7)	771 (4.1)	289 (3.8)	222 (3.1)	511 (3.5)
Totals ... ..	1,742 (18.2)	1,400 (15.4)	3,142 (16.8)	914 (12.1)	885 (12.5)	1,799 (12.3)
V. Children suffering from defects from which improvement is not considered possible ... ..	9 (0.1)	12 (0.1)	21 (0.1)	9 (0.1)	12 (0.2)	21 (0.1)
<b>Total numbers of children examined ...</b>	<b>9,569</b>	<b>9,113</b>	<b>18,682</b>	<b>7,567</b>	<b>7,078</b>	<b>14,645</b>

\* Includes 1,223 children

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

EXAMINED IN PERCENTAGES).						NO. OF CHILDREN EXAMINED (AND PERCENTAGES).				
Third Age Group			Fourth Age Group			* All Ages Totals, 1962			Totals, 1961	Totals, 1960
Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total		
5,968 (73·8)	5,600 (70·4)	11,568 (72·1)	843 (80·5)	656 (75·7)	1,499 (78·3)	18,248 (68·1)	17,521 (68·1)	35,769 (68·1)	36,457 (67·4)	35,855 (67·3)
555 (6·9)	584 (7·3)	1,139 (7·1)	79 (7·5)	55 (6·3)	134 (7·0)	1,177 (4·4)	1,176 (4·6)	2,353 (4·5)	2,300 (4·3)	2,527 (4·7)
87 (1·1)	80 (1·0)	167 (1·0)	5 (0·5)	4 (0·5)	9 (0·5)	227 (0·8)	208 (0·8)	435 (0·8)	524 (1·0)	502 (0·9)
9 (0·1)	13 (0·2)	22 (0·1)	1 (0·1)	—	1 (0·1)	17 (0·1)	17 (0·1)	34 (0·1)	24 (0·0)	21 (0·0)
651 (8·0)	677 (8·5)	1,328 (8·3)	85 (8·1)	59 (6·8)	144 (7·5)	1,421 (5·3)	1,401 (5·5)	2,822 (5·4)	2,848 (5·3)	3,050 (5·7)
638 (7·9)	780 (9·8)	1,418 (8·8)	61 (5·8)	65 (7·5)	126 (6·6)	3,506 (13·1)	3,393 (13·2)	6,899 (13·1)	7,436 (13·7)	7,235 (13·6)
496 (6·1)	583 (7·3)	1,079 (6·7)	33 (3·2)	54 (6·2)	87 (4·5)	2,494 (9·3)	2,431 (9·5)	4,925 (9·4)	5,185 (9·6)	4,922 (9·2)
321 (4·0)	305 (3·8)	626 (3·9)	24 (2·3)	32 (3·7)	56 (2·9)	1,104 (4·1)	914 (3·6)	2,018 (3·8)	2,190 (4·0)	2,139 (4·0)
817 (10·1)	888 (11·2)	1,705 (10·6)	57 (5·4)	86 (9·9)	143 (7·5)	3,598 (13·4)	3,345 (13·0)	6,943 (13·2)	7,375 (13·6)	7,061 (13·2)
17 (0·2)	12 (0·2)	29 (0·2)	1 (0·1)	1 (0·1)	2 (0·1)	41 (0·2)	38 (0·1)	79 (0·2)	84 (0·2)	100 (0·2)
8,091	7,957	16,048	1,047	867	1,914	26,814	25,698	52,512	54,200	53,301

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"—14,287 children were presented for "non-routine" inspection (generally on account of defect observed or suspected by teachers); 12,956 of these were pupils in ordinary schools and 1,331 in special schools.

Some of these children were found on examination to have more than one defect. The individual results were: nits minor, 651; nits major and/or vermin, 138; skin condition, 1,390; eye conditions (including defective vision), 3,951; ear, nose and throat defects, 1,237; "general" defects, 5,470; defective teeth, 242; no apparent disease, 101; and other causes, 1,107.

RE-INSPECTION BY MEDICAL OFFICER OF "ABNORMALS."—The total number of re-inspections was 16,783. Of these, 6,879 (41.0 *per cent.*) were found to be receiving treatment at the school clinics, 4,602 (27.4 *per cent.*) were being treated elsewhere, 4,089 (24.4 *per cent.*) did not require treatment, and 1,213 (7.2 *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 76).

### **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—10,338 pupils presented themselves.

(b) HOLIDAY CAMPS, EXCURSIONS, 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. Similar arrangements were made in connection with pupils proceeding on educational excursions and on holidays abroad.

(i) *School, Junior Club and Play Centre Holiday Camps (June-July, 1962).*

	Boys		Girls	
	Preliminary Inspection	Final Inspection	Preliminary Inspection	Final Inspection
	No. and %	No. and %	No. and %	No. and %
Fit ... ..	2,459 (90.1)	2,762 (98.8)	2,007 (85.9)	2,420 (96.0)
*Fit? ... ..	255 (9.4)	1 (0.0)	314 (13.4)	29 (2.9)
Unfit ... ..	14 (0.5)	33 (1.2)	15 (0.6)	73 (1.1)
Totals ... ..	2,728	2,796	2,336	2,522

\* Doubtful fitness.

(ii) *Educational Excursions and Holidays at home and abroad (Spring and Summer, 1962).*

	Boys.		Girls.	
	Preliminary Inspection	Final or Only Inspection	Preliminary Inspection	Final or Only Inspection
	No. and %	No. and %	No. and %	No. and %
Fit ... ..	849 (96.9)	2,258 (97.3)	1,054 (94.3)	2,317 (96.8)
*Fit? ... ..	23 (2.6)	31 (1.3)	55 (4.9)	56 (2.3)
Unfit ... ..	4 (0.5)	31 (1.3)	9 (0.8)	20 (0.8)
Totals ... ..	876	2,320	1,118	2,393

\* Doubtful fitness.

**APPENDIX IIIc.—CLEANLINESS INSPECTION IN SCHOOLS BY NURSES.**

See Report for 1959, page 83.

Compared with the previous Session, the Cleanliness Inspectresses reported some improvement among the boys and girls in respect of the minor condition (nits) at first inspection. At re-inspection the boys showed some improvement for the minor condition.

*Cleanliness Inspectresses of the School Health Service.*

	Boys		Girls	
	1962.	1961.	1962.	1961.
<i>First Inspections.</i>				
Examined ...	61,746	61,563	61,811	62,815
Infested ...	678 (1.1)	435 (0.7)	2,065 (3.3)	1,615 (2.6)
Infected ...	2,135 (3.5)	2,542 (4.1)	7,729 (12.5)	8,650 (13.8)
<i>Re-inspections.</i>				
Examined	7,113	13,287	15,100	25,735
Infested ...	295 (4.1)	386 (2.9)	1,641 (10.9)	2,177 (8.5)
Infected ...	1,307 (18.4)	2,587 (19.5)	6,444 (42.7)	10,852 (42.2)

In 336 instances, formal notices to cleanse children within 24 hours were issued, mainly by Cleanliness Inspectresses and Senior Woman Assistants. On re-inspection, 72 were found to have been cleansed at home by the parents and 83 to have been compulsorily disinfested at school or clinic.

Under Section 61 of the Education (Scotland) Act, 1962, 44 cases were referred to the Procurator Fiscal during the course of the year. Of that total 2 were admonished, and on the remainder fines were imposed as follows :—1 of £5, 1 of £3, 1 of £1 10s., 29 of £1 and 10 of 10s.

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

See Report for 1959, page 85.

The following table gives the percentages of children in the 24 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) ...	83.6	68.1	85.0	73.5
All twenty-four selected schools ... ..	88.5	77.0	89.4	78.1

In the *six original schools* the percentages at first inspection were lower than those of the previous year. At second inspection, however, there was some improvement.

For *all selected schools* only the boys at first inspection showed improvement, although the percentages generally compared favourably with those in previous years.

**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 ... ..	7	—	28	35
2. PARTIALLY SIGHTED—				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	4	—	—	4
(b) Other conditions of the eye, e.g., cataract, ulceration, etc., which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school ... ..	59	—	—	59
3. DEAF—Grade IIB ... ..	70	—	—	70
Grade III ... ..	104	—	—	104
4. DEFECTIVE SPEECH				
(a) Defects of articulation requiring special educational measures ... ..	3	—	—	3
(b) Stammering requiring special educational measures ... ..				
5. MENTALLY HANDICAPPED— (Children between 5 and 16 years)—				
(a) Educable (I.Q. approx. 50-70) ... ..	2,518	—	100	2,618
(b) Ineducable (I.Q. generally less than 50) ... ..	469	61	126	656
6. EPILEPSY—				
(a) Mild and occasional ... ..	39	—	9	48
(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) ... ..	16	—	—	16
(b) General orthopaedic conditions ... ..	152	*8	47	207
(c) Organic heart disease ... ..	24	*3	—	27
(d) Other causes of ill-health	152	*29	40	221

\* Home Tuition cases.

8. MULTIPLE DEFECTS (included in the figures on the previous page)—  
Children between 5 and 16 years of age :—

(a) *Mentally handicapped*

and physically handicapped as listed :—

	At Special Schools (Educable)	At Occup. Centres (Ineducable but trainable)	At no school or institution (Ineducable)	At hospital or other institution (Ineducable)
(i) blind ... ..	—	4	1	5
(ii) partially sighted ...	3	31	1	—
(iii) deaf ... ..	—	—	—	—
(iv) partially deaf ...	30	10	—	—
(v) defective speech (severe) ... ..	10	14	—	1
(vi) epilepsy ... ..	58	38	9	20
(vii) non-pulmonary tuberculosis (excl. cervical glands) ... ..	8	1	—	—
(viii) infantile paralysis	5	1	1	—
(ix) cerebral palsy ...	21	25	18	9
(x) other orthopaedic defects ... ..	10	24	9	7
(xi) organic heart disease ... ..	8	20	—	—
(xii) chronic bronchitis	16	8	—	—
(xiii) anaemia and debility	10	5	—	—
(xiv) mongolism ... ..	3	120	1	8
(xv) other causes of ill-health ...	56	52	2	1
	<u>238</u>	<u>362</u>	<u>42</u>	<u>51</u>

(b) *Physically handicapped only*

at special schools 94.

**TABLE V.—DENTAL INSPECTION AND TREATMENT.**

DENTAL INSPECTION.

NUMBER OF CHILDREN INSPECTED BY THE DENTAL OFFICERS.				1962			1961	1960
				System- atic Exam- inations	Other Cases	Totals	Totals	Totals
AGE								
4	...	...	...	6	—	6	7	14
5	...	...	...	5,078	—	5,078	5,388	6,056
6	...	...	...	5,847	—	5,847	6,117	7,124
7	...	...	...	5,457	—	5,457	5,869	6,765
8	...	...	...	5,185	—	5,185	5,673	6,696
9	...	...	...	5,101	—	5,101	5,328	6,778
10	...	...	...	4,989	—	4,989	5,576	6,589
11	...	...	...	4,760	—	4,760	5,283	7,117
12	...	...	...	1,654	—	1,654	2,091	2,639
13	...	...	...	20	—	20	17	24
14	...	...	...	24	—	24	11	76
15	...	...	...	24	—	24	5	74
Over 15	...	...	...	1	—	1	—	—
Totals ... ..				38,146	—	38,146	41,365	49,954
No. of schools inspected				88	—	88	91	111
Half-days spent at inspec- tion ... ..				212	—	212	237	281
Found to require treatment				30,573 (80.1%)	—	30,573 (80.1%)	33,398 (80.7%)	39,205 (78.5%)
Number of children accep- ting treatment ...				11,517 (37.7%)	—	11,517 (37.7%)	11,585 (34.7%)	14,231 (36.3%)
Refused treatment ...				837 (2.7%)	—	837 (2.7%)	912 (2.7%)	1,090 (2.8%)
Promised private treat- ment ... ..				18,219 (59.6%)	—	18,219 (59.6%)	20,901 (62.6%)	23,884 (60.9%)

DENTAL TREATMENT.

	1962			1961	1960
<i>Half-days spent on :</i>					
Treatment ... ..	4,181	1,307	5,488	6,135	6,757
General anaesthetic clinic	16	9	25	27	27
Orthodontic clinic ...	Not known		519	506	559
Dentures, X-rays, etc. ...	17	88	105	155	169
<i>Ratio of fillings to extractions (permanent teeth only)—</i>					
Ordinary ... ..	674 : 100	230 : 100	432 : 100	346 : 100	399 : 100
Orthodontic purposes ...	1024 : 100	1076 : 100	1057 : 100	739 : 100	478 : 100

*Cases seen at dental X-ray clinic—*

Routine cases—107 summoned, 153 intra-oral and 6 extra-oral exposures.

Orthodontic cases—21 summoned, 40 intra-oral and 6 extra-oral exposures.



Age in Years	Types of Cases	ATTENDED		TREATED	TEMPORARY TEETH						PERMANENT TEETH						Charings	Completed	OTHER WORK COMPLETED																								
		Summomed	Non-summomed Attended but not Treated		EXTRACTIONS		OTHER OPERATIONS		EXTRACTIONS		OTHER OPERATIONS		Crowns	Fall	Partial	Repair			Incsal Edge Restoration	Septic	Non-Septic																						
					Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nit.	Temp. Fills.	Scalings										Others	Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nit.	Temp. Fills.	Scalings	Others												
1st Tr.	Subs. Tr.	Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nit.	Temp. Fills.	Scaling	Others	Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nit.	Temp. Fills.	Scalings	Others	Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nit.	Temp. Fills.	Scalings	Others															
9	RD1	4,385	307	87	1,562	3,043	451,180	—	156	1	239	13	1	19	30	306	—	2,349	15	26	355	193	187	1,228	998	1	—	—	—	—	—	—	—										
	RD1	—	—	—	—	—	—	3	6	—	2	1	—	—	—	1	—	36	—	—	7	5	7	6	16	—	—	—	—	—	—	—	—	—									
	Ortho	716	180	26	325	545	14	332	—	23	—	13	4	4	12	116	—	366	1	7	74	32	41	35	187	—	—	2	1	—	—	—	—	—	—								
	Ortho	29	1	1	4	25	—	6	—	—	—	3	1	1	—	2	—	12	—	—	3	1	8	—	5	—	—	—	—	—	—	—	—	—	—	—	—						
	Total	5,194	488	116	1,904	3,662	591,521	—	185	1	257	19	1	24	42	425	—	2,763	16	33	439	231	243	1,269	1,206	1	—	5	2	—	—	—	—	—	—	—	—						
10	RD1	4,003	285	70	1,439	2,779	24	823	—	25	2	66	6	6	50	359	2	2,305	20	50	400	195	208	992	928	—	—	—	—	—	—	—	—	—	—	—							
	RD1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	42	—	—	4	3	4	10	26	—	—	—	—	—	—	—	—	—	—	—	—						
	Ortho	606	157	14	253	496	4	199	—	6	1	10	2	—	3	161	—	297	3	4	81	16	52	31	153	—	—	—	6	2	—	—	—	—	—	—	—	—					
	Ortho	31	—	—	7	24	—	6	—	3	—	1	—	—	—	1	—	24	1	3	2	2	1	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
	Total	4,706	442	86	1,716	3,344	281,033	—	34	3	85	10	—	6	53	526	2	2,668	24	57	487	216	265	1,034	1,122	1	—	—	12	6	3	—	—	—	—	—	—	—					
11	RD1	3,673	275	82	1,299	2,567	13	413	—	2	—	13	3	2	57	455	—	2,214	20	28	436	193	202	1,008	773	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
	RD1	70	1	3	13	55	—	5	—	—	—	—	—	—	—	8	—	49	—	—	6	3	5	7	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
	Ortho	674	152	17	254	555	7	90	—	2	1	—	1	—	16	165	—	386	5	1	84	25	57	31	155	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Ortho	41	—	—	8	33	—	4	—	—	—	—	—	—	—	2	—	29	—	—	8	5	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Total	4,458	428	102	1,574	3,210	20	512	—	4	1	13	4	—	3	73	630	—	2,678	25	29	534	226	266	1,047	956	1	—	14	6	—	—	—	—	—	—	—	—	—	—	—	—	
12	RD1	1,588	96	36	593	1,055	2	91	—	2	—	1	—	—	11	221	—	932	13	7	199	98	88	468	301	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	RD1	25	—	—	7	18	—	6	—	—	1	—	—	—	—	3	—	10	—	—	—	2	4	5	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Ortho	1,653	264	48	435	1,434	7	94	—	—	—	—	—	—	21	390	—	1,005	13	2	255	88	145	1	321	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Ortho	76	1	—	16	61	—	5	—	—	—	—	—	—	—	6	—	52	—	—	6	6	10	6	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Total	3,342	361	84	1,051	2,568	9	196	—	2	—	2	1	—	2	32	620	—	1,999	26	9	460	194	247	480	650	1	—	14	4	—	—	—	—	—	—	—	—	—	—	—	—	—
13	RD1	202	26	6	91	131	—	13	—	—	—	—	—	—	—	43	—	162	4	1	32	16	11	67	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	RD1	5	1	—	4	—	—	—	—	—	—	—	—	—	—	1	—	6	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Ortho	2,130	364	87	676	1,731	4	57	—	—	—	—	—	—	68	543	—	1,281	22	5	422	74	150	114	305	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Ortho	96	1	1	17	79	—	—	—	—	—	—	—	—	—	3	—	81	1	—	13	4	7	6	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Total	2,433	392	94	788	1,943	4	70	—	—	—	1	3	3	1	68	590	—	1,530	27	6	467	94	168	188	352	5	—	18	3	3	—	—	—	—	—	—	—	—	—	—	—	—



DENTAL TREATMENT—Continued

Age in Years	Types of Cases	ATTENDED		TREATED		TEMPORARY TEETH			PERMANENT TEETH			Chartings	Completed	Crowns	OTHER WORK COMPLETED																									
		Summoned	Non-summoned Attended but not Treated	1st Tr.	Subs. Tr.	Gen. Anaes- thetic	Local Anaesthetic	No Anaes- thetic	Permanent Fillings	Gum Tr.	Silver Nitr.				Temp. Fills.	Scalings	Others	DENTURES	Repair	Incisal Edge Restoration	Septic	Rt TREATS																		
14	RD1	94	19	3	22	88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
	Others	1,702	414	45	538	1,533	1	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
	Ortho	100	1	—	17	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	<b>Total</b>	<b>1,896</b>	<b>434</b>	<b>48</b>	<b>577</b>	<b>1,705</b>	<b>1</b>	<b>20</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
15	RD1	47	8	—	14	41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Others	417	87	14	114	376	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Ortho	42	1	1	10	32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	<b>Total</b>	<b>506</b>	<b>96</b>	<b>15</b>	<b>138</b>	<b>449</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
16 or over	RD1	8	—	—	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Others	101	13	3	27	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Ortho	8	—	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	<b>Total</b>	<b>117</b>	<b>13</b>	<b>3</b>	<b>28</b>	<b>99</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
All Ages	RD1	30,156	2,398	679	116,502	225	679	9,775	—	3,195	44	3,162	321	55	265	196	1,733	2,128,421	109	175	2,148	1,039	1,088	8,773	6,666	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ortho	286	2	8	69	211	—	26	—	21	—	16	3	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Others	9,783	2,498	300	3,768	8,213	306	2,081	1	372	24	492	128	9	63	254	2,065	—	5,210	79	38	1,447	376	721	453	2,234	12	—	—	—	—	—	—	—	—	—	—	—	—	
	<b>Total</b>	<b>432</b>	<b>5</b>	<b>3</b>	<b>82</b>	<b>352</b>	<b>—</b>	<b>23</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>4</b>	<b>2</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
<b>Total</b>		<b>40,657</b>	<b>4,903</b>	<b>990</b>	<b>15,569</b>	<b>29,001</b>	<b>985</b>	<b>11,905</b>	<b>13,593</b>	<b>68</b>	<b>3,674</b>	<b>454</b>	<b>64</b>	<b>334</b>	<b>450</b>	<b>3,840</b>	<b>2,18,541</b>	<b>193</b>	<b>218</b>	<b>3,070</b>	<b>1,463</b>	<b>1,871</b>	<b>9,292</b>	<b>9,096</b>	<b>14</b>	<b>2</b>	<b>113</b>	<b>31</b>	<b>14</b>	<b>46</b>	<b>15</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		

TREATED ORTHODONTIC CASES

Summomed	Failed	ATTENDED		TREATED		IMPRESSIONS			DETAILS OF CASES			DETAILS OF APPLIANCES					Discontinued											
		Summomed	Non-Summomed	Not Treated	1st Treatment	Subsequent Treatment	Diagnostic Examination	1st		No S. Appliance	Removable Appliance	Fixed Appliance	Removable Appliance	Fixed Appliance		Adjustments		Repairs	Other Operations	Completed								
								U.	L.					U.	L.						U.	L.	U.	L.				
3,485	522	2,963	—	—	147	2,816	—	146	146	789	175	5	549	47	5	—	192	436	11	24	—	—	3	2,180	11	—	116	1
191	38	153	—	3	—	—	150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
822	124	698	15	—	25	688	—	26	24	133	34	—	56	11	—	—	—	109	—	17	—	—	—	528	1	—	12	4
<b>4,498</b>	<b>684</b>	<b>3,814</b>	<b>15</b>	<b>3</b>	<b>172</b>	<b>3,504</b>	<b>150</b>	<b>172</b>	<b>170</b>	<b>922</b>	<b>209</b>	<b>5</b>	<b>605</b>	<b>58</b>	<b>5</b>	<b>—</b>	<b>192</b>	<b>545</b>	<b>11</b>	<b>41</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>2,708</b>	<b>12</b>	<b>—</b>	<b>128</b>	<b>5</b>

Glenbarr }  
Inspections }  
Sandy Road }

**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 1962	Cases 1961	Cases 1960
Systematic Examinations ( <i>page 38</i> ) ... ..	52,512	54,200	53,310
Systematic Examinations— Special Schools ( <i>page 38</i> ) ... ..	876	977	954
Other Examinations in Schools ( <i>page 39</i> ) ...	77,716	79,826	83,650
Other Examinations mainly in Clinics ( <i>page 39</i> )	36,996	39,455	34,805
Cleanliness Examinations ( <i>page 39</i> ) ...	145,770	163,400	159,332
Dental Inspections ( <i>page 67</i> ) ... ..	38,146	41,365	49,954
Totals ...	352,016	379,223	381,996

B. TREATMENT.

Disease or Defect.	Cases			Attendances		
	1962	1961	1960	1962	1961	1960
<i>(a) MINOR AILMENTS—</i>						
EAR—						
Examined only ...	730	780	1,085	} 21,425	23,539	25,578
Clinic Treatment ...	2,099	2,165	2,063			
Aurists' Examinations	1,355	1,482	973	1,355	1,482	973
Aurists' Classifications	79	90	62	79	90	62
Audiometric Survey	1,881	1,639	1,393	1,881	1,658	1,415
<i>(pages 19 and 20)</i>	6,144	6,156	5,576	24,740	26,769	28,028
EYE ... .. <i>(page 21)</i>	1,799	1,993	1,962	13,398	13,943	15,136
SKIN—						
Cuts, minor injuries, etc.	3,491	3,702	3,914	} 126,811	136,036	140,643
Clinic Treatment ...	13,185	13,962	14,079			
Cleansing Clinics ...	306	351	327	917	681	660
Ringworm—Head ...	—	1	—	—	1	—
Body ...	20	26	34	<i>Included under "Clinic Treatment" above</i>		
Scabies Baths ... ..	<i>(1,451)</i>	<i>*(1,955)</i>	<i>*(2,068)</i>	6,140	7,757	8,008
<i>(page 22)</i>	17,002	18,042	18,354	133,868	144,475	149,311
<i>(b) DEFECTIVE VISION</i>						
Clinic Treatment ...	8,043	7,865	6,672	9,149	9,146	7,548
Spectacles supplied ...	4,600	4,731	4,255	6,226	6,741	6,561
<i>(page 23)</i>	12,643	12,596	10,927	15,375	15,887	14,109

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

Disease or Defect.	Cases			Attendances		
	1962	1961	1960	1962	1961	1960
<i>(c) EAR, NOSE AND THROAT—</i>						
Aurists' Examinations	960	746	968	1,014	787	1,000
Tonsils and Adenoids Operations ...	1,031	908	810	3,130	2,661	2,724
Other Operations ...	86	85	79	86	85	79
<i>(page 24)</i>	2,077	1,739	1,857	4,230	3,533	3,803
<i>(d) ORTHOPAEDIC—</i>						
Examined only ...	1,414	1,213	1,261	1,414	1,213	1,261
Treated by Exercises	983	1,049	1,013	17,792	18,073	17,419
Treated in Spastic Unit	42	43	37	3,481	3,638	2,832
<i>(page 27)</i>	2,439	2,305	2,311	22,687	22,924	21,512
<i>(e) OTHER DISEASES—</i>						
General ...	7,080	7,239	7,007	24,641	24,995	24,045
Supply of Medicines	1,389	1,380	1,877	14,807	14,209	16,123
Artificial Light ...	675	941	1,148	8,997	12,727	16,167
Cardiac Cases ...	124	150	140	302	321	314
<i>(page 29)</i>	9,268	9,710	10,172	48,747	52,252	56,649
<i>(f) DENTAL—</i>						
Ordinary ...	15,418	14,157	15,160	44,835	45,315	48,250
Orthodontic ...	*323	*273	*342	*4,551	*4,370	*4,840
<i>(page 70)</i>	15,741	14,430	15,502	49,386	49,685	53,090
<i>(g) REMAND HOME ...</i> <i>(page 82)</i>	516	379	324	516	379	324
<i>(h) DEFECTIVE SPEECH ...</i> <i>(pages 86 to 90)</i>	1,944	1,754	1,611	22,417	18,671	14,067
<i>(i) OCCUPATIONAL THERAPY ...</i> <i>(page 28)</i>	24	—	32	1,166	—	1,015
<b>TOTALS ...</b>	69,597	69,104	68,628	336,530	348,518	357,044

\* Includes cases dealt with at ordinary clinics for orthodontic purposes.

## **APPENDIX VII.—NURSERY SCHOOLS AND DAY NURSERIES**

The following section has been submitted by Dr. M. P. Menzies, Assistant Principal Medical Officer.

“ During the year a regular four-weekly visit was paid to each nursery school by a school medical officer and health visitor together. Children newly admitted were examined routinely, complaints were investigated, and a general check kept on the health of the group, with treatment recommended where indicated. The eyesight of the older children was tested by means of the ‘ E ’ test, and arrangements were made for refraction where found necessary.

During the intervening weeks the health visitors paid regular visits to the nursery schools so that advice and assistance could be given where required. This way, good rapport with the staff of the school clinic being established, nursery school teachers were able to make full use of the school clinic in any time of stress, such as the occasional accidental bump or where undecided about a possible infection.

The usual wave of simple infections passed through the nursery schools, and staffs were kept busy and harassed throughout the year dealing with continually recurring dysentery. Although there was no major outbreak requiring closure, the amount of work involved with even one case is very great, and where for several weeks the reports of specimens continue to show one or two positive results, the ensuing strain on the staff has been marked. In some of the all electric nursery schools, no provision has been made for the incineration of soiled materials. This problem called for consideration. At Southannan, the residential nursery school at Fairlie, there was an outbreak of dysentery, and later in the year a case of anterior poliomyelitis was diagnosed among the children there. With the assistance of the Medical Officer of Health of Ayr County and his staff, both infections were speedily limited and brought under control.

There has been a marked increase in the number of maladjusted children for whom admission has been sought by hospital almoners and on recommendation from child psychiatry departments. This feature is not specifically one of Glasgow, but is showing in other parts of the United Kingdom. While it is gratifying to find that the therapeutic value of the nursery school in the child's equilibrium is now being understood, apart from the Woodlands School for Deaf Children and Kelbourne School for Spastic Children, the nursery schools are provided for the normal pre-school child. Teachers have made every effort to

find places for maladjusted children recommended by these agencies, but the numbers have been too great to meet. It is not generally understood that the child admitted to the nursery school soon after two years of age remains in this educational establishment till five years old and ready to go to school. Accordingly the turn-over of children is small for each nursery school. It is indeed desirable that these disturbed children should have the benefit of the stabilising effect of the nursery school disciplines, but the number of schools is too limited to make this possible."

At the end of July, 1962, the Education Department was responsible for the administration of 46 Nursery Schools and Classes having places for 1,965 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 18 Day Nurseries, including one special day nursery for handicapped children, with approximately 801 places.

During the year ended 31st July, 1962, children in the nursery schools to the number of 1,162 (556 boys and 606 girls) were subjected to "routine inspection." 1,709 were medically examined at the request of teachers, and 426 were re-inspected. The results of these examinations are detailed below.

#### ROUTINE INSPECTION

(i) *Numbers and Percentages of Children Suffering from Defects*  
(see Table IIa, page 42 for full details of headings).

Nature of defects found	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Unsatisfactory clothing ...	—	1	1 (0.1%)	1 (0.1%)	2 (0.2%)
Uncleanliness of head (nits)	5	19	24 (2.1%)	31 (2.7%)	25 (2.1%)
Skin conditions of head or body	23	15	38 (3.3%)	55 (4.8%)	55 (4.7%)
Defective nutrition ...	5	16	21 (1.8%)	18 (1.6%)	13 (1.1%)
Mouth and teeth unhealthy	1	3	4 (0.3%)	3 (0.2%)	4 (0.3%)
Naso-pharyngeal conditions ...	138	138	276 (23.7%)	202 (17.7%)	168 (14.2%)
Eye diseases (including strabismus) ...	22	25	47 (4.0%)	51 (4.5%)	61 (5.1%)
Defective vision (for refraction)	3	5	8 (0.7%)	6 (0.5%)	13 (1.1%)
Ear disease (including defect-hearing) ...	5	3	8 (0.7%)	9 (0.8%)	3 (0.2%)
Defective speech ...	21	7	28 (2.4%)	17 (1.5%)	18 (1.5%)
Mental and nervous conditions	6	2	8 (0.7%)	17 (1.5%)	7 (0.6%)
Defects of circulatory system	10	8	18 (1.5%)	23 (2.0%)	17 (1.4%)
Pulmonary conditions ...	38	40	78 (6.7%)	88 (7.6%)	86 (7.3%)
Deformities ...	20	22	42 (3.6%)	37 (3.2%)	35 (3.0%)
Other diseases or defects ...	12	16	28 (2.4%)	32 (2.7%)	28 (2.4%)

(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	1962			1961	1960
	Boys	Girls	Totals	Totals	Totals
Free from defects ... ..	343	368	711 (61.2%)	694 (60.7%)	774 (65.5%)
Defects of vision or oral sepsis	2	6	8 (0.7%)	7 (0.6%)	6 (0.5%)
Temporary ailments ... ..	126	149	275 (23.6%)	274 (24.0%)	66 (22.5%)
"Curable" defects ... ..	60	65	125 (10.8%)	118 (10.3%)	90 (7.6%)
"Improvable" defects ... ..	25	17	42 (3.6%)	47 (4.1%)	43 (3.6%)
Defects "not improvable" ...	—	1	1 (0.1%)	3 (0.3%)	3 (0.3%)
Totals ... ..	556	606	1,162	1,143	1,182

(iii) *Additional Information*

Parents were notified of defects found in 265 instances, 75 (6.5 per cent.) of these being due to clothing, cleanliness, or minor dental defects, 290 (24.9 per cent.) being in respect of other defects. School Medical Officers also noted 65 cases (5.6 per cent.) for re-inspection as a result of defects observed in clothing or cleanliness, or for minor dental defects, and 438 children (37.7 per cent.) having other defects. "Sound teeth" was recorded in 917 cases (78.9 per cent.), 936 pupils (80.5 per cent.) were recorded as having had complete diphtheria immunisation and 745 (64.1 per cent.) as having been successfully vaccinated or re-vaccinated against smallpox.

INSPECTION OF NON-ROUTINE CASES.

Children to the number of 1,709 were presented for inspection on account of defects observed or suspected by teachers. The individual results were as follows :—

Head infestation, 16 ; skin conditions, 146 ; eye conditions, 438 ; ear, nose and throat defects, 119 ; "general" defects, 647 ; defective teeth, 20 ; no apparent disease, 206 ; and other causes, 117.

RE-INSPECTION OF "ABNORMAL" CASES

426 pupils were re-inspected during the Session.



## APPENDIX VIII.—PREVENTION OF TUBERCULOSIS

See Report for 1959, page 97 to 101.

### *B.C.G. Vaccination*

The annual campaign in schools was conducted in November and December, 1961, and the results are given below with relative figures for the two previous years.

	1961	1960	1959
Total schools visited ... ..	119	121	116
Total forms issued ... ..	17,155	18,704	16,572
Parental consents granted ... ..	16,483	17,830	15,378
Total absent ... ..	992	937	686
Total number tested ... ..	15,491	16,893	14,692

### MANTOUX RESULTS

	1961			1960	1959
	Boys	Girls	Total	Total	Total
Positive ... ..	1,579	1,437	3,016	3,256	3,074
Negative ... ..	6,208	6,267	12,475	13,637	11,618

### VACCINATIONS

	1961			1960	1959
	Boys	Girls	Total	Total	Total
	6,187	6,256	12,443	13,598	11,582

### *Mass Radiography*

The School Health Service continued to arrange with the Mass Radiography Centre at Elmbank Street for the X-raying of pupils attending Glasgow schools.

The following report has been supplied by Dr. T. J. R. Miller, Medical Director of the Mass Radiography Service.

“ Pupils to the number of 2,774 (1,431 boys and 1,343 girls) found to be positive to the Mantoux test in the campaign were examined during the year ending 31st July, 1962. During the same period, 2,230 children (1,153 boys and 1,077 girls), positive reactors in the year

ending 31st July, 1961, were re-examined. Details of the abnormalities found and particulars of the action taken are shown in the following tables.

Of the 2,774 children X-rayed for the first time, 5 boys (*3.57 per thousand*) and 5 girls (*3.72 per thousand*), a total of 10 children (*3.6 per thousand*) were found to have adult type pulmonary tuberculosis. These rates showed a further improvement compared with the preceding twelve months and were almost half the rates recorded in 1960.

Of the 2,230 children re-X-rayed, 1 boy (*0.86 per thousand*) and 2 girls (*1.85 per thousand*) were found to have active lesions. Inactive pulmonary tuberculosis was recorded in *7.57 per thousand* of children X-rayed for the first time and in *3.13 per thousand* of those re-examined. Previously diagnosed cases were three times as common in the re-X-rayed group (*8.96 per thousand*) as in the primary examination group (*2.88 per thousand*)."

#### *Teachers' Sick Pay Regulations*

During the year ended 31st July, 1962, teachers to the number of 4,809 (2,053 males and 2,756 females), were X-rayed.

The numbers recalled for large film were 12 men and 18 women, the diagnoses being as shown :—

	Males	Females
Active Pulmonary Tuberculosis ... ..	—	1
Inactive Pulmonary Tuberculosis (including calcified or fibrotic conditions) ... ..	4	4
Inactive Pulmonary Tuberculosis (pleural thickening) ... ..	1	2
No apparent defect ... ..	7	11
Totals ... ..	12	18

Since the Teachers' Sick Pay Scheme was inaugurated, 107 teachers had been found to be suffering from active Pulmonary Tuberculosis, and 1 of these was still off duty. The remainder had resumed normal teaching duties.

MANTOUX REACTORS FOR YEAR ENDING 31ST JULY, 1962  
ABNORMALITIES FOUND AND ACTION TAKEN BY MASS RADIOGRAPHY UNIT

	No action after investigation		Referred to own doctor		Treatment at home		Out patient treatment		Observation		Sent to Hospital		Total Number Examined (and rate per thousand)		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Total
<b>PULMONARY TUBERCULOSIS—</b>															
Active ...	—	—	—	—	1	—	—	—	—	—	1	5	2	5	7 (2.52)
? Active ...	—	—	—	—	—	—	—	—	1	—	—	—	1	—	1 (0.36)
Tuberculous Pleurisy ...	—	—	—	—	1	—	1	—	—	—	—	—	2	—	2 (0.72)
Healed Primary ...	19	12	2	—	—	—	4	—	8	6	—	—	33	18	51 (28.38)
Inactive ...	2	2	—	1	—	—	1	2	7	6	—	—	10	11	21 (7.57)
Known cases ...	1	2	1	3	—	—	—	—	1	—	—	—	3	5	8 (2.88)
<b>OTHER PULMONARY ABNORMALITIES—</b>															
Bacterial and virus infections of lungs	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1 (0.74)
Pulmonary fibrosis ...	—	—	—	1	—	—	—	—	1	—	—	—	1	1	2 (0.72)
Miscellaneous ...	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1 (0.36)
<b>Totals ...</b>	<b>22</b>	<b>16</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>—</b>	<b>6</b>	<b>2</b>	<b>18</b>	<b>14</b>	<b>1</b>	<b>5</b>	<b>52</b>	<b>42</b>	<b>94 (33.88)</b>

RE-X-RAYED MANTOUX REACTORS X-RAYED A YEAR PREVIOUSLY  
ABNORMALITIES FOUND AND ACTION TAKEN BY MASS RADIOGRAPHY UNIT

	No action after investigation		Referred to own doctor		Treatment at home		Out patient treatment		Observation		Sent to Hospital		Total Number Examined (and rate per thousand)		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Totals
<b>PULMONARY TUBERCULOSIS—</b>															
Active ... ..	—	—	—	—	1	1	—	—	—	—	—	—	1	2	3 (1.34)
Healed primary ... ..	18	15	—	—	—	—	1	2	—	1	—	—	—	19 (16.48)	37 (16.59)
Inactive ... ..	3	1	—	—	—	—	—	—	1	2	—	—	—	4 (3.46)	7 (3.13)
Known cases ... ..	5	7	2	4	—	—	—	—	1	1	—	—	—	8 (6.93)	20 (8.96)
<b>OTHER PULMONARY ABNORMALITIES—</b>															
Bacterial and virus infections of lungs	1	—	—	—	1	—	—	—	1	—	—	—	—	3 (2.60)	3 (1.34)
Pulmonary fibrosis ... ..	1	—	—	—	—	—	—	—	—	1	—	—	—	1 (0.86)	2 (0.89)
<b>CARDIAC ABNORMALITIES—</b>															
Acquired heart condition ... ..	1	—	—	—	—	—	—	—	—	—	—	—	—	1 (0.86)	1 (0.44)
Totals ... ..	29	23	2	4	2	1	1	1	3	5	—	—	1	37 (32.08)	73 (32.73)

## APPENDIX IX.—MEDICAL SUPERVISION OF REMAND HOMES

Dr. T. W. F. Gemmell, School Medical Officer, supplied the following note.

“Larchgrove Remand Home for boys and Beechwood Remand Home for girls are both under the medical supervision of the School Health Service.

Larchgrove Home, a well appointed modern building, has accommodation for one hundred boys of from 8 to 16 years old. The total number of admissions in the past year was almost 2,100 and every boy is medically examined soon after arrival and thereafter is inspected once weekly. Residence in the home varies from a few days to twenty-eight days with a few exceptional cases who may be detained for a period of one hundred and twelve days. There is adequate sick bay accommodation and a qualified matron in residence.

The boys are kept fully occupied in a variety of ways. All of them have a strenuous programme of all sorts of physical training and various groups have classroom instruction in accordance with the results of intelligence and attainment tests. There is much excellent practical training given in woodwork, rug making, plaster modelling and painting.

One feature which has been noticed is how seldom one sees a child of normal average physical build and development. The majority are undersized and underdeveloped and a significant proportion look older than their years but the exception is the average physique. It seems worth consideration as to whether this physical abnormality may be a factor in delinquency.

The Beechwood Home for girls is on a much smaller scale. There is accommodation for eighteen girls of from 8 to 16 years of age but the number in residence at a time is seldom more than twelve to fourteen. While in detention the girls are kept fully occupied by training in all forms of housewifery, cookery, laundry, embroidery and sewing.

One criticism of the Remand Home system which applies to both boys and girls is in the preparation of Approved School reports. There is seldom sufficient information available to either doctor or Remand Home Superintendent. It would be of advantage if school records and background reports were at hand, and this would lessen the likelihood of children arriving in Approved Schools who would be more suitably placed elsewhere.”

During the year ended 31st July, 1962, 2,059 boys were admitted to the Home and during the same period there were 5,130 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, 491 ; treated at clinic, 22 ; X-rayed, 2 ; removed to hospital, 1.

#### **APPENDIX X.—DIPHTHERIA IMMUNISATION CAMPAIGN**

See Report for 1959, page 102.

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) during the period of the "drive" and (ii) the numbers recorded at the regular clinics during the year ending 31st July, 1962.

	At Schools			At Clinics		
	Under 5 years	Over 5 years	Totals	Under 5 years	Over 5 years	Totals
1st Injections ... ..	97	9,862	9,959	8,305	9	8,314
2nd Injections ... ..	57	8,633	8,690	Not available		
3rd Injections ... ..	12	7,674	7,686	6,968	19	6,987
Re-inforcing Doses ...	—	18,895	18,895	99	173	272
Totals ... ..	166	45,064	45,230	Not available		

#### **APPENDIX XI.—SPEECH THERAPY**

The following report was prepared by Miss McKirdy, Senior Speech Therapist.

" During the year 1961-62, Speech Therapy sessions were again available in 12 Child Guidance Clinics, 3 School Health Service Clinics (Florence Street, Stuart Laidlaw and Cowcaddens) and one session in the Child Welfare Clinic in Easterhouse.

As well as dealing with school children and pre-school children in these clinics, each therapist had one or two days visiting Special

Schools treating physically and mentally handicapped children. The main problem with these children continues to be lack of co-operation from the parents. A considerable amount of time was spent in visiting the homes to try to gain the parents' interest and help in working with the children at home.

Speech treatments in Child Guidance Clinics increased by 2,500 last year. Where a large number of children in one school required therapy, and such a school was a considerable distance from a clinic, a school group was formed, the therapist visiting this group weekly to give treatment.

The number of cleft palate cases requiring speech therapy continues to fall. This is due to early operation at Royal Hospital for Sick Children or orthodontic treatment at the Dental Hospital. With earlier specialist treatment speech is allowed to develop normally. Such cases as require speech therapy continue to be referred to the School Health Service from the Royal Hospital for Sick Children and to the Dental Hospital for therapy in clinics near their homes. There is close liaison in such cases with therapists in the School Health Service and those in the Royal Hospital for Sick Children and the Dental Hospital.

The number of pre-school referrals continues to rise. The youngest child referred this year was only 1 year 10 months and is still under observation in Florence Street Clinic. All pre-school children referred are interviewed and tested. In all cases advice is given to the mother and, where necessary, called back at varying lengths of time for check-ups or placed in one of the Child Guidance Clinic play groups for indirect speech therapy. In the play group, the clinical psychologist is available to observe and advise on any abnormal emotional or behaviour patterns which may be present in the child. Only in exceptional circumstances is individual therapy attempted with children under 4 years of age.

#### *Kelbourne Spastic School.*

Until last year one Speech Therapist was employed solely for this school. Experience showed that this type of work was too much for one therapist. Last year the sessions were divided between two therapists. The only children omitted from treatment were the low I.Q. group in the preparatory class.

Clinic facilities were again made available for second and third year students from the Glasgow School of Speech Therapy. 4 third year students were examined for their practical final examination in Glasgow Clinics.

At the end of June, 1962, over 200 children were awaiting speech treatment in the various clinics."

The Tables on the following pages give summarised information regarding the work of the speech therapists during the year ended 31st July, 1962, showing separately the details in respect of children : (i) in schools for the physically handicapped, (ii) in schools for the mentally handicapped, (iii) attending ordinary schools and treated from Child Guidance Centres, (iv) attending ordinary schools but treated in Florence Street and Stuart Laidlaw Clinics, and (v) under school age and treated in Florence Street, Cowcaddens and Child Guidance Clinics.

Information regarding the cases treated in the Spastic Unit is given on page 28.



(i) CASES OF SPEECH DEFECT TREATED IN SCHOOLS AND CLASSES FOR THE PHYSICALLY HANDICAPPED DURING THE YEAR ENDED  
31ST JULY, 1962.

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Suspended		Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred			
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Stutter ...	2	8	1	138	25	—	—	—	—	—	—	1	—	—	—	3	—	4	1
Dyslalia—	4	15	11	196	181	3	1	2	1	—	—	—	—	—	—	3	6	6	3
Multiple ...	3	9	6	106	68	—	1	—	1	—	—	—	—	—	—	2	—	6	4
Simple ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Idioglossia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Delayed Speech ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleft Palate	—	4	4	48	47	—	1	—	—	—	—	—	1	—	—	1	—	2	3
Dysphonia ...	—	2	1	26	7	—	—	—	—	—	—	—	—	—	—	—	—	2	—
Dysphasia ...	1	2	—	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysarthria ...	1	8	4	86	104	2	—	—	—	—	—	3	—	—	—	—	2	3	2
Dyseneia ...	—	1	1	17	17	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Totals ...	11	49	28	640	449	5	3	2	2	1	2	4	1	2	2	9	8	24	14
		77		1,089															

Home visits—6.

(ii) CASES OF SPEECH DEFECT TREATED IN SCHOOLS AND CLASSES FOR THE MENTALLY HANDICAPPED DURING THE YEAR ENDED  
31st JULY, 1962.

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Suspended		Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Stutter ...	3	36	13	619	184	—	—	6	3	4	2	—	1	2	2	8	5	16	—
Dyslalia—	13	72	41	1,210	641	1	1	17	6	8	6	—	1	1	—	16	2	29	25
Multiple Simple	6	12	11	179	178	—	—	3	4	3	2	—	1	—	—	—	1	5	3
Idioglossia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Delayed Speech ...	5	11	8	99	83	1	2	—	—	—	—	3	2	—	—	—	—	7	4
Cleft Palate	—	4	2	51	37	—	—	—	—	—	—	—	—	—	—	1	1	3	1
Dysphonia ...	1	9	1	156	10	—	—	2	—	1	—	—	—	1	—	1	—	4	1
Dysphasia ...	2	2	2	68	7	—	—	—	—	—	—	—	1	—	—	—	—	2	1
Dysarthria ...	—	3	1	43	10	—	—	—	—	—	—	—	—	—	—	1	—	2	1
Dysenceia ...	—	3	—	76	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—
Totals ...	30	152	79	2,501	1,150	2	3	28	13	16	10	4	6	4	2	27	9	71	36
			231		3,651														

Home visits—32.

(iii) CASES OF SPEECH DEFECT (PUPILS IN ORDINARY SCHOOLS) TREATED FROM CHILD GUIDANCE CENTRES  
DURING YEAR ENDED 31ST JULY, 1962

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment		
		Boys	Girls	Boys	Girls	Suspended		Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls	
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls			
Stutter ...	50	155	30	2,187	445	7	5	37	8	14	2	4	1	4	1	25	4	64	9	
Dyslalia—																				
Multiple ...	89	360	168	5,078	2,415	13	5	132	66	20	13	2	5	19	6	32	6	142	67	
Simple ...	35	100	40	1,111	450	8	2	47	22	12	6	—	—	1	—	2	4	30	6	
Idioglossia	—	8	8	173	166	—	—	3	2	—	—	—	—	1	—	—	—	4	5	
Delayed Speech ...	13	31	6	502	37	—	—	7	—	1	1	—	—	1	1	2	—	20	4	
Cleft Palate	1	6	8	101	145	—	—	1	—	—	—	1	—	—	—	—	3	4	5	
Dysphonia ...	6	9	12	173	178	—	1	2	1	3	1	2	—	—	2	—	—	2	7	
Dysphasia ...	1	2	—	49	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	
Dysarthria ...	—	1	—	5	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	
Dyscencia ...	—	—	1	—	5	—	—	—	—	—	—	—	—	—	—	—	1	—	—	
Totals ...	195	672	273	9,379	3,841	28	13	229	99	50	25	9	6	27	11	61	18	268	103	
			945		13,220															

Home visits—94 ; school visits—233.

(iv) CASES OF SPEECH DEFECT (PUPILS IN ORDINARY SCHOOLS) TREATED IN FLORENCE STREET AND STUART LAIDLAW CLINICS DURING YEAR ENDED 31ST JULY, 1962.

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Suspended		Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Stutter ...	24	24	2	331	17	2	—	7	—	4	1	—	—	—	—	3	—	8	1
Dyslalia—																			
Multiple ...	35	43	14	552	227	—	—	9	4	9	5	—	1	—	—	3	—	12	4
Simple ...	3	5	2	75	31	—	—	3	1	—	—	—	—	1	—	—	—	1	—
Idioglossia ...	—	—	1	—	39	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Delayed Speech ...	9	4	4	37	30	—	—	—	—	1	1	—	—	—	—	1	—	1	1
Cleft Palate	—	1	2	33	69	—	—	—	—	—	—	—	—	—	—	—	—	1	2
Dysphonia ...	1	2	1	27	21	1	—	2	—	—	—	—	—	—	—	—	—	—	1
Dysphasia ...	—	2	1	26	20	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Dysarthria ...	—	1	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Dysenceia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	72	82	27	1,088	454	3	—	21	5	14	7	—	1	—	—	7	—	25	11
			109		1,542														

Home visits—8; school visits—3.

(V) CASES OF SPEECH DEFECT (PRE-SCHOOL CHILDREN) TREATED IN FLORENCE STREET, COWCADDENS  
AND CHILD GUIDANCE CLINICS DURING YEAR ENDED 31ST JULY, 1962

Details of Cases	Advice only	Cases Treated		Number of Treatments		DISCHARGED												Cases Remaining on Treatment	
		Boys	Girls	Boys	Girls	Suspended		Satisfactory		Improved		Unsatisfactory		Failed to Co-operate		Transferred		Boys	Girls
						Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
Stutter ...	40	3	6	25	56	1	—	1	4	—	—	—	—	—	—	—	—	1	2
Dyslalia—	29	25	18	368	195	2	2	8	4	2	—	—	—	1	—	—	—	9	10
Multiple ...	4	1	1	7	4	—	—	—	—	1	—	—	—	—	—	—	—	—	1
Simple ...	5	7	12	177	177	—	—	4	—	—	—	—	—	1	—	—	—	1	5
Idioglossia ...	50	27	7	322	72	4	1	1	1	2	—	—	—	1	—	—	—	11	3
Delayed Speech ...	—	1	—	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleft Palate	2	1	—	25	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Dysphonia ...	—	—	1	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Dysphasia ...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysarthria ...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dyseneia ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	132	65	45	885	523	7	3	14	9	5	1	—	—	3	—	—	13	23	22
		110		1,408															

## APPENDIX XII.—AUDIOMETRIC SURVEYS

The following report was prepared by Dr. Margaret Dunn, School Medical Officer.

“ The general procedure of the Audiometric Survey Unit was carried out along the usual lines. Consolidation of techniques, and stability of results were concomitant with having no staff changes in this period, a fact of great value in this specialised field.

*Sweep testing* was carried out in schools throughout the city, and E.N.T. examinations were regionalised as before. Threshold Tests were performed in Florence Street, Stuart Laidlaw and Callander Street (Cowcaddens) Clinics.

*The audiometricians* also did Pure Tone Tests for School Medical Officers, seconded specialists, and review audiograms for children coming specifically under the aegis of the Survey.

The Chief Audiometrician carried out a scheme of Pure Tone Testing of children in Deaf and Semi-deaf Schools preparatory to Otologist's routine visit.

Some student audiometricians received initial training in the Unit prior to hospital courses and have also had further experience in schools throughout the term under supervision.

The audiometricians were also on 'loan' to Argyll for Sweep Testing work again this year.

*The School Nurses* were utilised in Sweep Testing in schools as in the previous year and again made an excellent contribution to the work of the Unit.

*Health Visitors* were extensively deployed in furthering the attention of parents to the importance of the follow-up of children who were in failed sweep test category. The widespread acceptance of help by parents from this source is gratifying and moreover the Health Visitor can utilise all her skills in such home visitation, clarifying the hearing test position and *pari passu* advising on other problems which arise.

## REFERRAL

It is of interest to pursue the breadth of working pattern of the Unit and analyse the sources of referral of non-routine children.

1. Many come to notice at the time of the Audiometrician's visit to the school and are presented by Head Teacher or staff. This is a very important group as hearing defect has been noted.
2. Parents request attention for the sibling of a child under investigation.
3. General Practitioner may ask for appointment and this is of particular interest because establishment of rapport here will promote dissemination of knowledge of the Unit's functions.
4. Children under age 5 are referred by 'Audiology Unit' and these in turn have come from such sources as Maternity and Child Welfare Section, General Practitioner, Royal Hospital for Sick Children. Case conferences involving Otologist, School Medical Officer, Head of Audiology Department and Health Visitor have been arranged for many of these children prior to school entry, a decision has to be made as to educational placing. This work is of extreme importance, as the whole long term educational pattern of the child has to be considered and recommended.
5. Many children over age 5 are referred by Speech Reading Unit, the contact being between peripatetic teachers who in their circuit are confronted with problems about children with hearing losses from Head Teacher and staff.

Progress reports are furnished by Speech Reading Unit for children referred to them by Audiometric Survey. These are most valuable in giving precise information as to scholastic attainments and improvement. Case conference work has been carried out here too, and is especially necessary in keeping close contact with children with fairly severe hearing losses maintaining ordinary school level of education.

The co-operation between these two departments and the Audiometric Survey is excellent and augurs well for the future.

6. The Speech Therapy Department is in constant communication with the Unit referring in cases for attention and in turn giving treatment by request.

One of the fascinating topics of mutual interest and discussion at present is that of Aphasia. With the growing awareness of early and accurate diagnosis of non-speaking children such cases are coming to light and thought must be given to their disposal to their best advantage.

7. The Child Guidance Service refers cases for hearing investigation and in turn provides on request intelligence assessments expeditiously and with helpful detail.

Co-operation with these two departments also has been delightful and helpful.

Referral rate from the School Health Service Medical Officers is of course high, and there are many requests for audiogram from seconded Ear, Nose and Throat Specialists.

It is thus seen that the range of referral is very broad, and the audiometric umbrella can and does provide a wide all over coverage.

From analysis of the figures so far to hand this year I note that failed sweep test numbers are at average level. Wastage rate following Threshold Testing is very low. After Grade Normals are sifted off, Grade I is provisionally 66/1,000, this figure approximating to the result of the previous two surveys.

The weekly consultation clinics with Otologist, School Medical Officer and Health Visitor present are flourishing, and the cases graded as 1/2a and 2a, mon-aural deafness from Survey are investigated plus the non-routine cases of all descriptions.

#### CHILDREN AT RISK FOR HEARING

This year 6 years was made the age of choice for Survey XIII and within the confines of this an exercise was carried out, that of tracing a particular series of children those at Risk for Hearing. The series was culled from routine children in XIIIth Survey only and thus no other referral was included. No histories were available at the time of Sweep Testing so that Risk Group Grade Normals were screened off.

Histories were taken at the time of Ear, Nose and Throat examination and in particular facts were noted about pregnancy



illnesses including rubella, Rh. histories with or without jaundice, perinatal points, anoxia, deformities, injuries, postnatal illness including exanthemata and virus infection. No hospital records were searched for the purpose of this study and parents' stories were sifted in situ.

The figures are at present incomplete, but offer some highly interesting points.

Of the total 22 so far graded only two had had previous investigation, one an obvious congenital abnormality, the other lapsing from Ear, Nose and Throat care due to removal from an area. Of the remainder 50 per cent. required to see Otologist, and the rest had slight defects which were considered not to require further attention. The cases for Otologist review showed various types of loss, some flat and some typical of central defect. One child has already been issued with Hearing Aid, one will require Hearing aid for school use, and the others require observation, front seat in school, and Speech Reading Tuition in some cases.

The main relevant aetiological factors were Rhesus histories with or without jaundice and meningitis.

It has been particularly instructive to note that, but for the fortuitous appearance of the Audiometric Survey into the orbit of these children, no action was being contemplated. Moreover it would appear that no other Service can so tap the child population in this way.

Further deduction would lead to the obvious conclusion that such children should be offered treatment as soon as possible after school entry and that the Survey age should be lowered therefore to 5+.

A further study will be made in the next Survey of the total Risk Group for Hearing children, to collate a proportionate picture of normals and those with hearing losses.

It is also noted from review of cases that certain groups apart from those mentioned above should have a full hearing investigation, viz., those with speech defects, cleft palates, those scholastically retarded educable and ineducable, siblings of those found to have deafness where history factors warrant such.

I would wish to close by expressing much appreciation for goodwill shown by Head Teachers, Teaching Staffs and all other departments, to the Audiometric Survey team."

A summary of the work done, in connection with Survey No. XIII throughout the year is as follows :—

SURVEY No. XIII (CHILDREN BORN IN 1955)

	Routine	Non-routine	Total
No. "sweep" tested in schools ... ..	16,157	158	16,315
No. failed in "sweep" test ... ..	1,796	76	1,872
No. examined by School Medical Officer ...	Routine+ Non-routine		1,421
No. recommended for Threshold test by School Medical Officer ... ..	Routine+ Non-routine		1,421
No. Threshold tested ... ..	891	45	936
No. awaiting Threshold test (including 97 for tonsils/adenoids operation) ... ..	Routine+ Non-routine		292
No. awaiting treatment before having Threshold test	Routine+ Non-routine		51
No. did not attend for Threshold test ...	Routine+ Non-routine		142
No. retested ... ..	3	—	3
No. of Schools visited ... ..	—	—	229

Of the 936 given the pure-tone test at the Audiometric Clinic, 86 (53 boys and 33 girls) were referred to the Consulting Aurist, 230 (111 boys and 119 girls) were recorded as Grade I, and 292 (167 boys and 125 girls) were considered to have normal hearing; the remainder were at the end of the school year, awaiting retest (304) or grading (24).

Rhesus negative children to the number of 23, 2 from Survey XII and 21 from Survey XIII were graded as follows :—Grade I, 3; Normal, 9; referred to Consulting Aurist, 11.

Brought forward from Session 1961 were children from Surveys X, XI and XII who were dealt with as follows :—

	Survey No. X		Survey No. XI		Survey No. XII	
	Boys	Girls	Boys	Girls	Boys	Girls
Referred to Consultant ... ..	1	—	2	2	30	25
Graded—I ... ..	3	4	20	14	86	74
Graded—Normal ... ..	1	1	5	9	141	101
	5	5	27	25	257	200

Most of the remainder were at the end of the year, awaiting testing, re-testing, clinic treatment or grading.

The Consultant Aurist classified 69 cases from the various surveys as shown below :—

	IX		X		XI		XII		XIII		Total	
	B.	G.	B.	G.	B.	G.	B.	G.	B.	G.	B.	G.
Normal ...	—	—	—	—	1	—	—	—	—	—	1	—
Grade I ...	—	2	2	4	14	13	12	11	—	1	28	31
Grade I/IIA ...	—	—	—	1	1	—	1	—	—	—	2	1
Grade IIA ...	—	—	1	1	—	1	2	—	1	—	4	2
	—	2	3	6	16	14	15	11	1	1	35	34

#### MEDICAL EXAMINATION RESULTS

The table on page 97 shows the number of children summoned to clinic during the year for examination, the numbers who attended and a summary of the recommendations.

#### TREATMENT

The results of some of the special forms of treatment and investigation are given below.

*Ear, Nose and Throat Operations.* Over the period, 171 children (104 boys and 67 girls) had tonsils and/or adenoids removed in one or other of the hospitals.

*Audiograms.* Audiograms totalling 209 (in respect of 114 boys and 95 girls) were completed during the Session at Florence Street Audiometric Clinic.

*Hearing Aids.* Children to the number of 8 (5 boys and 3 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 hearing loss. These cases are listed in the following table under the various Audiometric Surveys.

Reason for disposal—	Survey Number							Total
	VII	VIII	IX	X	XI	XII	XIII	
Graded according to degree of hearing loss ...	3	8	6	30	109	166	7	329
Parent intimated private treatment being obtained	—	1	1	2	3	2	—	9
Over school age—referred to E.N. and T. Hospital ...	1	—	—	—	—	—	—	1
Transferred to other local authorities, institutions, etc.	—	—	—	1	1	—	1	3

DETAILS OF E.N.T. EXAMINATIONS DURING YEAR ENDED 31ST JULY, 1962.

	Survey No. VII		Survey No. VIII		Survey No. IX		Survey No. X		Survey No. XI		Survey No. XII		Survey No. XIII		Totals		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Totals
SUMMONSES—																	
First Examination ...	—	2	—	9	—	13	—	34	—	83	—	—	1,183	988	1,183	988	2,171
Re-examination ...	—	—	—	—	—	—	—	—	—	—	—	138	22	17	332	296	628
ATTENDANCES—																	
First Examination ...	—	—	—	—	—	—	—	—	—	—	—	—	754	669	754	669	1,423
Re-examination ...	—	—	—	—	—	—	—	—	—	—	—	110	20	12	242	216	458
RECOMMENDATIONS—																	
Clinic treatment (Ear)	—	1	—	—	—	1	—	3	—	9	—	—	3	1	10	11	26
Clinic treatment and audiogram ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	7	115
Clinic treatment (M.I., Dental, etc.) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	11
Tonsils and adenoids operation ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23
Hospital treatment ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	195
Audiogram ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7
Speech Therapy ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	195
X-ray examination	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7
Hearing Aid ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,483
Front seat in class	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5
Lip reading ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15
Other recommendations	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2

**APPENDIX XIII.—MORTALITY OF SCHOOL CHILDREN.**

*Deaths During Year ended 31st July, 1962,  
of Children Aged 5-15 Years.*

Cause of Death	5-10 years		10-15 years		All Ages		1962	1961	1960
	Boys	Girls	Boys	Girls	Boys	Girls	Totals	Totals	Totals
Tuberculosis—									
Respiratory ...	—	—	—	—	—	—	—	—	—
Meningeal ...	—	—	—	—	—	—	—	—	—
Abdominal ...	—	—	—	—	—	—	—	—	—
Others ...	—	—	—	—	—	—	—	—	1
Infectious Diseases—									
Diphtheria ...	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—
Measles ...	—	—	—	—	—	—	—	1	1
Dysentery ...	—	—	—	—	—	—	—	—	—
Chickenpox ...	—	—	—	—	—	—	—	—	—
Others ...	—	—	1	—	1	—	1	3	—
Mental and Nervous Diseases—									
Epilepsy ...	—	2	—	1	—	3	3	1	1
Cerebral Diplegia ...	—	1	1	—	1	1	2	—	—
Meningitis (non-Meningococcal) ...	—	—	—	—	—	—	—	—	—
Others ...	—	1	1	3	1	4	5	5	6
Circulatory Diseases—									
Rheumatic Fever ...	—	—	—	—	—	—	—	—	3
Chronic Rheumatic Heart Disease ...	—	—	1	—	1	—	1	1	—
Other Heart Diseases	—	—	—	—	—	—	—	—	3
Other Circulatory Diseases ...	—	—	1	—	1	—	1	—	—
Respiratory Diseases—									
Influenza ...	—	—	1	—	1	—	1	—	—
Pneumonia ...	2	—	—	1	2	1	3	1	2
Bronchitis ...	1	—	—	—	1	—	1	2	—
Others ...	—	—	—	—	—	—	—	—	2
Digestive Diseases—									
Enteritis and Colitis	—	—	—	1	—	1	1	1	—
Appendicitis ...	—	—	—	—	—	—	—	1	2
Others ...	—	—	—	1	—	1	1	2	1
Violence—									
Road Traffic Accidents ...	7	5	2	1	9	6	15	13	15
Other Violent Causes	13	1	9	3	22	4	26	21	18
Other Diseases—									
Malignant Neoplasms	3	3	2	3	5	6	11	4	11
Benign and Unspecified Neoplasms ...	—	—	—	—	—	—	—	—	1
Diabetes Mellitus ...	—	—	—	—	—	—	—	—	—
Anaemias ...	—	—	—	1	—	1	1	—	—
Congenital Malformations ...	3	1	—	—	3	1	4	12	6
Nephritis and Nephrosis ...	1	—	1	—	2	—	2	2	—
All Other Causes ...	2	—	1	—	3	—	3	5	6
Totals ...	32	14	21	15	53	29	82	75	79

**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)	730	76.0	5,090	72.6	12,042	69.2	10,745	67.7	7,172	63.8	35,779	68.1
II Children suffering only from slightly defective vision and/or oral sepsis	33	3.4	343	4.9	920	5.3	817	5.2	699	6.2	2,812	5.4
III Children suffering from temporary defects (other than in II)	86	9.0	775	11.1	2,194	12.6	2,162	13.6	1,682	14.9	6,899	13.1
IV Children suffering from curable or improvable defects	110	11.5	793	11.3	2,226	12.8	2,136	13.4	1,678	14.9	6,943	13.2
V Children suffering from defects not considered improvable	1	0.1	6	0.1	28	0.1	23	0.1	21	0.2	79	0.2
Total Numbers of Children Examined	960	100.0	7,007	100.0	17,410	100.0	15,883	100.0	11,252	100.0	52,512	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 II, III and IV increased more or less consistently from Social Group 1 to 5.

**APPENDIX XV.—HOUSING CONDITIONS OF GLASGOW  
SCHOOL CHILDREN IN THE YEAR 1961.**

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

In 1956 the scope of enquiry was extended and the information now obtained from each pupil is as follows :—

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

Tenant : family occupying every room in the house.

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

Lodger : family which lived in sub-let accommodation.

Institution : living in institution or with no fixed abode.

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

The statistical matter has been arranged in the following pages to show comparison, where possible, with similar data obtained in previous surveys (including information from a Report by Sir Leslie Mackenzie in 1906). Some of the Tables employed before have, therefore, been retained but others have been discontinued and new ones created to present the additional information. Much space would be required to give all the possible correlations between housing, average measurements and medical classification, but the Tables which have been chosen for publication are considered to be fairly representative and, where applicable, indicate the trend over a period of up to 50 years (55 years for average measurements).

When studying the figures relating to housing, it should be clearly understood that the housing conditions apply only to the scholars examined and not to housing in the City as a whole. For instance, details are not available regarding houses with no children or with none belonging to any of the age-groups inspected. A comparison between School and City Assessor returns is now given.

		No. of Occupied Houses in City (per City Assessor's Returns)	No. of Houses in School Children Survey
1 apartment	...	27,912 (8.6%)	1,577 (3.4%)
2 apartments	...	97,202 (29.5%)	10,861 (23.7%)
3 apartments	...	112,160 (34.4%)	15,891 (34.7)
4 apartments	...	63,760 (19.6%)	12,562 (27.4%)
5+ apartments	...	25,580 (7.9%)	4,960 (10.8%)
		<u>326,614</u>	<u>45,851</u>

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

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

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

*Table A.2.*—The movement of the population from the smaller to the larger houses was clearly shown. Most consistent improvements were in respect of people living in two-apartment and four-apartment houses; in the former, the percentage of 65.9 in 1912 improved to 23.7 in 1961, whilst in the latter, the improvement in the same period



was from 3.6 per cent. to 27.4 per cent. Another notable feature was the considerable drop in the number of one-apartment houses from 11.3 per cent. in 1912 to 3.4 per cent. in 1961.

*Table A.3.*—The overall average number of inmates per house was unchanged, the only improvements being noted for 13 year-olds living in one-apartment and five-apartment houses, and among 9 year-olds in three-apartments.

*Table A.4.*—The statistics given in this Table relate to *all* children seen at routine medical inspection—with the exception of those in the “Institution” group (totalling 225). It will be noted that, in general, the average number of inmates was greatest in houses occupied by the “Lodger” type of family, except in the case of one-apartment houses where the average was greatest in the “Tenant” type of occupancy.

*Table B.1.*—The consistent increase in the average measurements with each additional apartment is notable—the exceptions being limited to the children in four-apartment houses where a probable explanation is that there *was* an improvement but it was obscured by reason of the large numbers of children removing from the smaller houses. The average measurements also showed consistent increase from year to year since 1906, with minor exceptions.

*Table B.2.*—The number of inmates per house is shown in the Table as the equivalent in adults; i.e. each person aged ten years and over=1 and each under ten years= $\frac{1}{2}$ . Perusal of the statistics shows that the general tendency, with some exceptions, was for the average measurements of 5 year-old boys to fall as the number of inmates increased, and to rise as the number of apartments increased.

*Table B.3.*—The average measurements of “ordinary” school children in two-apartment houses are shown in the Table to decrease as the number of inmates increase.

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

*Table C.2.*—The standards of occupancy for assessment of overcrowding adopted for the purposes of this Table and Table B.2. were based on the Housing Acts and were as follows :—Not overcrowded : 1 apt.—2 adults ; 2 apts.—3 adults ; 3 apts.—5 adults ; 4 apts.—7½ adults ; 5 apts.—10 adults. Children under ten years of age were each taken as ½ adult, two of such children being regarded as the equivalent of one adult.

Medical classification and the degree of “overcrowding” were shown to be correlated in each of the types of occupancy. That is, each increase in overcrowded home conditions was accompanied by increased incidence of the less remediable types of ailment in the children drawn from such homes. All of the few exceptions to the rule were found in the “much overcrowded” category and mainly under the “landlord” type of occupancy.

#### SUMMARY.

The housing conditions of Glasgow school children over the past fifty years had shown considerable improvement as evidenced by the progressive movement of families from smaller to larger houses (Table A.2) ; the rise of the four-apartment house and the fall of the “single-end” were notable. The average number of inmates per house was unchanged from 1956 (Table A.3). An unsatisfactory feature, however, was that the “Lodger” type of occupancy (i.e. the sub-let accommodation) provided the largest number of inmates, on an average (Table A.4).

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

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

**APPENDIX XV—Table A.1—SUMMARY OF HOUSING INFORMATION PROVIDED BY PARENTS OF CHILDREN OF 5, 9 AND 13 YEARS OF AGE AT THE TIME OF ROUTINE MEDICAL INSPECTION IN 1961.**

Size of House		One Apartment		Two Apartments		Three Apartments		Four Apartments		Five or more Apartments		Totals						
		A	B	A	B	A	B	A	B	A	B	A	B	C				
School or Class	Age																	
Non-Transferred	5 years ...	583	2,809	3,429	16,908	3,664	18,420	2,321	13,936	949	5,501	10,946	57,574	33,134				
	9 years ...	225	1,143	1,863	9,443	3,018	12,809	2,390	13,880	1,098	6,312	8,594	43,587	28,979				
	13 years ...	113	501	1,671	8,114	4,069	18,967	3,460	19,052	1,502	8,093	10,815	54,727	38,284				
	Total ...	921	4,453	6,963	34,465	10,751	50,196	8,171	46,868	3,549	19,906	30,355	155,888	100,397				
Transferred ...	5 years ...	439	2,218	1,947	10,418	1,934	10,697	1,310	9,043	378	2,880	6,008	35,256	17,454				
	9 years ...	116	632	1,061	6,030	1,397	7,739	1,292	8,872	461	3,459	4,327	26,732	14,161				
	13 years ...	69	319	742	3,878	1,606	8,594	1,622	10,358	510	3,553	4,549	26,702	15,667				
	Total ...	624	3,169	3,750	20,326	4,937	27,030	4,224	28,273	1,349	9,892	14,884	88,690	47,282				
For Physically Handicapped	5 years ...	2	13	4	19	6	29	2	17	1	4	15	82	41				
	9 years ...	3	12	10	51	16	88	10	68	3	21	42	240	45				
	13 years ...	—	—	13	61	20	111	15	92	6	30	54	294	61				
	Total ...	5	25	27	131	42	228	27	177	10	55	111	616	147				
For Mentally Handicapped	5 years ...	1	5	8	44	10	51	6	38	1	13	26	151	76				
	9 years ...	10	54	60	343	65	364	51	358	24	191	210	1,310	661				
	13 years ...	18	88	72	401	116	670	100	673	26	186	332	2,018	1,042				
	Total ...	29	147	140	788	191	1,085	157	1,069	51	390	568	3,479	1,779				
All Schools and Classes ...	5 years ...	1,025	5,045	5,388	27,389	5,614	29,197	3,639	23,034	1,329	8,398	16,995	93,063	50,705				
	9 years ...	352	1,841	2,986	15,867	4,483	21,000	3,737	23,178	1,588	9,983	13,146	71,869	43,846				
	13 years ...	200	908	2,487	12,454	5,794	28,342	5,186	30,175	2,043	11,862	15,710	83,741	55,054				
	Total ...	1,577	7,794	10,861	55,710	15,891	78,539	12,562	76,387	4,960	30,243	45,851	248,673	149,605				

For percentages of children represented by the above figures and average number of inmates per house, see Tables A2 and A3.

**APPENDIX XV.—Table A.2.—AN ANALYSIS OF HOUSING INFORMATION PROVIDED BY PARENTS AT THE TIME OF ROUTINE MEDICAL INSPECTION IN EACH OF THE YEARS, 1912, 1924, 1924, 1931, 1936, 1944, 1951, 1956 and 1961.**

PERCENTAGES OF CHILDREN IN THE VARIOUS GROUPS DRAWN FROM HOUSES OF THE NUMBER OF APARTMENTS SHOWN.

School or Class.	Year	One Apartment.				Two Apartments.				Three Apartments.				Four Apartments.				Five (or more) Apts.			
		5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total
Non-Transferred	1912	17.5	14.1	9.4	9.7	58.9	61.9	67.2	64.9	18.7	Not available	Not available	4.1	Not available	Not available	Not available	4.1	3.5	2.9	2.5	2.6
	1924	15.4	10.2	7.1	15.3	52.0	51.2	50.8	51.4	21.7	25.7	27.6	16.5	3.9	4.5	3.9	16.5	3.6	4.7	4.8	3.2
	1931	15.2	8.6	5.2	9.8	46.7	46.5	43.8	45.7	26.2	30.0	33.5	24.6	7.3	8.3	9.8	8.2	3.0	3.9	4.8	3.9
	1936	14.5	10.5	6.3	10.8	44.2	43.1	42.2	42.2	25.9	28.3	31.9	29.8	11.4	13.9	17.0	10.8	4.1	4.2	6.1	4.7
	1944	12.4	8.0	4.8	8.7	37.9	38.0	35.4	37.1	26.5	27.8	28.3	27.5	17.1	19.4	23.8	20.0	6.0	6.7	7.7	6.8
	1951	10.1	4.2	2.7	5.9	35.2	27.6	23.5	22.9	26.8	32.3	32.4	30.3	20.7	27.1	31.1	25.9	7.2	8.8	10.3	8.7
	1956	5.3	2.6	1.0	3.0	31.3	21.7	15.5	22.9	33.5	35.1	37.4	35.4	21.2	27.8	32.0	26.9	8.7	12.8	13.9	11.7
Transferred	1912	Not available	Not available	16.9	16.9	Not available	Not available	16.3	69.6	10.9	Not available	Not available	1.8	Not available	Not available	Not available	1.8	1.0	0.9	0.4	0.5
	1924	27.0	20.1	15.5	22.0	61.6	67.5	71.1	65.8	8.4	9.8	11.4	9.6	2.0	1.7	1.6	1.8	1.1	1.7	2.3	1.5
	1931	22.6	18.1	12.1	18.3	59.3	60.1	60.6	59.9	14.2	16.6	20.3	16.6	2.8	3.4	5.0	3.6	1.1	1.5	2.0	1.7
	1936	19.2	13.3	8.5	13.9	50.2	53.7	51.9	51.9	22.8	24.7	28.4	25.2	6.4	6.8	8.9	7.3	1.5	1.5	2.3	3.1
	1944	19.7	12.3	7.4	14.1	47.2	45.1	42.2	45.2	22.3	27.9	31.1	26.4	8.3	11.3	15.3	11.1	2.4	3.3	3.9	3.1
	1951	17.3	10.3	7.4	11.9	42.0	41.2	36.8	40.0	21.6	25.5	25.7	24.1	15.3	17.2	23.3	18.5	3.9	5.8	6.8	5.4
	1956	12.1	6.1	3.9	7.9	36.9	30.5	27.3	32.1	25.9	28.7	28.6	27.6	19.2	26.4	30.9	24.8	5.9	8.3	9.3	7.6
1961	7.3	2.7	1.5	4.2	32.4	24.5	16.3	25.2	32.2	32.3	35.3	33.2	21.8	29.9	35.7	28.4	6.3	10.7	11.2	9.1	
For Physically Handicapped	1912	Not available	Not available	12.5	12.5	Not available	Not available	14.3	71.7	15.1	Not available	Not available	0.7	Not available	Not available	Not available	0.7	—	—	—	—
	1924	24.3	22.1	15.2	20.7	67.9	66.2	71.4	68.3	7.9	9.2	12.1	9.7	—	1.9	1.0	1.0	—	—	0.6	0.3
	1931	18.1	17.4	11.1	15.9	60.6	57.9	62.6	59.5	18.9	19.4	20.5	19.6	2.4	4.2	4.7	4.0	—	—	1.2	1.1
	1936	20.6	15.2	11.4	14.6	45.1	50.3	50.7	49.8	24.5	26.7	29.1	27.2	8.8	7.1	7.5	7.4	1.0	0.7	1.3	0.9
	1944	35.0	11.7	14.4	16.4	37.5	55.3	44.8	47.8	22.5	23.3	22.4	22.8	5.0	7.8	12.8	9.7	—	—	1.9	5.6
	1951	27.3	15.2	12.8	15.4	45.5	43.7	30.8	38.6	9.1	18.7	23.4	19.7	18.2	17.0	26.6	21.0	—	—	5.4	6.4
	1956	20.0	15.6	5.4	12.9	40.0	34.4	33.9	35.1	16.0	23.3	26.8	23.4	16.0	23.3	32.1	25.1	8.0	3.4	1.8	3.5
1961	13.3	6.7	—	6.8	26.7	13.3	14.3	18.2	40.0	20.0	21.4	27.3	13.3	26.7	28.6	22.7	6.7	33.3	35.7	25.0	
For Mentally Handicapped	1912	Not available	Not available	19.1	19.1	Not available	Not available	21.7	63.8	14.9	Not available	Not available	2.1	Not available	Not available	Not available	2.1	—	—	—	—
	1924	27.3	18.5	12.8	22.2	63.4	66.0	66.0	65.1	—	8.1	13.0	10.8	—	1.2	1.7	1.4	—	—	—	0.5
	1931	11.1	20.5	15.4	18.0	88.9	63.2	61.7	63.1	—	13.2	19.7	15.8	—	2.3	2.1	2.2	—	—	0.9	1.0
	1936	—	22.5	14.0	17.4	—	41.6	51.3	47.4	—	28.7	24.8	26.4	—	6.2	8.9	7.8	—	—	1.0	1.0
	1944	—	18.0	12.9	14.6	—	47.0	42.3	43.7	—	26.0	29.4	28.1	100.0	7.0	13.4	11.5	—	—	2.0	2.1
	1951	22.2	17.1	12.6	14.2	—	46.9	38.6	40.6	55.6	18.3	21.0	20.8	11.1	12.8	20.2	17.7	11.1	4.9	7.6	6.8
	1956	25.0	9.3	6.4	8.2	18.8	37.4	34.2	35.2	18.8	25.6	28.5	26.9	31.3	23.2	25.8	24.8	6.3	4.5	5.1	4.9
1961	3.8	4.8	5.4	5.1	30.8	28.6	21.7	24.6	38.5	31.0	34.9	33.6	23.1	24.3	30.1	27.6	3.8	11.4	8.8	9.0	
All Schools and Classes	1912	Not available	Not available	11.3	11.3	Not available	Not available	15.8	65.9	17.3	Not available	Not available	3.6	Not available	Not available	Not available	3.6	Not available	Not available	Not available	1.9
	1924	19.8	15.9	12.8	17.2	59.6	63.3	68.6	62.4	14.3	14.6	14.3	14.5	3.4	3.7	2.8	3.4	2.9	2.4	1.5	2.5
	1931	17.4	12.4	8.6	13.3	54.1	53.7	53.8	53.9	19.6	23.2	25.3	22.4	6.0	6.9	8.3	6.9	2.9	3.8	3.9	3.5
	1936	16.3	10.1	6.4	11.1	47.7	48.4	46.2	47.5	25.2	28.6	31.9	28.5	8.2	9.7	11.5	9.8	2.6	3.1	4.0	3.2
	1944	16.1	11.1	6.8	11.8	45.1	43.9	39.7	43.1	24.8	28.1	31.5	27.8	10.4	13.0	16.5	13.0	3.6	3.9	5.5	4.2
	1951	13.8	8.9	5.8	9.7	39.1	39.1	35.9	38.0	25.1	26.9	27.3	26.4	16.6	18.6	23.5	19.5	5.4	6.4	7.4	6.4
	1956	10.8	4.9	3.3	6.6	35.8	28.7	25.0	30.2	26.5	31.1	31.3	29.4	20.1	26.8	30.6	25.6	6.8	8.5	9.8	8.2
1961	6.0	2.7	1.3	3.4	31.7	22.7	15.8	23.7	33.0	34.1	36.9	34.7	21.4	28.4	33.0	27.4	7.8	12.1	13.0	10.8	

**APPENDIX XV.—Table A.3.—ANALYSIS OF HOUSING INFORMATION PROVIDED BY PARENTS IN THE YEARS 1912, 1924, 1931, 1936, 1944, 1951, 1956, and 1961.**

AVERAGE NUMBER OF INMATES OF ALL AGES PER HOUSE.

Size of House. School or Class.	One Apartment.			Two Apartments.			Three Apartments.			Four Apartments.			Five (or more) Apts.			Totals.		
	Year	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	5 yrs.	9 yrs.	13 yrs.	Total	
Non-Transferred	1912	Not available	4.1	6.2	6.9	Not available	6.4	6.9	6.4	Not available	6.5	6.5	6.1	Not available	6.1	6.1	6.1	
	1924	5.0	4.8	4.9	5.9	5.8	6.0	6.5	6.0	6.0	6.2	6.6	6.4	6.3	5.8	6.6	5.8	
	1931	5.0	5.2	5.0	5.5	5.7	5.8	5.9	5.8	5.7	5.9	6.3	6.0	5.5	5.7	5.8	5.6	
	1936	4.7	5.0	4.7	5.3	5.5	5.6	5.7	5.6	6.1	6.0	6.0	5.8	5.3	5.6	5.6	5.5	
	1944	4.7	4.8	4.7	4.8	5.1	5.0	5.2	5.3	5.6	5.9	5.8	5.8	5.0	5.3	5.2	5.2	
	1951	4.7	4.9	5.0	4.9	5.1	5.2	5.2	5.2	5.8	6.0	5.8	5.9	5.9	5.3	5.3	5.3	
	1956	4.8	4.9	4.7	4.9	4.9	4.9	4.7	4.8	5.8	5.6	5.6	5.7	5.7	5.1	5.1	5.1	
1961	4.8	5.1	4.4	4.8	4.9	5.0	4.2	4.7	6.0	5.8	5.7	5.4	5.6	5.3	5.1	5.1		
Transferred	1912	Not available	4.9	6.4	7.5	Not available	7.5	8.0	8.0	Not available	8.0	8.0	8.0	Not available	6.3	6.3	6.3	
	1924	5.3	5.5	5.4	6.4	6.4	7.1	7.1	7.4	7.5	7.1	7.4	7.8	7.8	6.1	6.3	6.2	
	1931	5.4	5.5	5.3	6.1	6.3	6.9	6.9	7.3	7.0	7.3	7.4	7.2	6.1	6.3	6.3	6.2	
	1936	5.1	5.2	4.9	6.0	6.2	6.5	6.6	6.6	7.6	7.6	7.2	7.5	7.0	6.1	6.3	6.3	
	1944	4.8	5.2	5.1	5.4	5.7	6.1	6.8	6.0	7.3	7.1	7.6	7.9	7.9	5.7	6.1	6.0	
	1951	5.1	5.3	5.3	5.2	5.8	6.1	6.3	6.0	7.1	6.8	6.9	7.8	7.8	6.0	6.2	6.1	
	1956	5.1	5.3	5.6	5.5	5.6	5.7	5.5	5.6	6.9	6.6	6.6	7.4	7.4	5.9	6.0	5.9	
1961	5.1	5.4	4.6	5.1	5.4	5.5	5.5	5.4	6.9	6.9	6.4	6.7	7.3	5.9	6.2	5.9		
For Physically Handicapped	1912	Not available	5.5	6.8	7.8	Not available	7.8	8.0	8.0	Not available	8.0	8.0	8.0	Not available	6.8	6.8	6.8	
	1924	6.4	5.4	4.8	7.0	7.1	7.4	7.6	7.6	8.0	6.2	7.0	8.4	7.0	6.7	6.2	6.6	
	1931	5.0	5.1	5.0	6.6	6.2	6.7	6.0	6.7	8.0	5.7	6.9	8.0	8.0	6.6	6.1	6.1	
	1936	5.2	5.3	5.2	6.0	6.1	6.6	6.2	6.5	8.1	6.8	7.3	7.1	8.0	6.2	6.2	6.1	
	1944	5.2	4.7	4.4	5.8	5.5	6.3	6.4	6.4	5.5	7.1	6.0	8.3	8.3	5.5	5.9	5.9	
	1951	5.3	5.6	6.1	5.7	6.0	6.3	6.4	6.2	6.5	6.6	6.4	8.3	8.3	5.8	5.9	6.1	
	1956	5.2	5.4	2.7	6.8	5.3	5.9	5.7	4.9	6.3	8.2	7.2	7.6	7.6	6.0	5.8	6.1	
1961	6.5	4.0	—	4.8	5.2	4.8	5.5	5.6	8.5	6.8	6.1	6.7	5.0	5.5	5.7	5.5		
For Mentally Handicapped	1912	Not available	5.2	5.6	7.2	Not available	7.2	7.2	7.2	Not available	7.2	7.2	7.2	Not available	5.8	5.8	5.8	
	1924	5.2	5.5	5.3	6.4	6.3	7.2	7.2	7.1	—	6.5	7.6	8.0	8.0	5.6	6.2	6.3	
	1931	4.0	5.6	5.4	7.0	6.2	7.0	6.9	7.0	—	6.4	7.0	6.7	6.7	6.7	6.0	6.1	
	1936	—	5.0	5.0	—	6.1	6.0	6.1	6.2	—	6.2	7.6	7.2	7.8	—	5.9	6.0	
	1944	—	4.7	4.8	—	5.5	5.8	5.8	5.9	5.0	7.4	6.4	6.6	8.7	5.0	5.8	5.1	
	1951	3.5	5.6	5.8	5.2	6.2	6.6	6.3	6.4	6.0	7.8	6.9	7.8	7.9	5.2	6.5	6.4	
	1956	4.5	5.1	5.5	6.7	6.1	5.9	5.7	5.7	5.8	7.2	6.9	7.0	7.9	5.4	6.2	6.2	
1961	5.0	5.4	4.9	5.1	5.7	5.1	5.6	5.8	6.3	7.0	6.7	6.8	7.6	5.8	6.2	6.1		
All Schools and Classes	1912	Not available	4.3	6.2	7.0	Not available	7.0	6.5	6.5	Not available	6.6	6.6	6.6	Not available	6.2	6.2	6.2	
	1924	5.0	5.0	5.3	5.9	6.1	6.6	6.8	6.2	6.2	6.3	6.7	6.6	6.6	5.8	6.0	5.9	
	1931	5.1	5.3	5.1	5.7	5.9	6.0	6.2	6.0	5.9	6.1	6.4	6.1	6.1	5.7	5.9	5.8	
	1936	4.8	5.1	4.8	5.5	5.8	5.7	5.9	5.9	6.2	6.4	6.4	6.3	6.0	5.6	5.8	5.7	
	1944	4.6	4.9	4.8	5.0	5.3	5.2	5.5	5.5	6.0	6.3	6.1	6.1	6.4	5.2	5.5	5.4	
	1951	4.8	5.1	5.2	5.1	5.3	5.2	5.4	5.4	6.2	6.3	6.2	6.2	6.5	5.4	5.6	5.5	
	1956	4.9	5.0	5.1	5.1	5.1	5.0	4.9	5.0	6.2	5.9	5.8	5.8	6.2	5.4	5.4	5.4	
1961	4.9	5.2	4.5	5.1	5.3	5.0	4.9	4.9	6.3	6.2	6.3	6.1	6.1	5.5	5.5	5.3		

**APPENDIX XV.—Table A.4.—SUMMARY OF HOUSING INFORMATION PROVIDED BY PARENTS AT THE TIME OF ROUTINE MEDICAL INSPECTION IN 1961.**

School or Class	Type of Occupancy	One Apartment Inmates			Two Apartments Inmates			Three Apartments Inmates			Four Apartments Inmates			Five or more Apartments Inmates			Totals Inmates		Number of Pupils Examined and Percentage of Total
		+10		Total	+10		Total	+10		Total	+10		Total	+10		Total	+10	Total	
		-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	Total	
Non-Transferred	Tenant	2.4	2.5	4.9	2.9	2.0	4.9	3.2	1.6	4.8	4.0	1.7	5.7	4.1	1.7	5.8	3.4	5.2	34,310 (93.7)
	Landlord	2.4	1.5	3.9	2.7	2.1	4.8	3.0	1.3	4.3	3.1	1.1	4.2	3.6	1.0	4.6	3.4	4.5	2,003 (5.5)
	Lodger	2.2	2.1	4.3	3.0	2.0	5.0	3.5	2.0	5.5	4.0	2.1	6.1	3.5	2.1	5.6	3.3	5.3	309 (0.8)
Total ...	2.4	2.4	4.8	2.9	2.0	4.9	3.2	1.6	4.8	4.0	1.7	5.7	3.9	1.5	5.4	3.4	5.1	36,442 (100.0)	
Transferred	Tenant	2.5	2.5	5.0	2.9	2.5	5.4	3.4	2.1	5.5	4.4	2.3	6.7	4.8	2.5	7.3	3.7	6.0	17,078 (97.1)
	Landlord	2.4	2.7	5.1	2.6	2.7	5.3	3.1	2.0	5.1	4.1	1.4	5.5	4.3	2.1	6.4	3.5	5.7	344 (2.0)
	Lodger	2.3	2.8	5.1	3.0	2.8	5.8	3.7	2.3	6.0	4.2	2.7	6.9	5.6	3.2	8.8	3.3	6.0	170 (0.9)
Total ...	2.5	2.6	5.1	2.9	2.5	5.4	3.4	2.1	5.5	4.4	2.3	6.7	4.7	2.5	7.2	3.7	6.0	17,592 (100.0)	
For Physically Handicapped	Tenant	2.6	2.4	5.0	3.1	2.0	5.1	3.6	1.8	5.4	4.9	2.2	7.1	3.7	2.4	6.1	3.8	5.8	156 (98.1)
	Landlord	—	—	—	—	—	—	2.0	1.0	3.0	—	—	—	5.0	—	5.0	3.5	4.0	2 (1.3)
	Lodger	2.0	2.0	4.0	—	—	—	—	—	—	—	—	—	—	—	—	2.0	4.0	1 (0.6)
Total ...	2.5	2.3	4.8	3.1	2.0	5.1	3.6	1.8	5.4	4.9	2.2	7.1	3.8	2.2	6.0	3.8	5.8	159 (100.0)	
For Mentally Handicapped	Tenant	3.2	1.5	4.7	3.7	1.9	5.6	4.0	1.7	5.7	4.8	2.1	6.9	5.4	2.1	7.5	4.2	6.1	744 (98.0)
	Landlord	6.0	2.0	8.0	—	—	—	1.5	1.0	2.5	—	—	—	7.0	1.0	8.0	4.0	5.3	4 (0.5)
	Lodger	3.3	1.3	4.6	4.3	2.2	6.5	5.5	2.0	7.5	4.0	3.0	7.0	10.0	—	10.0	4.7	6.5	11 (1.5)
Total ...	3.3	1.5	4.8	3.6	1.9	5.5	4.0	1.7	5.7	4.8	2.7	6.9	5.5	2.0	7.5	4.2	6.1	759 (100.0)	
All Schools and Classes	Tenant	2.4	2.5	4.9	2.9	2.2	5.1	3.3	1.7	5.0	4.1	1.9	6.0	4.3	1.9	6.2	3.5	5.4	52,108 (94.8)
	Landlord	2.5	2.3	4.8	2.6	2.4	5.0	3.0	1.5	4.5	3.3	1.1	4.4	3.6	1.2	4.8	3.4	4.7	2,353 (4.3)
	Lodger	2.3	2.4	4.7	3.1	2.3	5.4	3.5	2.1	5.6	4.0	2.3	6.3	4.2	2.3	6.5	3.3	5.6	491 (0.9)
Total ...	2.4	2.5	4.9	2.9	2.2	5.1	3.3	1.7	5.0	4.1	1.9	6.0	4.1	1.8	5.9	3.5	5.4	54,952 (100.0)	

**APPENDIX XV.—Table B.1.—AVERAGE HEIGHTS AND WEIGHTS OF BOYS IN ORDINARY SCHOOLS ARRANGED ACCORDING TO HOUSING CONDITIONS—NUMBERS OF BOYS IN 1961 AS IN TABLE A.1.**

Age	Year	Height in inches						Weight in lbs.					
		Number of Apartments						Number of Apartments					
		1	2	3	4	5+	All	1	2	3	4	5+	All
5 years	1906	39.0	39.9	40.7	41.7	41.4	40.1	37.2	38.6	39.5	40.1	38.7	
	1924	40.2	40.3	41.3	41.7	42.2	40.7	38.1	*†37.8	39.9	40.6	39.1	
	1931	40.3	40.7	41.6	42.3	42.7	40.9	38.4	39.1	40.3	41.5	39.5	
	1931	40.9	41.2	41.7	†42.1	†42.6	41.4	39.0	39.7	40.3	†41.1	39.9	
	1944	41.3	41.7	42.0	42.4	52.7	41.8	40.5	41.1	41.4	42.1	41.2	
	1951	41.6	42.2	42.7	*42.6	43.1	42.3	40.8	41.8	42.4	*42.3	41.9	
	1956	41.8	42.2	†42.6	42.6	43.2	42.4	41.2	41.9	42.5	42.8	42.3	
	<b>1961</b>	42.1	42.5	42.8	*42.7	†43.1	42.7	41.7	42.5	42.8	*†42.6	†43.2	42.6
	9 years	1906	46.5	47.6	48.2	48.9	47.7	47.7	51.4	53.1	54.8	56.3	53.6
		1924	—	—	—	—	—	49.0	—	—	—	—	56.1
1931		48.3	49.0	49.8	50.6	51.0	49.3	55.1	56.6	58.5	60.0	57.2	
1936		49.0	49.5	50.0	†50.5	†50.8	49.7	56.5	57.4	58.5	†59.6	†61.1	58.0
1944		50.0	50.6	50.9	51.1	51.4	50.7	59.3	60.7	61.3	61.8	62.7	60.9
1951		50.6	51.1	51.5	51.6	51.7	51.3	60.5	61.8	62.7	62.7	63.6	62.2
1956		50.6	†51.0	51.6	51.7	52.1	51.5	61.1	62.3	64.0	64.0	65.0	63.5
<b>1961</b>		51.0	51.4	51.8	51.8	52.4	51.8	63.5	63.6	64.5	*†63.9	66.0	64.3
13 years		1906	53.4	54.1	55.1	55.8	54.5	54.5	69.9	72.3	75.3	76.8	73.5
		1924	54.1	54.4	55.7	56.5	57.4	54.5	72.2	73.2	78.1	79.2	74.9
	1931	55.3	55.7	56.6	57.5	58.0	56.2	77.1	78.2	81.4	84.2	79.7	
	1936	56.1	56.8	57.4	57.9	59.1	57.2	79.2	81.6	83.6	85.7	82.9	
	1944	57.8	58.3	58.7	58.7	59.3	58.5	87.0	87.8	89.1	*89.0	88.6	
	1951	†57.7	58.7	59.0	59.1	59.5	58.9	†85.2	89.3	90.1	90.2	89.8	
	1956	58.0	58.7	59.3	*59.2	59.8	59.1	87.9	91.1	92.7	*91.7	92.0	
	<b>1961</b>	59.1	59.5	60.0	*59.9	60.5	59.7	92.1	96.4	96.8	*96.0	97.6	96.5

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

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

**APPENDIX XV.—Table B.1.—AVERAGE HEIGHTS AND WEIGHTS OF GIRLS IN ORDINARY SCHOOLS ARRANGED ACCORDING TO HOUSING CONDITIONS—NUMBERS OF GIRLS IN 1961 AS IN TABLE A.1.**

Age	Year	Height in inches							Weight in lbs.						
		Number of Apartments							Number of Apartments						
		1	2	3	4	5+	All	1	2	3	4	5+	All		
5 years	1906	38.9	39.8	40.2	41.0	41.7	42.1	39.9	36.6	37.8	38.0	39.2	37.8	37.8	37.8
	1924	39.3	40.1	41.2	41.7	42.1	42.4	40.3	37.3	38.0	38.5	39.5	38.0	38.0	
	1931	40.0	40.5	41.3	41.9	42.4	42.4	40.7	†37.1	†37.8	38.8	40.0	38.8	38.1	
	1936	40.6	41.0	41.3	†41.7	42.4	42.4	41.1	37.5	38.2	38.8	†39.4	38.8	38.4	
	1944	41.0	41.3	41.7	42.0	42.1	42.4	41.4	38.9	39.4	39.8	40.6	39.8	39.6	
	1951	41.3	41.7	42.3	42.4	42.8	42.8	42.0	39.4	40.2	40.8	41.1	40.8	40.5	
	1956	41.4	41.8	†42.2	42.4	†42.7	42.0	42.0	39.6	40.5	41.1	41.4	41.4	40.8	
	<b>1961</b>	41.7	42.1	42.4	42.5	43.0	42.6	42.6	40.1	41.2	41.3	41.4	42.4	41.3	
	9 years	1906	46.2	46.9	47.7	48.6	48.6	47.2	47.2	49.6	51.4	52.8	54.7	51.4	51.9
		1924	—	—	—	—	—	47.9	47.9	—	—	—	—	—	53.3
1931		48.1	48.8	49.5	50.2	50.7	49.1	49.1	53.2	54.5	56.0	57.6	54.5	55.1	
1936		48.6	49.1	49.7	50.1	50.8	49.4	49.4	54.2	55.3	56.4	†57.3	55.3	55.9	
1944		49.7	50.2	50.5	50.6	50.8	50.3	50.3	57.4	58.5	59.3	*58.9	58.5	58.8	
1951		50.0	50.6	51.0	51.1	51.6	50.8	50.8	58.8	59.8	60.6	60.9	59.8	60.3	
1956		50.0	50.7	51.2	51.2	51.8	51.0	51.0	60.2	62.0	62.7	62.1	62.0	62.3	
<b>1961</b>		50.5	51.1	51.6	*51.5	52.0	51.5	51.5	60.5	62.9	64.5	*63.2	62.9	63.8	
13 years		1906	53.9	54.8	55.5	56.4	56.4	55.1	55.1	71.9	73.9	76.3	79.3	73.9	75.1
		1924	55.2	*†54.6	56.5	57.3	*56.8	56.3	56.3	76.3	76.8	80.0	81.6	76.8	78.2
	1931	56.0	56.8	57.5	58.3	58.8	57.1	57.1	79.5	82.0	84.3	87.3	82.0	83.2	
	1936	57.4	57.8	58.3	58.7	59.5	58.1	58.1	84.9	86.4	88.2	89.6	86.4	87.6	
	1944	58.5	58.9	59.2	59.4	60.1	58.8	58.8	90.3	92.0	*91.1	93.3	92.0	92.4	
	1951	†58.4	58.9	59.4	59.4	60.1	59.2	59.2	91.0	93.0	94.7	*94.4	93.0	94.0	
	1956	58.6	59.4	59.8	*59.7	60.3	59.7	59.7	92.2	97.4	97.7	*96.6	97.4	97.3	
	<b>1961</b>	59.5	59.9	60.2	60.4	60.8	60.3	60.3	102.2	102.4	*101.7	*101.7	102.4	102.2	

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

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



**APPENDIX XV.—Table B.2.—AVERAGE MEASUREMENTS OF 8,606 BOYS OF 5 YEARS OF AGE  
ARRANGED ACCORDING TO NUMBERS OF APARTMENTS AND OF INMATES.**

No. of Inmates per house (Equivalent Adults).	One Apartment.			Two Apartments.			Three Apartments.			Four Apartments.			Five or more Apartments.		
	Children Examined.			Children Examined.			Children Examined.			Children Examined.			Children Examined.		
	No.	Ht. (ins.).	Wt. (lbs.).	No.	Ht. (ins.).	Wt. (lbs.).	No.	Ht. (ins.).	Wt. (lbs.).	No.	Ht. (ins.).	Wt. (lbs.).	No.	Ht. (ins.).	Wt. (lbs.).
1½	13	42.8	43.4	16	42.8	44.0	6	43.1	46.5	1	41.8	40.3	2	45.1	46.6
2	13	42.7	44.1	17	42.6	42.0	7	43.9	45.5	4	43.9	43.3	1	44.8	51.3
2½	55	42.8	43.8	254	43.2	43.8	210	43.6	44.6	56	43.6	43.7	27	43.9	44.1
3	162	42.2	41.8	736	42.9	43.0	594	43.0	43.3	216	43.5	44.2	121	43.7	44.4
3½	126	42.1	41.2	650	42.5	42.7	704	42.9	42.9	206	43.2	42.9	93	43.7	43.7
4	65	41.8	40.7	390	42.1	41.6	422	42.6	42.5	225	42.9	42.4	65	43.1	43.1
4½	34	41.4	41.5	256	42.1	41.6	360	42.6	42.3	215	43.0	43.0	70	43.3	44.3
5	23	41.9	41.5	149	42.3	42.1	200	42.4	41.8	204	42.5	42.3	53	43.0	42.8
5½	12	41.6	41.0	72	42.2	42.2	128	42.7	42.5	214	42.6	42.4	47	42.9	42.5
6	7	40.8	39.7	66	41.4	40.5	78	41.8	41.3	137	42.3	41.6	33	42.6	41.7
6½	4	41.6	40.4	34	41.6	41.2	57	41.9	41.4	105	42.4	42.5	36	42.9	42.8
7	3	41.0	39.8	25	41.6	41.2	43	42.0	42.0	95	42.2	42.1	34	42.1	41.3
7½	2	41.1	40.1	9	42.2	42.1	13	42.0	40.4	63	42.3	41.5	31	42.5	42.0
8	1	41.8	38.8	14	41.1	40.1	9	42.4	42.6	30	41.9	41.7	15	42.4	41.7
8½	1	42.8	39.8	2	40.6	39.1	8	42.5	42.5	27	42.2	41.0	17	42.2	41.4
9	—	—	—	6	41.0	39.3	3	42.1	44.0	14	41.8	41.7	7	41.2	39.3
9½	1	38.8	34.3	1	39.8	42.8	5	42.3	42.5	11	41.1	40.3	12	42.8	43.0
10+	1	41.3	43.3	4	41.4	41.4	5	42.3	41.4	22	40.8	39.9	21	42.5	41.5
Total ...	523	42.1	41.7	2,701	42.5	42.5	2,852	42.7	42.8	1,845	42.7	42.6	685	43.1	43.1

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

**APPENDIX XV.—Table B.3.—AVERAGE MEASUREMENTS OF CHILDREN IN ORDINARY SCHOOLS FROM HOUSES OF TWO APARTMENTS ARRANGED ACCORDING TO NUMBER OF INMATES OF ALL AGES.**

Age and Sex	Number of Inmates per house														Total				
	1½	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8		8½	9	9½	10+
5 yrs.																			
Boys																			
No. of Children	16	17	254	736	650	390	256	149	72	66	34	25	9	14	2	6	1	4	2,701
Height (ins.)	42.8	42.6	43.2	42.9	42.5	42.1	42.1	42.3	42.2	41.4	41.6	41.6	42.2	41.1	40.6	41.0	39.8	41.4	42.5
Weight (lbs.)	44.0	42.0	43.8	43.3	42.7	41.6	41.6	42.1	42.2	40.5	41.2	41.2	42.1	40.1	39.1	39.3	42.8	41.4	42.5
Girls																			
No. of Children	11	11	270	743	610	371	245	138	98	61	38	30	13	11	4	2	1	4	2,661
Height (ins.)	43.0	41.8	42.8	42.3	42.2	42.0	41.8	41.7	41.4	41.3	41.2	41.6	40.6	40.9	41.3	40.1	41.8	38.8	42.3
Weight (lbs.)	44.8	39.2	42.7	42.2	40.9	40.8	40.2	40.3	39.2	39.4	38.4	40.8	38.4	37.6	39.6	40.8	41.3	34.9	41.2
9 yrs.																			
Boys																			
No. of Children	10	3	157	308	299	199	185	143	82	45	31	21	16	11	8	3	3	5	1,529
Height (ins.)	52.1	53.0	52.1	48.7	51.5	51.2	51.2	50.8	51.0	50.3	50.3	50.4	50.2	50.4	50.1	48.1	50.1	49.7	50.7
Weight (lbs.)	62.5	72.6	67.3	65.0	64.0	62.4	63.5	61.1	62.3	61.1	61.6	58.6	60.2	64.8	61.5	55.5	60.8	57.0	63.6
Girls																			
No. of Children	7	9	150	242	267	191	160	122	92	48	36	21	15	6	8	5	1	2	1,382
Height (ins.)	50.7	52.5	51.8	51.5	51.2	51.0	51.0	50.5	50.6	50.2	50.6	50.3	50.8	49.5	49.7	48.4	49.3	51.8	51.1
Weight (lbs.)	57.4	67.4	67.4	63.6	63.7	62.1	62.2	60.7	61.6	60.6	58.8	59.1	60.3	59.9	60.2	53.7	57.8	65.3	62.9
13 yrs.																			
Boys																			
No. of Children	—	47	26	226	110	257	156	145	75	89	31	32	26	14	4	7	1	3	1,249
Height (ins.)	—	60.1	60.6	60.2	60.0	59.7	59.8	58.9	59.0	58.4	58.1	58.8	58.7	58.1	57.7	57.7	57.3	57.8	59.5
Weight (lbs.)	—	96.0	106.4	101.4	99.4	96.0	96.3	94.3	94.6	92.2	88.0	93.8	89.0	86.5	86.8	92.7	80.3	86.5	96.4
Girls																			
No. of Children	—	29	20	215	107	230	140	149	67	81	29	36	21	8	8	11	1	6	1,158
Height (ins.)	—	59.9	59.6	60.6	60.2	60.2	59.6	59.7	59.7	59.5	58.2	58.7	59.7	61.0	60.1	60.2	56.3	58.8	59.9
Weight (lbs.)	—	103.8	99.8	107.2	104.8	103.8	102.9	100.1	98.1	97.6	91.7	95.7	101.3	107.2	103.9	101.3	93.3	92.6	102.4

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

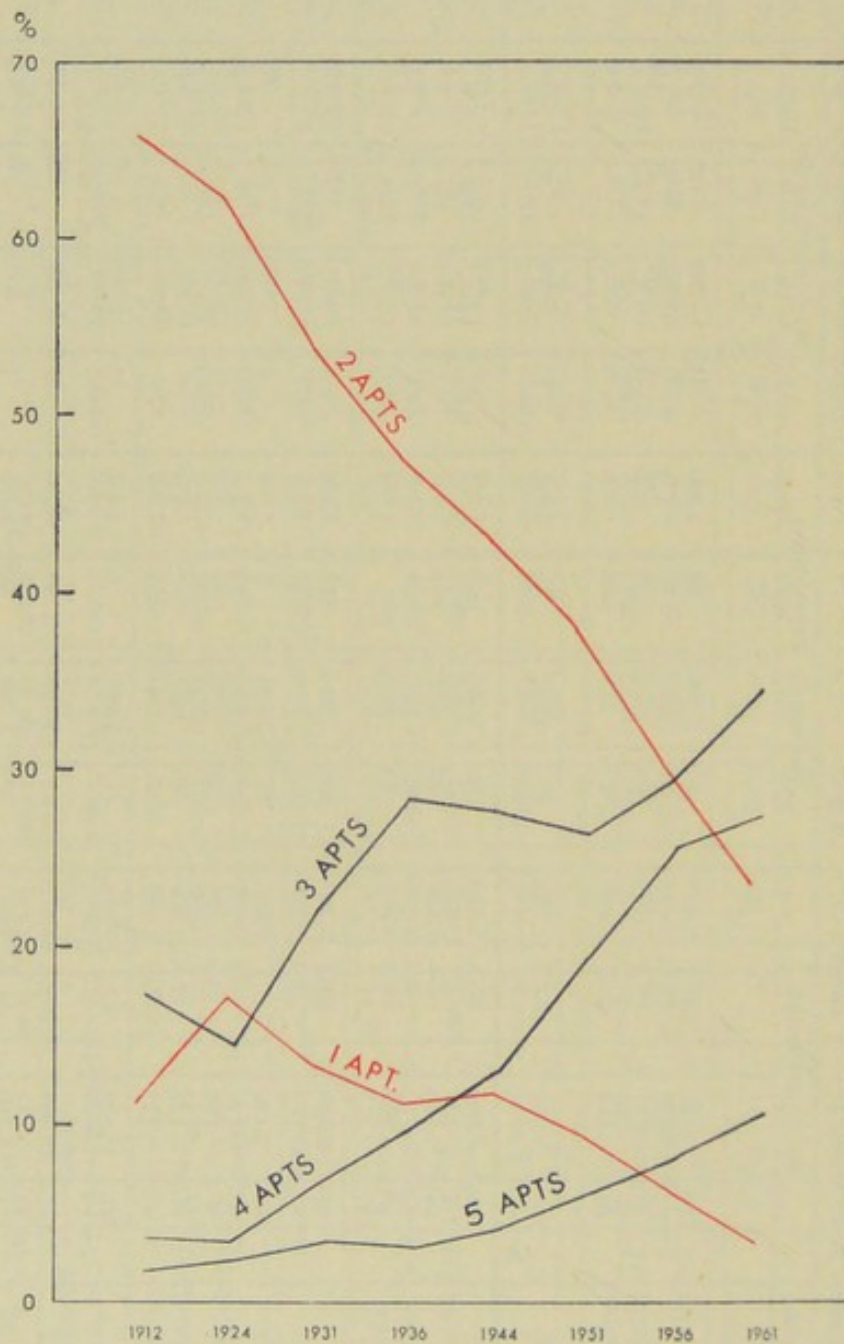
Age	Number of Apartments		One		Two		Three		Four		Five or more		MEDICAL CLASSIFICATION
	Type of School	Medical Classification	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	
5 years	Non-Transferred	Class III	150	25.7	665	19.4	684	18.7	464	20.0	167	17.6	Class I.—Free from defect or having defects of clothing cleanliness and/or minor defects of teeth only.
	Transferred	Class IV, V	126	21.6	703	20.5	628	17.1	328	14.1	117	12.3	
	Total	Class III, IV, V	98	22.3	395	20.3	343	17.7	222	16.9	61	16.1	
9 years	Non-Transferred	Class III	260	25.4	1,011	18.8	1,068	19.1	705	19.4	238	17.9	Class II.—Having one or more minor defects of vision and/or defects of teeth requiring treatment.
	Transferred	Class IV, V	224	21.9	1,098	20.4	971	17.3	550	15.1	178	13.4	
	Total	Class III, IV, V	34	15.1	241	12.9	360	11.9	290	12.1	119	10.8	
13 years	Non-Transferred	Class III	43	19.1	255	13.7	411	13.6	279	11.7	130	11.8	Class III.—Having one or more ailments other than above from which complete recovery is anticipated in a few weeks ('temporary' defects).
	Transferred	Class III, IV, V	27	23.3	158	14.9	207	14.9	182	14.1	62	13.4	
	Total	Class III, IV, V	20	17.2	169	15.9	186	13.3	186	14.1	69	15.0	
All ages	Non-Transferred	Class III	61	17.9	399	13.6	568	12.9	472	12.8	181	11.6	Class IV.—Having one or more defects less remediable than those specified in II or III.
	Transferred	Class IV, V	63	18.5	424	14.5	597	13.5	461	12.5	199	12.8	
	Total	Class III, IV, V	11	9.7	160	9.6	370	9.1	326	9.4	148	9.9	
All ages	Non-Transferred	Class III	19	10.4	253	10.5	562	9.9	496	9.8	196	9.7	Class V.—Having defects from which improvement is not considered possible.
	Transferred	Class IV, V	26	14.3	258	10.7	586	10.3	571	11.2	210	10.4	
	Total	Class III, IV, V	195	21.2	1,066	15.3	1,414	13.2	1,080	13.2	434	12.2	
All ages	Non-Transferred	Class III	182	19.8	1,134	16.3	1,415	13.2	982	12.0	406	11.4	Note.—Percentages for Classes I and II are not given as they are the balance of 100 per cent. after deducting the percentages shown.
	Transferred	Class III, IV, V	145	23.2	597	15.9	784	15.9	593	14.0	181	13.4	
	Total	Class III, IV, V	131	21.0	646	17.2	739	15.0	600	14.2	181	13.4	
All ages	Non-Transferred	Class III	340	22.0	1,663	15.5	2,198	14.0	1,673	13.5	615	12.6	
	Transferred	Class IV, V	313	20.3	1,780	16.6	2,154	13.7	1,582	12.8	587	12.0	
	Total	Class III, IV, V											

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

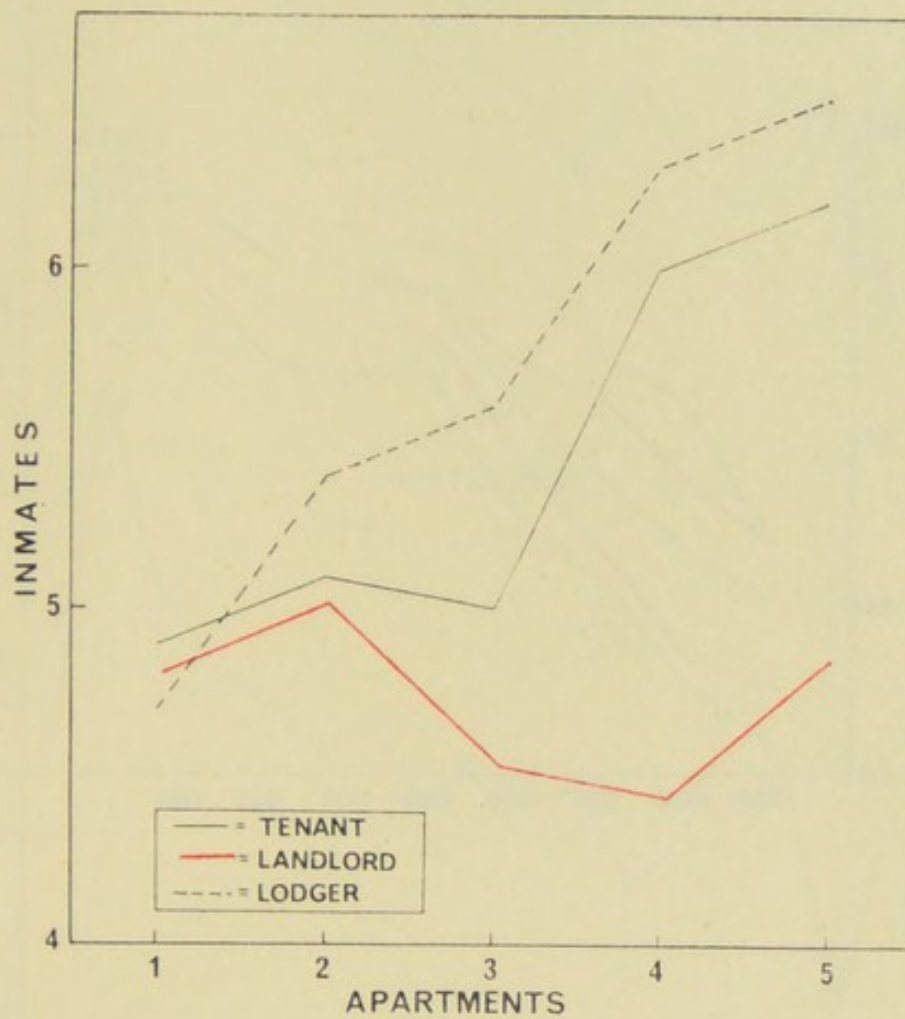
See note to Table C.1 for explanation of medical classification.

Age	Medical Classification	Not Overcrowded				Moderately Overcrowded				Much Overcrowded				Totals			
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
5 years	Classes I, II	372 (72.0)	7,165 (64.6)	102 (62.6)	7,639 (64.9)	43 (57.3)	2,108 (59.7)	38 (63.3)	2,189 (59.7)	15 (55.6)	753 (53.4)	35 (57.4)	803 (53.6)	430 (70.3)	10,026 (62.8)	175 (61.6)	10,631 (62.8)
	Class III	76 (14.9)	2,081 (18.8)	24 (14.7)	2,181 (18.5)	15 (20.0)	717 (20.3)	10 (16.7)	742 (20.3)	4 (14.8)	337 (24.0)	15 (24.6)	356 (23.8)	95 (15.5)	3,135 (19.6)	49 (17.3)	3,279 (19.4)
	Classes IV, V	62 (12.2)	1,844 (16.6)	37 (22.7)	1,943 (16.6)	17 (22.7)	705 (20.0)	12 (20.0)	734 (20.0)	8 (29.6)	319 (22.6)	11 (18.0)	338 (22.6)	87 (14.2)	2,868 (17.9)	60 (21.1)	3,015 (17.8)
	Totals	510 (100.0)	11,090 (100.0)	163 (100.0)	11,763 (100.0)	75 (100.0)	3,530 (100.0)	60 (100.0)	3,665 (100.0)	27 (100.0)	1,409 (100.0)	61 (100.0)	1,497 (100.0)	612 (100.0)	16,029 (100.0)	284 (100.0)	16,925 (100.0)
9 years	Classes I, II	297 (81.4)	6,990 (74.5)	37 (69.8)	7,324 (74.7)	5 (62.5)	1,394 (70.3)	9 (69.2)	1,408 (70.2)	5 (55.6)	695 (67.5)	12 (75.0)	712 (67.5)	307 (80.4)	9,079 (73.2)	58 (70.7)	9,444 (73.5)
	Class III	28 (7.7)	1,160 (12.4)	6 (11.3)	1,194 (12.2)	1 (12.5)	306 (15.4)	4 (30.8)	311 (15.5)	1 (11.1)	167 (16.2)	3 (18.75)	171 (16.2)	30 (7.8)	1,633 (13.2)	13 (15.8)	1,676 (13.2)
	Classes IV, V	40 (10.9)	1,230 (13.1)	10 (18.9)	1,280 (13.1)	2 (25.0)	284 (14.3)	—	286 (14.3)	3 (33.3)	168 (16.3)	1 (6.25)	172 (16.3)	45 (11.8)	1,682 (13.6)	11 (13.5)	1,738 (13.5)
	Totals	365 (100.0)	9,380 (100.0)	53 (100.0)	9,798 (100.0)	8 (100.0)	1,984 (100.0)	13 (100.0)	2,005 (100.0)	9 (100.0)	1,030 (100.0)	16 (100.0)	1,055 (100.0)	382 (100.0)	12,394 (100.0)	82 (100.0)	12,858 (100.0)
13 years	Classes I, II	482 (77.5)	9,150 (80.2)	17 (73.9)	9,649 (80.0)	15 (71.4)	1,620 (77.9)	3 (50.0)	1,638 (77.4)	8 (80.0)	880 (75.3)	4 (80.0)	892 (75.4)	505 (77.3)	11,650 (79.5)	24 (70.6)	12,179 (79.4)
	Class III	69 (11.1)	1,069 (9.4)	4 (17.4)	1,142 (9.5)	4 (19.1)	223 (10.7)	3 (50.0)	230 (10.9)	2 (20.0)	149 (12.8)	1 (20.0)	152 (12.9)	75 (11.5)	1,441 (9.8)	8 (23.5)	1,524 (9.9)
	Classes IV, V	71 (11.4)	1,190 (10.4)	2 (8.7)	1,263 (10.5)	2 (9.5)	237 (11.4)	—	239 (11.3)	—	139 (11.9)	—	139 (11.7)	73 (11.2)	1,566 (10.7)	2 (5.9)	1,641 (10.7)
	Totals	622 (100.0)	11,409 (100.0)	23 (100.0)	12,054 (100.0)	21 (100.0)	2,080 (100.0)	6 (100.0)	2,107 (100.0)	10 (100.0)	1,168 (100.0)	5 (100.0)	1,183 (100.0)	653 (100.0)	14,657 (100.0)	34 (100.0)	15,344 (100.0)
5 years	Classes I, II	1,151 (76.8)	23,305 (73.1)	156 (65.3)	24,612 (72.2)	63 (60.6)	5,122 (67.5)	50 (63.3)	5,235 (67.3)	28 (60.9)	2,328 (64.5)	51 (62.5)	2,407 (64.4)	1,242 (75.4)	30,755 (71.4)	257 (64.25)	32,254 (71.5)
	Class III	173 (13.6)	4,310 (13.5)	34 (14.2)	4,517 (13.6)	20 (19.2)	1,246 (16.4)	17 (21.5)	1,283 (16.5)	7 (15.2)	653 (18.2)	19 (23.2)	679 (18.2)	200 (12.1)	6,209 (14.4)	70 (17.5)	6,479 (14.3)
	Classes IV, V	173 (13.6)	4,264 (13.4)	49 (20.5)	4,486 (13.4)	21 (20.2)	1,226 (16.1)	12 (15.2)	1,239 (16.2)	11 (23.9)	626 (17.4)	12 (14.6)	649 (17.4)	205 (12.5)	6,116 (14.2)	73 (18.25)	6,394 (14.2)
	Totals	1,497 (100.0)	31,879 (100.0)	239 (100.0)	33,615 (100.0)	104 (100.0)	7,594 (100.0)	79 (100.0)	7,777 (100.0)	46 (100.0)	3,607 (100.0)	82 (100.0)	3,735 (100.0)	1,647 (100.0)	43,080 (100.0)	400 (100.0)	45,127 (100.0)

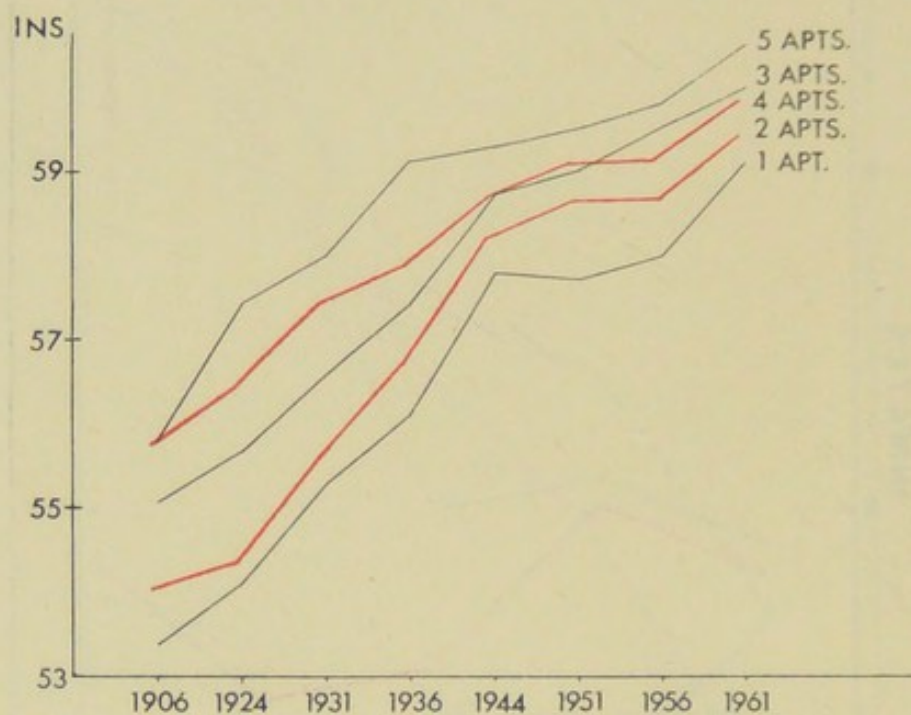
**APPENDIX XV.—Fig. 1 (from Table A.2).—COMPARATIVE PERCENTAGES OF CHILDREN IN ALL SCHOOLS AND CLASSES DRAWN FROM HOUSES OF THE NUMBER OF APARTMENTS SHOWN.**



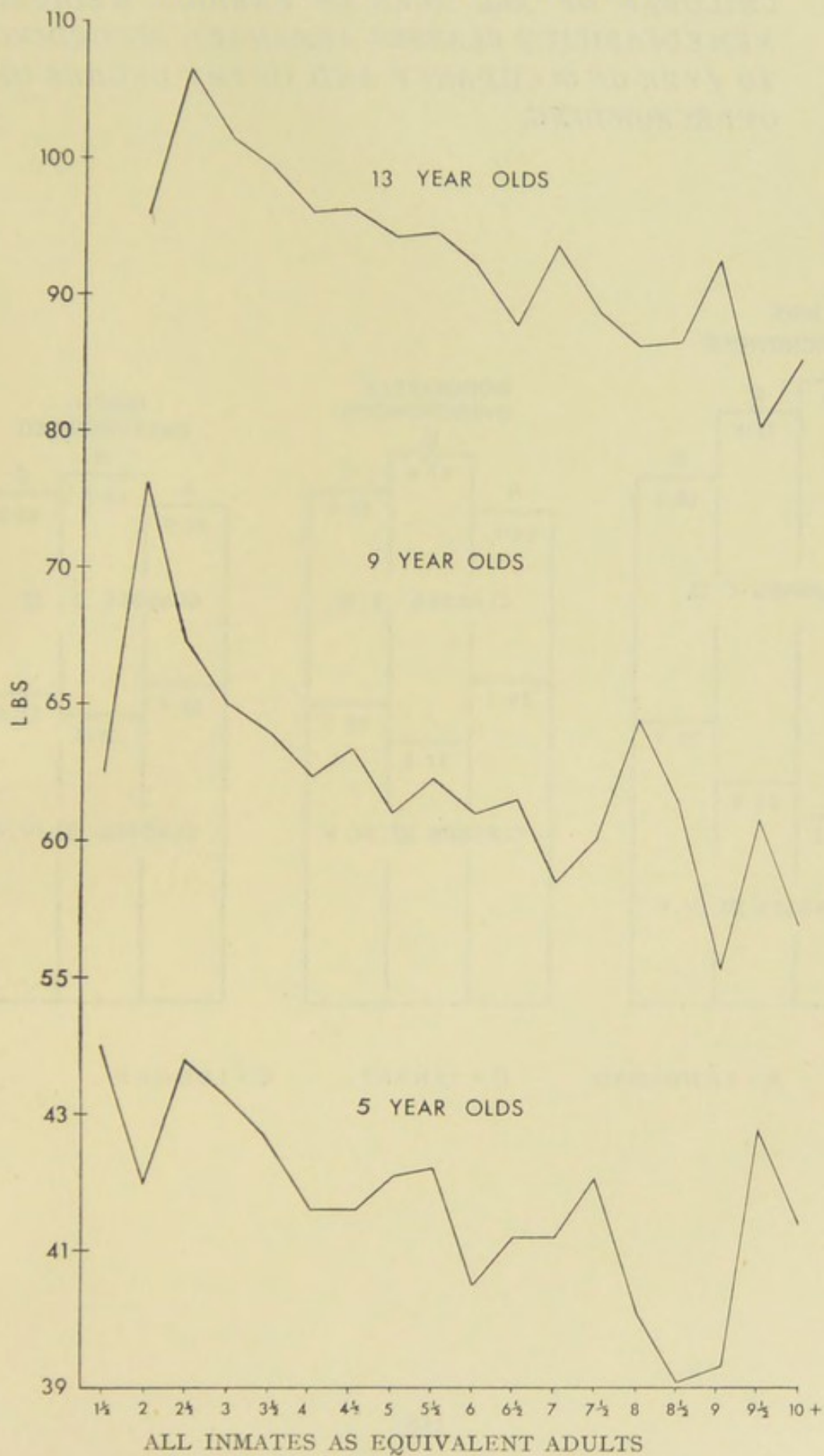
**APPENDIX XV.—Fig. 2 (From Table A.4.)—AVERAGE NUMBER OF ALL INMATES ARRANGED ACCORDING TO TYPE OF OCCUPANCY AND NUMBER OF APARTMENTS.**



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

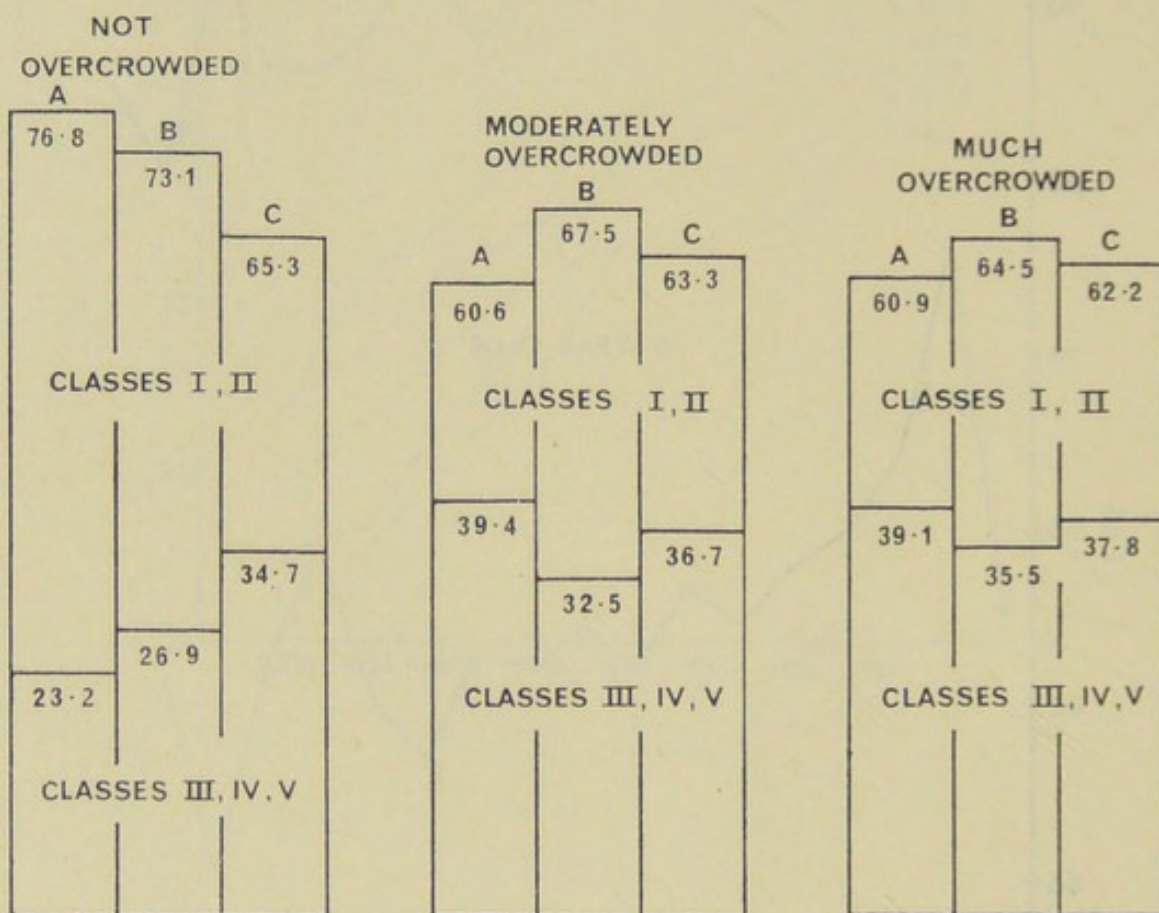


**APPENDIX XV.—Fig. 4 (From Table B.3).—AVERAGE WEIGHTS OF BOYS IN TWO-APARTMENT HOUSES ARRANGED ACCORDING TO INMATES OF ALL AGES.**





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

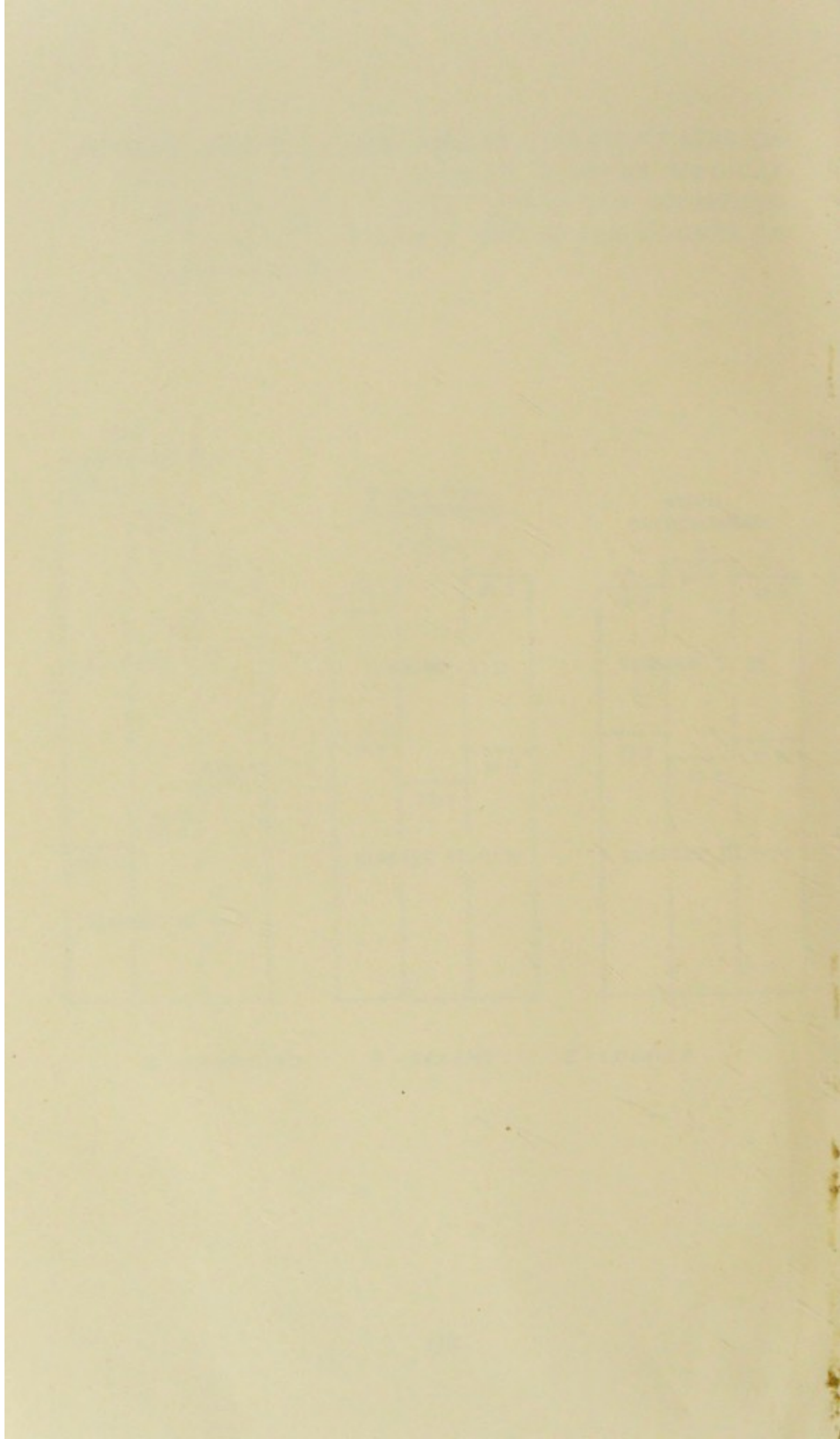


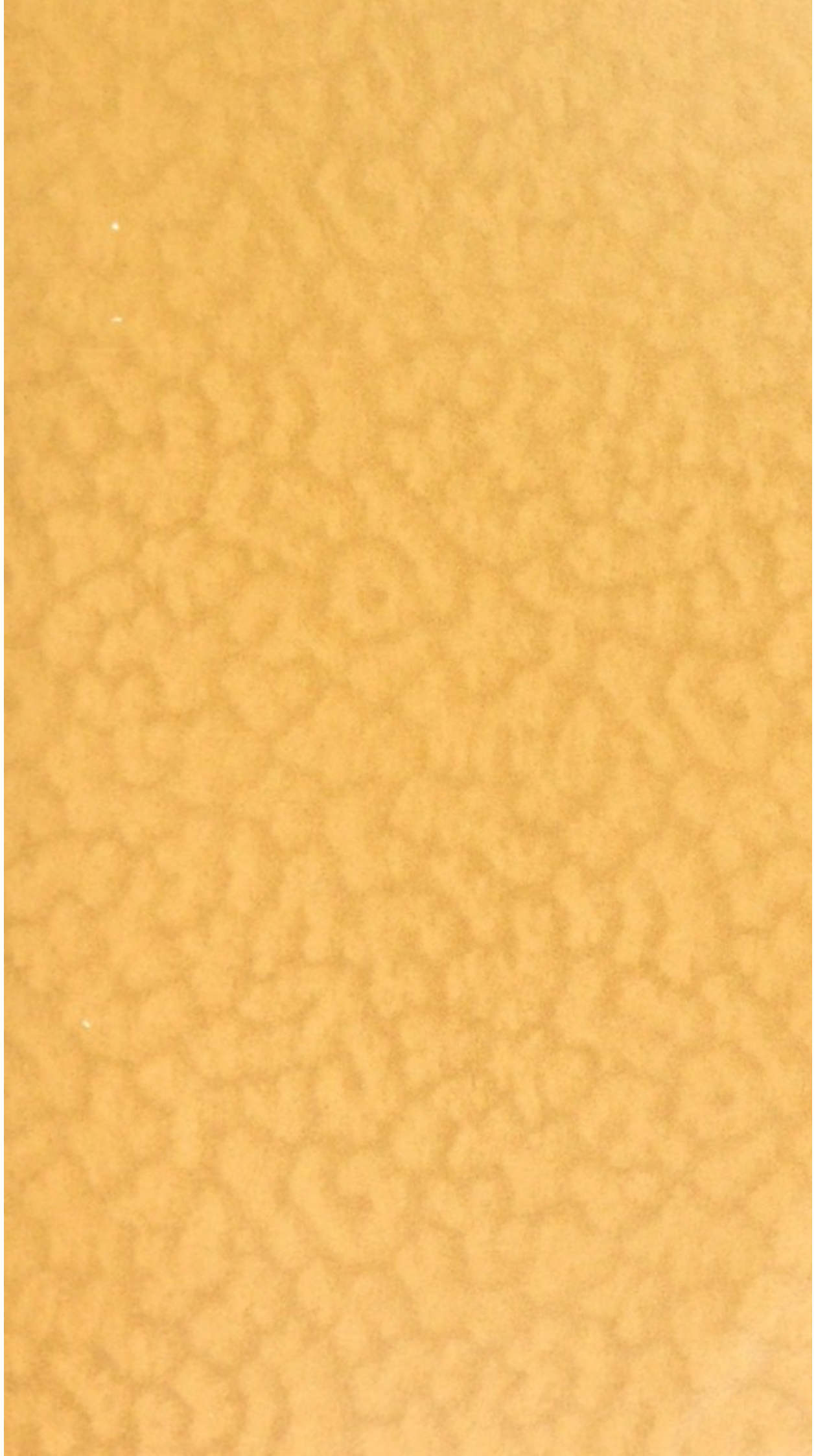
A = LANDLORD

B = TENANT

C = LODGER







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