

Contents

LIST OF TABLES	xii
LIST OF FIGURES	xvii
CHILD HEALTH AND EDUCATION STUDY	xxxii
1 Introduction	1
JEAN GOLDING & N. R. BUTLER	
<i>Historical Background</i>	1
<i>The 1970 Cohort</i>	4
<i>Tracing the children</i>	5
<i>Administering the questionnaires</i>	6
<i>Case ascertainment</i>	6
<i>The Present Report</i>	7
2 The children and their families	12
JEAN GOLDING & JANE HENRIQUES	
<i>Introduction</i>	12
<i>Mother and Father Figures</i>	13
<i>The Age of the Mother</i>	14
<i>Social Class</i>	16
<i>Ethnic Group of the Parents</i>	17
<i>Numbers of Children in the Family</i>	18
<i>Maternal Employment During the Child's Life</i>	19
<i>Discussion</i>	21
<i>Conclusions</i>	21
3 The children and their physical environment	24
JEAN GOLDING	
<i>Introduction</i>	24
<i>Housing</i>	24
<i>Type of Neighbourhood</i>	25
<i>Urban-rural differences</i>	25
<i>Trends within urban areas</i>	27
<i>Household Moves</i>	30
<i>Parental Smoking</i>	34
<i>Region</i>	39
<i>Conclusions</i>	44

4 The first months 46

JEAN GOLDING & N. R. BUTLER

<i>Introduction</i>	46
<i>Low Birthweight</i>	46
<i>Breast Feeding</i>	51
<i>Maternal Recall of Problems</i>	56
<i>Conclusions</i>	62

5 Soiling and wetting 64

JEAN GOLDING & G. TISSIER

<i>Introduction</i>	64
<i>Soiling</i>	64
<i>Daytime Wetting</i>	67
<i>Bed-wetting</i>	70
<i>Discussion</i>	76
<i>Conclusions</i>	79

6 Feeding and sleeping problems 80

JEAN GOLDING

<i>Introduction</i>	80
<i>Sleeping Problems in the Present Study</i>	80
<i>Feeding Problems in the Present Study</i>	86
<i>Other Health and Behaviour Problems</i>	95
<i>Conclusions</i>	97

7 Temper tantrums and other behaviour problems 98

JEAN GOLDING & D. RUSH

<i>Introduction</i>	98
<i>Temper Tantrums</i>	98
<i>Parental factors</i>	99
<i>The environment</i>	101
<i>Birthweight and breast feeding</i>	102
<i>Inter-relationships</i>	103
<i>Wetting, soiling, feeding, sleeping and infant problems</i>	103
<i>Other Behaviour Problems</i>	104
<i>Sex differences</i>	108
<i>Social class differences</i>	108
<i>Relationship with temper tantrums</i>	108
<i>Discussion</i>	109
<i>Conclusions</i>	112

8 Disorder of speech and language 113

MARY PATERSON & JEAN GOLDING

<i>Introduction</i>	113
<i>Dysfluency</i>	113
<i>Speech and Language Disorders</i>	118
<i>Severe speech problems</i>	118
<i>Mild speech problems</i>	118
<i>The epidemiological associations found with speech problems</i>	120

<i>Speech Therapy</i>	120
<i>Hearing Difficulty and Speech Problems</i>	124
<i>Behaviour Problems</i>	126
<i>Conclusions</i>	129

9 Headaches and stomach aches 130

JEAN GOLDING & N. R. BUTLER

<i>Headaches</i>	130
<i>Stomach Aches</i>	131
<i>Behaviour Problems</i>	137
<i>Discussion</i>	140
<i>Conclusions</i>	140

10 Accidents 141

JEAN GOLDING

<i>Introduction</i>	141
<i>Case Ascertainment Among Children Followed Up at 5</i>	143
<i>Residual Handicaps Due to Accidental Injury</i>	143
<i>Age Differences</i>	143
<i>Accident Repeaters</i>	144
<i>Sex differences</i>	144
<i>Variations in family characteristics</i>	146
<i>Variation with the environment</i>	149
<i>Inter-relationships</i>	150
<i>The child</i>	152
<i>Non-accidental Injury</i>	154
<i>Discussion</i>	155
<i>Conclusions</i>	156

11 Wheezing and asthma 158

JEAN GOLDING & N. R. BUTLER

<i>Introduction</i>	158
<i>Case Ascertainment</i>	158
<i>Age at First Attack</i>	159
<i>Sex, Birthweight and Breast Feeding</i>	160
<i>The Environment</i>	162
<i>The Parents and Siblings</i>	163
<i>Inter-relationships</i>	164
<i>Family Medical History</i>	164
<i>The Child's Behaviour</i>	164
<i>Discussion</i>	168
<i>Conclusions</i>	170

12 Eczema and hay fever 171

JEAN GOLDING & TIM PETERS

<i>Introduction</i>	171
<i>Prevalence</i>	172
<i>Epidemiological Associations with Eczema</i>	173
<i>Inter-relationships</i>	176
<i>Epidemiological Associations with Hay Fever</i>	176

<i>Children in the Household</i>	179
<i>Familial Associations</i>	180
<i>Behaviour and Other Conditions</i>	181
<i>Discussion</i>	183
<i>Conclusions</i>	186

13 Squints and vision defects 187

JEAN GOLDING & N. R. BUTLER

<i>Squint</i>	187
<i>Vision Problems Other than Squint</i>	191
<i>Health and Behaviour of the Children</i>	194
<i>Prescription of Glasses</i>	195
<i>Discussion</i>	200
<i>Conclusions</i>	200

14 Bronchitis and pneumonia 201

JEAN GOLDING

<i>Introduction</i>	201
<i>Prevalence</i>	201
<i>Birthweight and Breast Feeding</i>	202
<i>Parents and Siblings</i>	202
<i>The Physical Environment</i>	207
<i>Inter-dependence</i>	208
<i>Other Problems</i>	209
<i>Discussion</i>	211
<i>Conclusions</i>	214

15 Sore throats, ear discharge and mouth breathing 215

JEAN GOLDING & N. R. BUTLER

<i>Sore Throats</i>	215
<i>Purulent Ear Discharge</i>	215
<i>Mouth Breathing</i>	216
<i>Sex differences</i>	217
<i>Birthweight and Breast Feeding</i>	217
<i>Parents and Siblings</i>	217
<i>The Physical Environment</i>	221
<i>Inter-relationships</i>	222
<i>Other Attributes of the Children</i>	225
<i>Conclusions</i>	225

16 Hearing disorders 230

JEAN GOLDING & N. R. BUTLER

<i>Introduction</i>	230
<i>Prevalence</i>	231
<i>Sex, Birthweight and Breast Feeding</i>	231
<i>Parents and Siblings</i>	232
<i>The Physical Environment</i>	234
<i>Inter-relationships</i>	235
<i>Behaviour and Other Morbidity</i>	237
<i>Children Identified as Deaf</i>	237
<i>Conclusions</i>	239

17 Hospital admissions 242

JEAN GOLDING & MARY HASLUM

<i>Introduction</i>	242
<i>Number of Admissions</i>	242
<i>Inter-relationships</i>	247
<i>Behaviour Problems in Children Admitted to Hospital</i>	249
<i>Educational Attainment in Children Admitted to Hospital</i>	253
<i>Other Disorders</i>	254
<i>Conclusions</i>	254

18 Operations 255

JEAN GOLDING

<i>Introduction</i>	255
<i>Tonsillectomy and Adenoidectomy</i>	255
<i>Circumcision</i>	261
<i>Hernia Repair</i>	263
<i>Behaviour and Health Problems</i>	263
<i>Conclusions</i>	268

19 Use of the preventative health services 269

JEAN GOLDING & N. R. BUTLER

<i>Introduction</i>	269
<i>Previous Cohort Studies</i>	270
<i>The Present Study</i>	271
<i>Children Not Visited at Home in the First Six Months</i>	272
<i>Child Health Clinic Attendance</i>	276
<i>Birth Follow-up Clinic</i>	279
<i>Dental Health</i>	282
<i>The present study</i>	284
<i>The Health and Behaviour of the Children</i>	288
<i>Conclusions</i>	294

20 Immunisations 295

JEAN GOLDING

<i>Introduction</i>	295
<i>The Present Study</i>	295
<i>Pertussis Immunisation</i>	297
<i>Measles Immunisation</i>	306
<i>BCG Immunisation</i>	314
<i>Discussion</i>	317
<i>Conclusions</i>	319

21 The End of the Beginning 320

JEAN GOLDING & N. R. BUTLER

<i>Influence of Sex</i>	320
<i>Low Birthweight</i>	323

<i>Breast Feeding</i>	325
<i>Age of the Mother</i>	328
<i>Size of Family</i>	330
<i>Social Class</i>	333
<i>Parental Situation</i>	335
<i>Ethnic Group of Parents</i>	337
<i>Maternal Employment</i>	340
<i>Type of Neighbourhood</i>	340
<i>Region</i>	342
<i>North of England</i>	342
<i>Yorkshire and Humberside</i>	343
<i>North-West</i>	343
<i>East Midlands</i>	343
<i>West Midlands</i>	343
<i>East Anglia</i>	344
<i>South-East</i>	344
<i>South-West</i>	344
<i>Wales</i>	345
<i>Scotland</i>	345
<i>Household Moves</i>	346
<i>Parental Smoking</i>	348

22 The way ahead 352

EDITORS	353
STATISTICAL APPENDIX	353
STATISTICAL PRESENTATION	356
GLOSSARY	359
REFERENCES	263
HOME INTERVIEW QUESTIONNAIRE	379
MATERNAL SELF-COMPLETION QUESTIONNAIRE	399
INDEX	407