

ScotCen

Social Research that works for society

Growing Up in Scotland



Topics, themes and standard
measures



Overview

- Study content
- Useful indicators and outcome measures
- Key analysis variables
- Administrative data



Study content

1.



Sources of information

10mths

BC1 &
BC2

Age 2

BC1

Age 3

CC, BC1,
BC2

Age 4

CC & BC1

Age 5

CC, BC1,
BC2

Age 6

BC1

Age 8

BC1 (&
BC2?)

P6

BC1 (&
BC2?)

Main carer

Main carer

Main carer

Main carer

Main carer

Main carer

Main carer

Main carer

Partner

Interviews

Child

Child

Ch. height
& weight

Ch. height
& weight

Ch. height
& weight

Ch. height
& weight

Ch. height
& weight

Cognitive
assessmts

Cognitive
assessmts

Cognitive
assessmts

Health
records

Health
records

Health
records

Health
records

Health
records

Health
records

Health
records

Health
records

Pre-School
details

Pre-School
details

School
records

School
records

School
records

School
records

Obj.
assessment

Linked admin

Main interview: core topics

- Household composition and family demographics
- Non-resident parents
- Parental support
- Parenting
- Childcare
- Child health and development
- Activities
- Education and employment
- Income and benefits
- Housing and accommodation



Parental support

- Grandparents
- Accessing and satisfaction with formal support
- Attitudes to formal support
- First port of call in emergency
- Ease of arranging ad hoc childcare
- Parenting classes
- Sources used for info on child health and behaviour



Parenting

- Discipline
- Risk and supervision
- Rules and routines
- Home 'chaos'
- Parent-child relationship



Activities

- Home-learning activities
- Physical activity
- Use and mediation of television, computers, gaming and other media/technology
- Clubs, groups and other 'out of school' activities
- Parental physical activity
- Visits to places and events
- Social activities



Main interview: other topics

- Pre-school
- Primary school
- Pregnancy and birth
- Parental health and well-being
- Material deprivation
- Food and eating
- Neighbourhood and community
- Housing and transport
- Social networks and social capital



GUS questionnaire topic matrix

- Excel document summarising broad topic content by cohort and sweep.
- Available to download from the study website:
<http://growingupinScotland.org.uk/using-gus-data/>



Partner interview

- Conducted at sweep 2
- 20 minute interview with any resident partner of the main respondent
- Content included:
 - Factual demographic and socio-economic information
 - e.g. employment, earnings, education
 - Views/attitudes
 - e.g. readiness for primary school, work-life balance, couple relationship, importance of different activities, discipline



Child interview

- Funded by Education Scotland and MRC SPHSU
- Undertaken at sweep 7 when children were aged (just under) 8 years old
- 15 minute audio-CASI, included as parallel block in main interview
- Topics included:
 - Friends, wellbeing, parenting, school, materialism



Useful indicators and outcome measures

2.



Overview

1. Cognitive development and ability
2. Social development and behaviour
3. Health and physical development



Cognitive development and ability

Instrument name	Outcome area being measured
Communication milestones	Existence/practice of communicative gestures in child
Whether child can be understood	Whether child's speech can be understood
Concerns about speech and language development	Parental concerns about speech and language
Communication and Symbolic Behaviour Scales - Infant/Toddler Checklist	Development of communication
British Ability Scales	Problem solving and expressive language ability

CSBS

- Evaluation tool that helps to determine communicative competence
- Measures 7 language predictors
 - Emotion and Eye Gaze
 - Communication
 - Gestures
 - Sounds
 - Words
 - Understanding
 - Object Use
- Used with BC1 at 22 months, and with BC2 at 10 months



Cognitive assessments

- Two assessments taken from the British Ability Scales Second and Third Editions (BAS II/BAS III)
- Picture Similarities
 - Child shown a row of 4 pictures and given card with 5th picture. Child has to match the image on the card with the correct image of the 4 displayed
- Naming vocabulary
 - Child shown a picture of an item and asked to say the item's name
- Assessments undertaken with BC1 and BC2 at 34 months and 58 months
- Range of variables produced giving various scores
- Useful doc: Connelly, R. (2013) 'Interpreting Test Scores', Millenium Cohort Study Data Note (available online from Centre for Longitudinal Studies library)



Social, emotional and behavioural measures

Instrument name	Outcome area being measured
Strengths and Difficulties Questionnaire	Hyperactivity; Emotional problems; Conduct problems; Peer problems; Pro-social behaviour
Parent-child attachment	Negative feelings about parenting
Problems managing child's behaviour and relationships	Peer and sibling relationships
Pianta child-parent relationship scale	Child-parent relationship
Interviewer observations	Parent-child interactions
Interviewer observations	Child temperament – positive and negative affect

Strengths and Difficulties Questionnaire (SDQ)

- 25 item, self-complete questionnaire, comprised of five domains/sub-scales covering:
 - Emotional Symptoms
 - Conduct Problems
 - Hyperactivity/inattention
 - Peer relationship problems
 - Prosocial behaviour
- These can be considered individually or the first four combined to create a 'total difficulties' score
- Variables for individual items, derived domain scores and total difficulties score all available on the dataset



Infant-maternal attachment

- **Items from the** Condon Maternal Attachment Scale (Condon and Corkindale, 1998)
- Four used for BC2, Six for BC1
- Focus on negative feelings about parenting related to incompetence, resentment, annoyance and impatience.
- For example:
 - “When thinking about the things I have had to give up because of [the child]...
 - ...I find that I resent or mind it a lot
 - ...a fair amount
 - ...a bit
 - ...I don't resent or mind it at all

Parent-child relationship (PIANTA)

- Full scale (Pianta, 1992) addresses three dimensions of parent-child relationship:
 - Warmth
 - Conflict
 - Dependency
- GUS includes subset of 15 items to measure 'warmth' and 'conflict'
- First used in sweep 5 with BC1

Physical health & development

Instrument name/outcome being measured
General health
Short-term illness
Long-standing illness or disability
Accidents and injuries
Child height & weight/ Body Mass Index
Developmental milestones
Physical activity

Developmental milestones

- Selected items from Denver Developmental Screening Test
- Measures developmental progress from birth to age 6
- GUS measured at two time points:
 - 10 months
 - 22 months
- Full instrument includes 125 items, GUS used between 7-10
- Items differ at each age point
- Items include:
 - Can child balance on one foot for at least 4 seconds?
 - Can child hop at least twice on one foot?
 - Can child throw a ball?

Harmonised Questions

- Ethnicity
- Religion
- Education

Key analysis variables

- Individual level (parent or child)
 - e.g. age of mother at birth, educational qualifications, ethnicity, religion, employment status, social class
- Household level
 - e.g. family type, household composition, household income, housing tenure
- Area level
 - Urban/rural characteristics, area deprivation, health board area

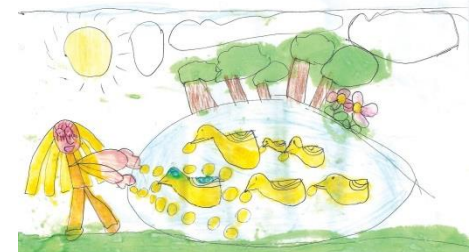
Administrative data

3.



Administrative data - overview

- Three sets of administrative data which have been (or are in the process of being) linked to the survey dataset
 - Health data
 - Pre-school information
 - School data



Health records

SMR02

Maternity info

e.g.

- Booking in date
- Height/Weight of Mother
- Substance use during pregnancy
- Birth weight

SMR00/01

Hospital admissions

e.g.

- Department
- Main illness
- Operation info

SIRS

Immunisations

e.g.

- Immunisations received
- Whether received full course

CHSP

Pre-school and School checks

e.g.

- Health visitor reports/ examinations – development indicators, parent concerns

Retrospective and prospective – from birth to end Primary School

Pre-school records

Pre-school type and roll: e.g. funding (LA, partnership etc), number of children (total, and with ASN)

Staff: e.g. no. FTE equivalent, qualifications

Quality ratings (from SCSWIS inspections)

School records

Consent obtained for **3634 children** – 95% of those asked



3534 cases sent to ScotXEd for matching (sw6 consented only)



Matching run against 2009 and 2010 pupil census datasets
3365 cases (95%) successfully matched



3034 (90%) matched on all 4 variables
268 (8%) matched on DoB, sex and school ID (home movers)
63 (2%) matched on DoB, sex and home postcode (school movers)