Guiding Principles for Archiving Metadata

Will Poynter | Jennifer Spiegel

CLOSER Project
Institute of Education
http://williampoynter.co.uk/eddi
The CLOSER Project

“CLOSER’s mission is to maximise the use, value and impact of the UK’s longitudinal studies, both at home and abroad.”

- Metadata Discovery Platform (MDP)
  - Publicly available
  - Metadata discovery
  - Cross-study
  - Longitudinal
How much work?

<table>
<thead>
<tr>
<th>Study</th>
<th>Questionnaires</th>
<th>Questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALSPAC</td>
<td>143</td>
<td>30033</td>
</tr>
<tr>
<td>BCS</td>
<td>44</td>
<td>18235</td>
</tr>
<tr>
<td>HCS</td>
<td>20</td>
<td>900</td>
</tr>
<tr>
<td>MCS</td>
<td>17</td>
<td>16400</td>
</tr>
<tr>
<td>NCDS</td>
<td>38</td>
<td>10246</td>
</tr>
<tr>
<td>NSHD</td>
<td>87</td>
<td>19419</td>
</tr>
<tr>
<td>SWS</td>
<td>18</td>
<td>1362</td>
</tr>
<tr>
<td>US</td>
<td>12</td>
<td>8334</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>379</strong></td>
<td><strong>104929</strong></td>
</tr>
</tbody>
</table>

Spanning: >80 years
How much work?

• Paper questionnaires
• CAPI & CATI
• Web-based survey
• Biomedical
• Cognitive Tests

Diverse!
What are we using?

• DDI-Lifecycle - obviously!
  • 3.2
  • Questionnaire Profile

• CA**DDIES**  [CLS Abridged DDI Editor for Surveys]
  • Metadata entry & viewing GUI
  • Web-based
  • Developed in-house
  • Open source (alpha state)
The Principles

• Maintain and do not alter the semantic meaning of the questionnaire

• Do not correct the questionnaire

• Only record what is contained within the questionnaire

• Do not allow the data recorded (i.e. the variables) to inform the metadata archiving
8 Does the mother care for children at home (including adopted and foster children)?

Yes ................................................................. 1
No ........................................................................... 2
Not known .......................................................... 0

qc_8
Does the mother care for children at home (including adopted and foster children)?

- 1 Yes
- 2 No
- 0 Not known
Which party did you vote for in the General Election in May 2005?

CROSS (X) ONE BOX

- Conservative
- Labour
- Liberal Democrats
- Plaid Cymru
- Scottish National Party
- Green Party
- UK Independence Party
- Other (please write in box)
- DID NOT VOTE

Text
Cl. Has your baby **ever** had the following:

<table>
<thead>
<tr>
<th></th>
<th>Age started</th>
<th>How often nowadays</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Put 0 if less</td>
<td>(Put 66 if she has</td>
</tr>
<tr>
<td></td>
<td>than 1 month)</td>
<td>this milk all the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>time now)</td>
</tr>
<tr>
<td></td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>a) bottle of ordinary baby milk (formula)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>b) powdered follow-on milk</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>c) soya milk</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>d) goat's milk</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>e) hypo-allergenic formula</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>f) ordinary cow's milk</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>
Has your baby ever had the following:

<table>
<thead>
<tr>
<th></th>
<th>Age started (Put 0 if less than 1 month) ... months</th>
<th>How often nowadays (Put 66 if she has this milk all the time now) ... times a week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-No 2-Yes</td>
<td>Integer</td>
<td>Integer</td>
</tr>
<tr>
<td>bottle of ordinary baby milk (formula)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>powdered follow-on milk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>soya milk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>goat's milk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hypo-allergenic formula</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ordinary cow's milk</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
A5. a) Since your study child was 3 years old have you had to go and stay in hospital?

Yes [ ] No [ ]

If no, go to A6 below

If yes, how many times? [ ] [ ]

qc_A5_a
Since your study child was 3 years old have you had to go and stay in hospital?

1 Yes
2 No

If no, go to A6 below

If yes, [qc_A5_a == 1]

eff-true branch:

qc_A5_b
how many times?

Integer (0 to ~)
G6. Does your study child attend nursery/playgroup/child-minder?

Yes 1  No 2  If no, go to G8a below

G7. When your child is unwell, do you:

a) Let him/her go to nursery/playgroup/child-minder

<table>
<thead>
<tr>
<th>Always</th>
<th>Usually</th>
<th>Sometimes</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>
ii) how often does the natural mother see the study child?

   not at all  
   less than once a month
   about once a month  
   about once a fortnight
   once or twice a week
   nearly every day

   child’s mother is dead

iii) does she help support the child financially?

   yes, on a regular basis
   yes, occasionally
   no
qc_D4_b_ii

how often does the natural father see the study child?

- 1 not at all
- 2 less than once a month
- 3 about once a month
- 4 about once a fortnight
- 5 once or twice a week
- 6 nearly every day
- 7 child’s father is dead

If child’s father is dead to question D4bii Go to D4 on page 29 [qc_D4_b_ii == 7]

  - if-true branch:
    ...
  - else branch:

qc_D4_b_iii

does he help support the child financially?

- 1 yes, on a regular basis
- 2 yes, occasionally
- 3 no
b) **If no, or no partner:**

Does this older child have (please tick):

1. you as the natural mother (but his/her natural father is not present) → answer (c) below and then go to (e)

2. your partner as the natural father (but his/her natural mother not present) → answer (d) on page 37 and then go to (e)

3. neither of his/her natural parents present → answer (c), (d) and (e)
If no, or no partner:

- if-true branch:

  qc_D15_b
  Does this older child have (please tick):

  - 1 you as the natural mother (but his/her natural father is not present)
  - 2 your partner as the natural father (but his/her natural mother not present)
  - 3 neither of his/her natural parents present

If you as the natural mother (but his/her natural father is not present) to question D15b or neither of his/her natural parents present to question D15b

- if-true branch:

  qc_D15_c
  How often do you or your partner talk to the child's natural father about this older child?

  - 1 once a month or more
  - 2 less than once a month
  - 3 once a year or less
  - 4 never
  - 9 don't know
  - 7 natural father is dead

If your partner as the natural father (but his/her natural mother not present) to question D15b or neither of his/her natural parents present to question D15b

- if-true branch:

  qc_D15_d
  How often do you or your partner talk to this older child's natural mother about the child?

  - 1 once a month or more
  - 2 less than once a month
  - 3 once a year or less
  - 4 never
  - 9 don't know
  - 7 natural mother is dead

qc_D15_e
Are your relations with this older child's other parent(s):

  - 1 generally warm and friendly
  - 2 sometimes friendly
  - 3 polite
  - 4 distant
  - 5 usually unfriendly
  - 6 no relationship
  - 7 child's other parent is dead
28 Delivery

Spontaneous cephalic
  anterior ........................................ 1
  posterior ...................................... 2
Spontaneous breech .......................... 3
Operative delivery
  Forceps
    Cephalic .................................... 4
    With Breech .................................. 5
    Other (specify) .............................. 6
  Caesarean Section ........................... 7
  Vacuum Extraction .......................... 8
  Other (specify) .............................. 9
  Other (specify) .............................. 0

29 Relief of pain during labour

Analgesics
  Inhalation
    Gas/Oxygen .................................. 1
    Gas/Air ..................................... 2
    Trilene .................................... 3
  Drugs
    Pethidine .................................. 1
    Pethilorfan ................................. 2
    Morphia ..................................... 3
    Fortral .................................... 4
  Psychoprophylaxis .......................... 1
  Hypnosis .................................... 2
  Decompression ............................. 3
  Other (specify) ............................ 4

qc_28

Delivery

- 1 Spontaneous cephalic: anterior
- 2 Spontaneous cephalic: posterior
- 3 Spontaneous breech
- 4 Operative delivery: Forceps: Cephalic
- 5 Operative delivery: Forceps: With Breech
- 6 Operative delivery: Forceps: Other (specify)
- 7 Operative delivery: Caesarean Section
- 8 Operative delivery: Vacuum Extraction
- 9 Operative delivery: Other (specify)
  0 Other (specify)

qc_29_i

Relief of pain during labour

- 1 Analgesics: Inhalation: Gas/Oxygen
- 2 Analgesics: Inhalation: Gas/Air
- 3 Analgesics: Inhalation: Trilene
- 1 Analgesics: Drugs: Pethidine
- 2 Analgesics: Drugs: Pethilorfan
- 3 Analgesics: Drugs: Morphia
- 4 Analgesics: Drugs: Fortral

  1 Psychoprophylaxis
  2 Hypnosis
  3 Decompression
  4 Other (specify)
H21. Next are some words that indicate that something happened in the past; please mark in each column which he says and/or understands.

<table>
<thead>
<tr>
<th></th>
<th>(i) Yes, he says</th>
<th>(ii) Yes, he understands</th>
</tr>
</thead>
<tbody>
<tr>
<td>f)</td>
<td>ate</td>
<td>1</td>
</tr>
<tr>
<td>g)</td>
<td>blew</td>
<td>1</td>
</tr>
<tr>
<td>r)</td>
<td>held</td>
<td>1</td>
</tr>
<tr>
<td>s)</td>
<td>lost</td>
<td>1</td>
</tr>
<tr>
<td>t)</td>
<td>made</td>
<td>1</td>
</tr>
<tr>
<td>u)</td>
<td>ran</td>
<td>1</td>
</tr>
<tr>
<td>v)</td>
<td>sat</td>
<td>1</td>
</tr>
<tr>
<td>w)</td>
<td>saw</td>
<td>1</td>
</tr>
<tr>
<td>x)</td>
<td>took</td>
<td>1</td>
</tr>
<tr>
<td>y)</td>
<td>went</td>
<td>1</td>
</tr>
</tbody>
</table>
Next are some words that indicate that something happened in the past; please mark in each column which he says and/or understands.

<table>
<thead>
<tr>
<th>Yes, he says</th>
<th>Yes, he understands</th>
</tr>
</thead>
<tbody>
<tr>
<td>ate</td>
<td>1-Yes</td>
</tr>
<tr>
<td>blew</td>
<td></td>
</tr>
<tr>
<td>bought</td>
<td></td>
</tr>
<tr>
<td>broke</td>
<td></td>
</tr>
<tr>
<td>came</td>
<td></td>
</tr>
<tr>
<td>drank</td>
<td></td>
</tr>
<tr>
<td>drove</td>
<td></td>
</tr>
<tr>
<td>fell</td>
<td></td>
</tr>
<tr>
<td>flew</td>
<td></td>
</tr>
<tr>
<td>got</td>
<td></td>
</tr>
<tr>
<td>had</td>
<td></td>
</tr>
<tr>
<td>heard</td>
<td></td>
</tr>
<tr>
<td>held</td>
<td></td>
</tr>
<tr>
<td>lost</td>
<td></td>
</tr>
<tr>
<td>made</td>
<td></td>
</tr>
<tr>
<td>ran</td>
<td></td>
</tr>
<tr>
<td>sat</td>
<td></td>
</tr>
<tr>
<td>saw</td>
<td></td>
</tr>
<tr>
<td>saw</td>
<td></td>
</tr>
<tr>
<td>took</td>
<td></td>
</tr>
<tr>
<td>went</td>
<td></td>
</tr>
</tbody>
</table>
The Principles

• Maintain and do not alter the semantic meaning of the questionnaire

• Do not correct the questionnaire

• Only record what is contained within the questionnaire

• Do not allow the data recorded (i.e. the variables) to inform the metadata archiving
What does this all mean?

• Standardised metadata

• An entry & verification manual (35 pages and counting)

• Further procedure development and real-world DDI testing
Thank you for listening

• Any questions?