



Healthcare: Oxford MDR

Steve Harris

annotation

USING METADATA

office plugins

- allow user access to knowledge resources at the point of need
 - excel: terminology and metadata elements
 - UML modelling: terminology, metadata elements and model fragments
 - infopath : terminology and metadata elements and document fragments

File

Home

Insert

Page Layout

Formulas

Data

Review

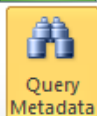
View

Developer

Oxford Metadata

Load Test

Team

Query
Metadata

Create CDE



Settings



Export XML



Submit Model

Metadata Services

A1

fx

	A	B	C	D	E	F	G	H	I
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

Query Metadata

Free Text Classification

Controls

caDSR-DataElement

Blood*

Query completed

Search

Results

Blood Vessel Clamped Time
 Blood Transfusion Timepoint Administered Type
 Blood Transfusion Autologous Indicator
 Blood Transfusion Autologous Unit Number
 Blood Transfusion Allogenic Indicator
 Blood Transfusion Allogenic Unit Number
 Blood Tissue Specimen Other Diseases and Disord
 Blood Tissue Specimen Other Diseases and Disord
Blood Test Type
 Blood Test Result Value Number
 Blood Test Response Text Type
 Blood Test Name

<

>

Use

Details

Definition Props/Values

The name of the blood test associated with a time point for the agent administration.

File

Home

Insert

Page Layout

Formulas

Data

Review

View

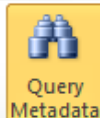
Developer

Oxford Metadata

Load Test

Team

Design



Query Metadata

- Create CDE
- Export XML
- Submit Model

Settings

Metadata Services

C3

fx

	A	B	C	D	E	F	G
1	Age	Gender	Blood Specimen Type				
2							
3							
4			PSA (total free)				
5			PSA (total)				
6			PSA (free)				
7			Testosterone				
8			Dihydrotestosterone				
9			Estrone				
10			Estradiol				
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

Query Metadata

Free Text Classification

Controls

caDSR-DataElement

Blood*Type*

Query completed

Search

Results

Blood Transfusion Timepoint Administered Type
 Blood Test Type
 Blood Test Response Text Type
 Blood Specimen Type
 Blood Specimen Submission Materials Required Ty
 Blood Specimen Collection Type
 Blood Specimen Collection Period Type
 Blood Pressure Instrument Type
 Blood in Stool Response Text Type
 Blood Collection Tube Type
 Blood Specimen Type

< >

Use

Details

Definition Props/Values

Code	Meaning
PSA (total, free)	PSA (total, fre
PSA (total)	PSA (total)
PSA (free)	PSA (free)
Testosterone	Testosterone

Ready

Sheet1

cde_list

Sheet2

Sheet3

100%

registering the design

Model Submission Form

Preferred Name: Test Model

Definition: This is a test model

Context: Default registry context

Annotation Name	Annotated Address
Age	Sheet1!\$A\$1:\$A\$21
Blood_Specimen_Type	Sheet1!\$C\$1:\$C\$21
Gender	Sheet1!\$B\$1:\$B\$21

I am: Steve Harris (Researcher, IDH)

Who is working for: Steve Harris (Researcher, IDH)

Submit Excel model on behalf of: Dr. Steve Harris (Oxford Comlab)

User name: admin

Password: ●●●●●●

Submit Cancel



CancerGrid Query Service

Free Text Classification

Controls

cgMDR-CG1

ecog

Query completed.

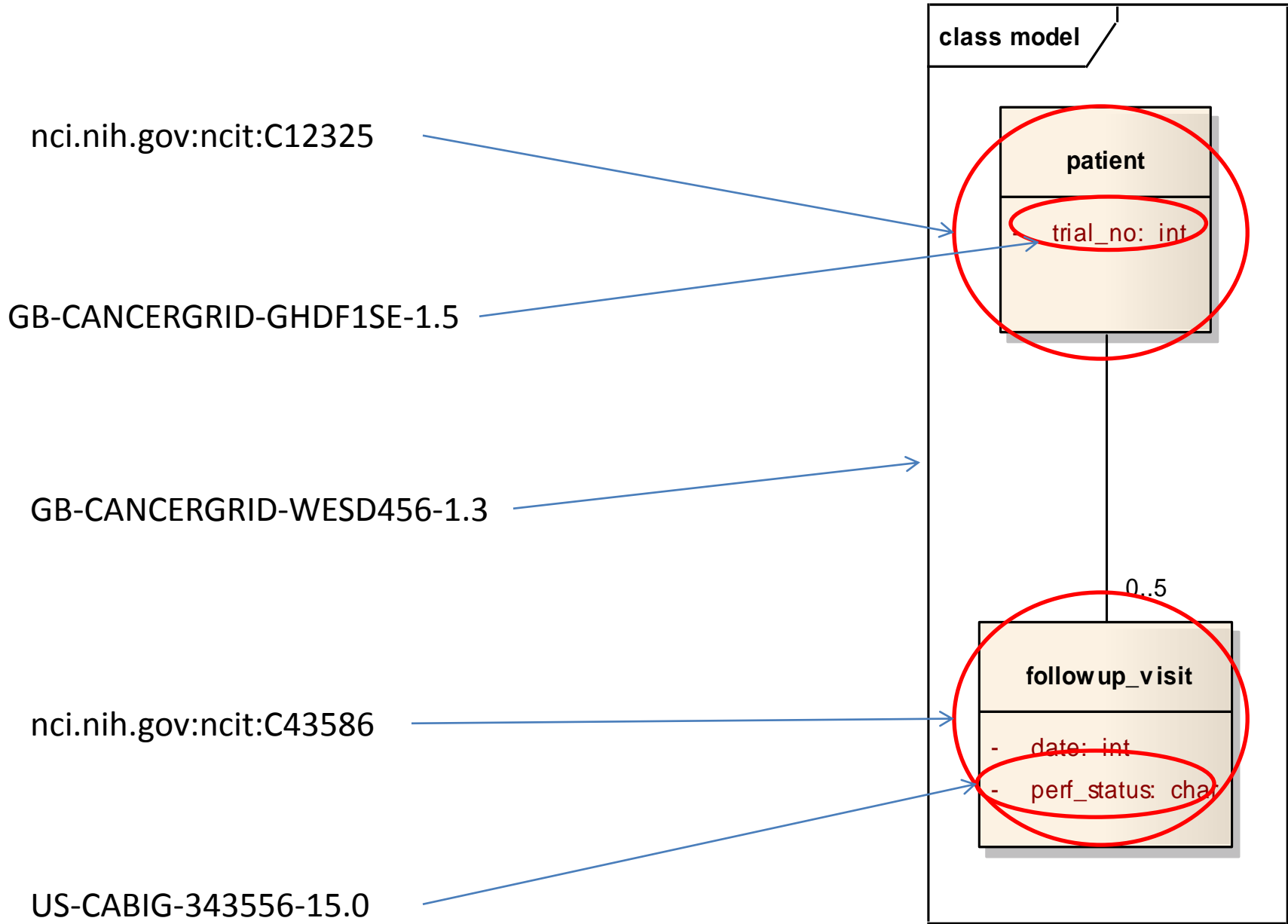
Results

ECOG Performance Status
ECOG performance status is 0, 1 or 2

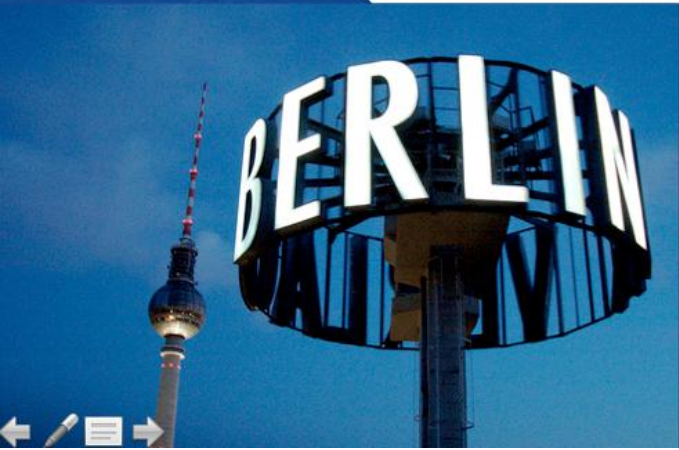
Details

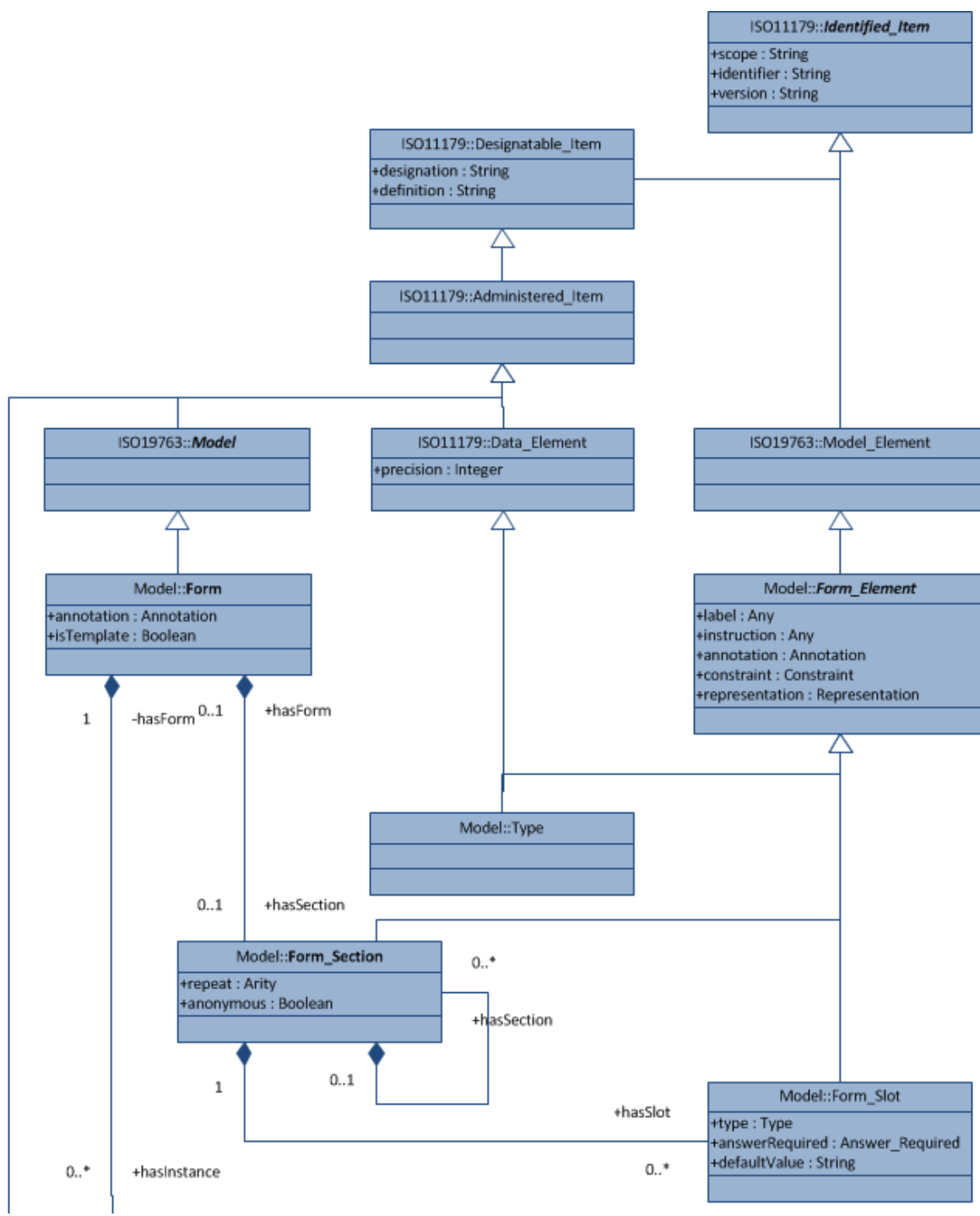
Definition Props/Values

Code	Meaning
0	Normal
1	Symptomatic: fully ambulatory
2	Symptomatic: in bed less than 50% of the time
3	Symptomatic: in bed greater than 50% of the time
4	100% bedridden
5	unknown death dead



Form generation





integration – InfoPath 2007

- in clinical trial designs
 - incorporate metadata element into forms
 - qualify the meaning of sections on forms
 - define eligibility criteria/stratification variables
- in data capture forms
 - large/dynamic enumerated value domains: drug names; identifiers for clinical centres; ontology sub-trees

cancergrid
trial designer

Trial event:

Intervention codes:

Insert intervention code

Form control name:

Namespace prefix:

Namespace:

Add and select controls in this table then edit the details for the control below.

Eligibility	Eligibility
InclusionCriteria	Inclusion Criteria
	*
	*
	*

Insert control

General control details

Control name:

Title:

Tool tip:

Click here to insert expression describing when to disable the control

Click here to insert expression describing when control data is invalid

Section

Contained Control Names

Insert item

Protocol:

The following set of concepts describe the context of this section:

Concept
<p><i>Id:</i> US-NCICB-CACORE-EVS-DESCLOGICCONCEPT-16112</p> <p><i>Preferred name:</i> Clinical Trial Eligibility Criteria</p> <p><i>Alternative names:</i></p> <ol style="list-style-type: none"> Clinical Trial Eligibility Criteria Clinical_Trial_Eligibility_Criteria

Query Service Control

Free Text Classification

Controls

inclusion criteria

Query completed.

Results

Inclusion Criteria

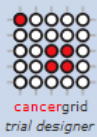
Details

Definition Props/Values

```
<def-source>NCI</def-source><def-definition>Medical and/or social characteristics which are necessary for a subject to be allowed to participate in a clinical study, as outlined in the study protocol. Meeting inclusion criteria is not a sufficient condition for entry or recruitment of a subject into the study. Characteristics limiting the eligibility of a subject for the clinical study must be
```

Metadata

Errors



Case Report Form Design

Trial event:

Intervention codes:

Insert intervention code

Form control name:

Namespace prefix:

Namespace:

Add and select controls in this table then edit the details for the control below.

Eligibility	Eligibility
InclusionCriteria	Inclusion Criteria
ExclusionCriteria	Exclusion Criteria
ParentConsent	the parent or guardian of the child to be enrolled into the study is willing and able...
ChildAgeRequirement	child aged 3 years 4 months and above

Insert control

General control details

Control name:

Title:

Tool tip:

- Click here to insert expression describing when to disable the control
- Click here to insert expression describing when control data is invalid

Section

Contained Control Names

Insert item

Protocol:

The following set of concepts describe the context of this section:

Query Service Control

Free Text Classification

Controls

Query completed.

Results

Common Toxicity Criteria Adverse I
child aged 3 years 4 months and a
parent or guardian willing and able

Details

Definition



Eligibility trial designer

Trial event:

Intervention codes:

Insert intervention code

Form control name:

Namespace prefix:

Namespace:

Add and select controls in this table then edit the details for the control below.

Eligibility	Eligibility
InclusionCriteria	Inclusion Criteria
ExclusionCriteria	Exclusion Criteria
ParentConsent	the parent or guardian of the child to be enrolled into the study is willing and able...
ChildAgeRequirement	child aged 3 years 4 months and above
GPConsultantNotification	willing to allow his or her GP and Consultant to be notified of participation in the ...
HepatitisVaccinationCommenced	commenced Hepatitis B post exposure prophylaxis at birth
StudyRequirements	Able (in the Investigator's opinion) and willing to comply with all study requireme...

Insert control

General control details

Control name:

Title:

Tool tip:

Click here to insert expression describing when to disable the control

Click here to insert expression describing when control data is invalid

Field details

Min Occurs: Max Occurs:

The type of the field is determined by a data element:

Data element	
ID	Preferred name
GB-CANCERGRID-OX-57BC835E5-1	Able and willing to comply with study requirements
Alternative names:	
Definition:	
<input type="text" value="Able (in the Investigator's opinion) and willing to comply with all study requirements"/>	
Code	Meaning
no	no
yes	yes

Query Service Control

Free Text Classification

Controls

Query completed.

Results

Able and willing to comply with stu
Breast Tumor Location data elem
Breast Tumour Location
Chemotherapy will be given to the
Common Toxicity Criteria Adverse I
Disease Stage data element
ETHNIC CATEGORY
Patient Sex data element
Patient Trial Number (CRUK Trials
Patient date of second surgery

Details

Definition Props/Values

Able (in the Investigator's opinion) and willing to comply with all study requirements

Identification

Visit 1

Visit 2

Notes

Centre Number:

00001

Researcher Number:

004

Participant Number:

001



Oxford Vaccine Group
*Paediatric Infectious Diseases, Clinical Vaccine Research
& Immunisation Education*

Hepatitis B Booster Study

Visit 1 Date:

16/03/2009

Informed Consent:

yes

Inclusion Criteria

1. Parent Consent

yes

2. Child Age Requirement

yes

3. GP/Consultant Notification

yes

4. Hepatitis Vaccination
Commenced

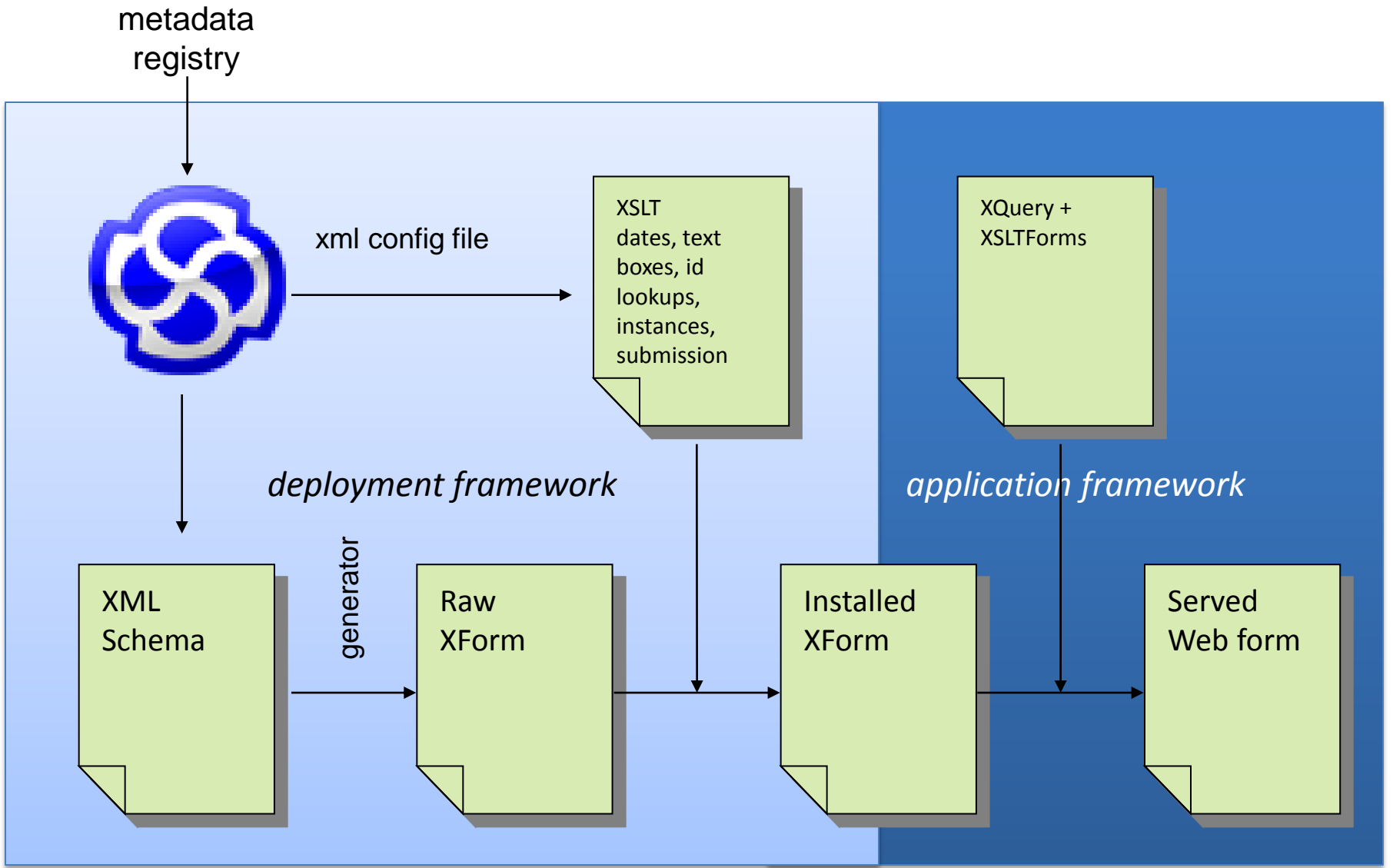
yes

5. Study Requirements

yes

XForms

- W3C standard
- declarative form language
- replace HTML forms
- *cf* Adobe Flex, MS Silverlight, Mozilla XUL



what it does

- enumerated simple types => drop down lists
- date => date selector
- required controls => visual indication of mandatory nature and requirement for completion for submit
- data types enforced on input fields (numerics, non-negative integers ...)
- additional scripting changes `xf:input` to `xf:textarea`, replaces `xf:input` with server-supplied combo/list box, interfaces with lookup popups ...

generated control

```
<xforms:input
  ref="//cgMDR:change_description">
  <xforms:label>change_description</xforms:label>
</xforms:input>
```



customising template (replace all change description controls with a memo field – generated from specification document)

```
<xsl:template match=
"forms:input[ends-with(./@ref, 'cgMDR:change_description')] ">
  <xforms:textarea
    ref="//cgMDR:change_description">
    <xforms:label>Change Description </xforms:label>
  </xforms:textarea>
</xsl:template>
```







deployed control

```
<xforms:textarea
  ref="//cgMDR:change_description">
  <xforms:label>Change Description</xforms:label>
</xforms:textarea>
```

Study

Item Registration Authority Identifier	Select...  
Data Identifier	3F9FD5A0B1DE43D3AED20B92D3E98F0E *
Version	1 *

Administration Record

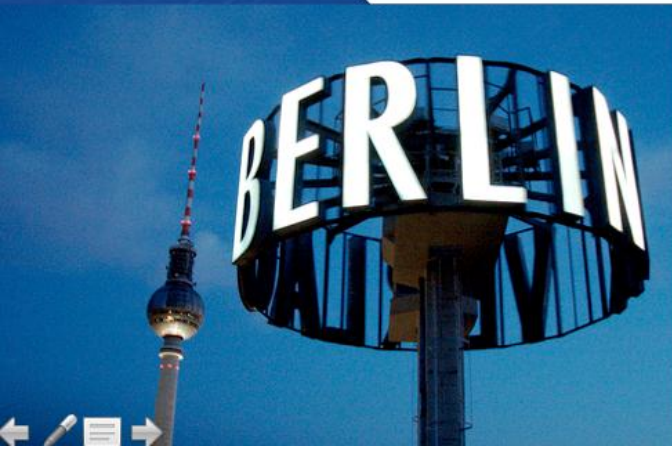
Registration Status	Select...  
Administrative Status	Select...  
Creation Date	05/28/2012 
Effective Date	05/28/2012 
Last Change Date	05/28/2012 
Until Date	01/01/2020 

Administrative Note

Change Description

Explanatory Comment

Data discovery



A22. Children in our class fight a lot

Yes 1 No 2

A23. A few children in my class want to be first all of the time

Yes 1 No 2

A24. Most of the pupils in my class know how to do their work

Yes 1 No 2

ccd200 A21: The class is fun

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	3270	39.9	40.2	40.2
	2 Sometimes	4552	55.5	55.9	96.1
	3 No	321	3.9	3.9	100.0
	Total	8143	99.4	100.0	
Missing	-1 No response	53	.6		
Total		8196	100.0		

ccd205 A22: Children in child's class fight a lot

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1658	20.2	20.4	20.4
	2 No	6426	78.4	79.1	99.6
	3 Sometimes	36	.4	.4	100.0
	Total	8120	99.1	100.0	
Missing	-1 No response	76	.9		
Total		8196	100.0		

ccd210 A23: A few children in child's class want to be first all the time

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5446	66.4	67.3	67.3
	2 No	2634	32.1	32.5	99.8
	3 Sometimes	17	.2	.2	100.0
	Total	8097	98.8	100.0	
Missing	-9 Don't know	1	.0		
	-1 No response	98	1.2		
	Total	99	1.2		
Total		8196	100.0		

ccd215 A24: Most of the pupils in child's class know how to do their work

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	7421	90.5	91.4	91.4
	2 No	687	8.4	8.5	99.9
	3 Sometimes	11	.1	.1	100.0
	Total	8119	99.1	100.0	
Missing	-1 No response	77	.9		
Total		8196	100.0		

[browse](#)[search](#)[discover](#)[understand](#)[login](#)

Model: KA SPSS Data Dictionary

[as XSD](#)[as XML](#)

Administered Item - Preferred Name: KA SPSS Data Dictionary

Administered Item Identifier	GB-OUCL-473688D8-1.0
Registration Status <i>explain</i>	Application
Definition	test
Registered By	Steve Harris (Research Fellow) Oxford Comlab

Model Specific Attributes

Mime-type	text/xml
Model Type	SPSS Metadata File
Model Content	Download

Annotations

identifier	names	related to	how
GB-OUCL-5DBCC03E-1.0	Questionnaire version (Form type) ka001	GB-OUCL-AD1B9D47-1.0	sameAs
GB-OUCL-468D233C-1.0	Reaction at birth ka010	GB-OUCL-E5C6AD44-1.0	sameAs
GB-OUCL-1E2D0AEA-1.0	Time until put to breast ka011	GB-OUCL-0126D16D-1.0	sameAs
GB-OUCL-1143400B-1.0	Time next to mum in 1st 2 days ka012	GB-OUCL-0908C607-1.0	sameAs
GB-OUCL-D1C68AD5-1.0	Time next to mum in 1st 2 nights ka013	GB-OUCL-97D01A7B-1.0	sameAs
GB-OUCL-3B4C55B6-1.0	Time next to mum in 1st 2 nights (adjusted) ka013a	GB-OUCL-03B88B17-1.0	sameAs
GB-OUCL-0D5AB2E1-1.0	Admission to SCBU etc ka014	GB-OUCL-13BAAA42-1.0	sameAs
GB-OUCL-92534E0B-1.0	Readmitted to hospital ka020	GB-OUCL-1C06DB4D-1.0	sameAs
GB-OUCL-E8884D70-1.0	Duration of stay ka021	GB-OUCL-241A9B79-1.0	sameAs

Data Element: Baby breast fed

49 738

Administered Item - Preferred Name: Baby breast fed

Administered Item Identifier	GB-OUCL-91690359-1.0
Registration Status <i>explain</i>	Application
Definition	(undefined)
Registered By	Steve Harris (Research Fellow) Oxford Comlab

Value Domain Attributes

Value domain record	Baby breast fed
Conceptual Domain	Baby breast fed
Datatype	xs:string (XML Schema)
Unit of Measure	
Format	not specified
Maximum Character Quantity	not specified
Representation Class	

Valid Values

Valid Values	value	meaning	uri
	-1	Missing	
	1	Always	
	2	Often	
	3	Sometimes	
	4	Never	

Field Names

Field Names	field name	preferred
	ka094	true

Model Reference

Expresses data element concept (full record)	Baby breast fed
Object class	default object class
Property	default property
Precision	0
Example	not specified
Typed by Representation Class	not-specified
Representation Class Qualifier	unqualified
Related data elements	

Reference Documents

Reference Documents	id	language	title	description
	C50D288C6	eng	ka094 Baby breast fed	Frequency plots associated with ALSPAC variables

The bar chart displays the frequency distribution for the 'Baby breast fed' variable. The x-axis lists the categories: Always, Often, Sometimes, Never, and Missing. The y-axis represents the percentage of the total sample, ranging from 0 to 100. The bars are light purple with their respective values labeled on top.

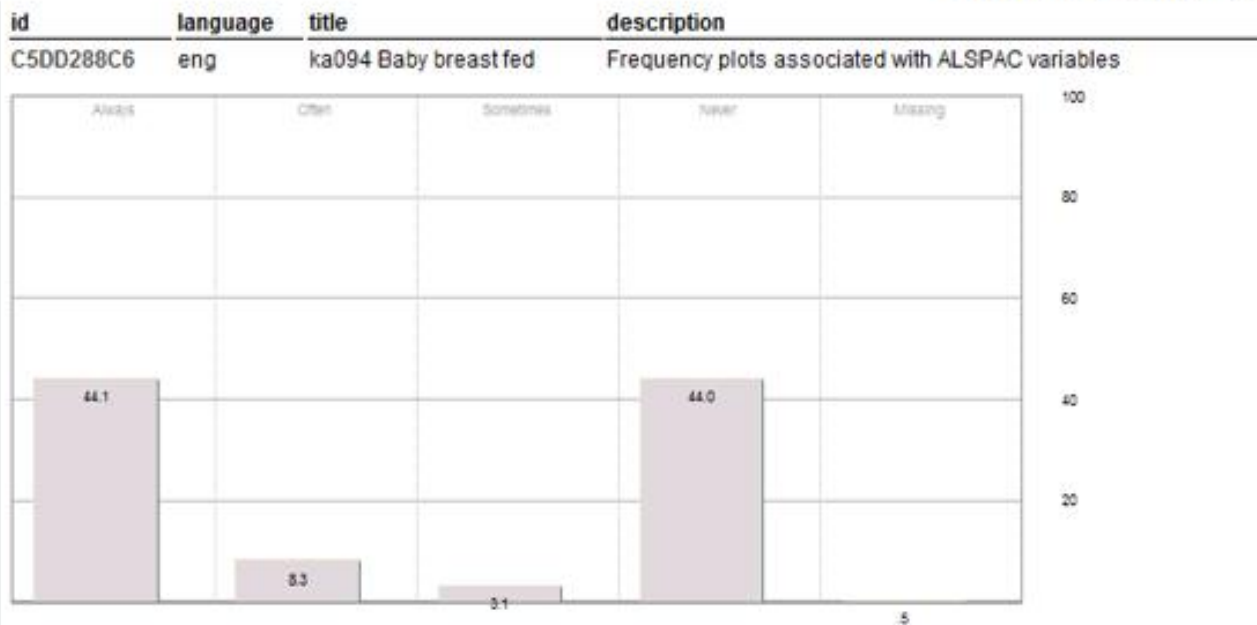
Category	Percentage
Always	44.1
Often	6.3
Sometimes	2.1
Never	44.0
Missing	0

Representation Class: **Quarter** unquarter

Related data elements

Reference Documents

Reference Documents



Naming

Naming	context	language	name	preferred
	Avon Longitudinal Study of Parents and Children	GB-eng	Baby breast fed	true
	Avon Longitudinal Study of Parents and Children	GB-eng	ka094	false

Administration

Administrative Status <i>explain</i>	noPendingChanges
Administered By	Steve Harris Research Fellow
Created On	not-specified
Effective From	not-specified

Variable: 'Can carer understand child' Speech Q 25 mth

[supersede](#)[edit](#)[as XSD](#)[as XML](#)

Administered Item - Preferred Name: 'Can carer understand child' Speech Q 25 mth

Administered Item Identifier	GB-OUCL-7D36B7A8443C4E7E91E418677117EC83-1 add to cart
Registration Status <i>explain</i>	Recorded
Definition	not-specified
Registered By	Dr. Steve Harris (Researcher, IDH) Oxford Comlab

Value Domain Attributes

Value domain record	Value domain for cf414
Conceptual Domain	Conceptual domain for cf414
Datatype	xs:string (XMLSchema)
Unit of Measure	
Format	not specified
Maximum Character Quantity	not specified

Valid Values

Valid Values	value	meaning
	-1	Missing
	-2	Did not attend
	1	most of time
	2	sometimes
	3	rarely
	4	doesnt talk at all

Field Names

Field Names	field name	preferred
	cf414	true

Usage

Related data elements	Children in Focus part of dataset
	'Takes turns talking' Speech Q 25 mth precedes this data element in dataset
	'How often follows instructions' Speech Q 25 mth precedes this data element in dataset
	'Points to body parts' Speech Q 25 mth precedes this data element in a dataset
	'How describe child's talking' Speech Q 25 mth follows this data element in a dataset
	'Hoarse/husky voice' Speech Q 25 mth follows this data element in a dataset
	'Stuck/repeat words' Speech Q 25 mth follows this data element in a dataset

Classification

Classification	term
	25 months
	Children in Focus dictionary

Data Element Search

Name and ID	Definition	Values
<p>Q119 How much does this bother you GB-OUCL-88D04DBC04BE4BC29C291D0E30FF71C1-1</p> <p><input type="button" value="add to cart"/></p> <p>MRECIP2B</p>		<p>Data Type:xs:double Units:(not applicable)</p> <p><u>Code Meaning</u></p> <p>1 NOT AT ALL 2 A LITTLE 3 SOMEWHAT 4 GREATLY</p>
<p>Q119 How much does this bother you GB-OUCL-D188FACAD1164548850EBBF548DEAA5D-1</p> <p><input type="button" value="add to cart"/></p> <p>MRECIP9B</p>		<p>Data Type:xs:double Units:(not applicable)</p> <p><u>Code Meaning</u></p> <p>1 NOT AT ALL 2 A LITTLE 3 SOMEWHAT 4 GREATLY</p>
<p>Q119 How much does this bother you GB-OUCL-0148E26EC41443CA8EA654F4246A173F-1</p> <p><input type="button" value="add to cart"/></p> <p>MRECIP3B</p>		<p>Data Type:xs:double Units:(not applicable)</p> <p><u>Code Meaning</u></p> <p>1 NOT AT ALL 2 A LITTLE 3 SOMEWHAT 4 GREATLY</p>
<p>Q119 How much does this bother you GB-OUCL-08E14E8AD02443D88568547F1EEC2C44-1</p> <p><input type="button" value="add to cart"/></p> <p>MRECIP4B</p>		<p>Data Type:xs:double Units:(not applicable)</p> <p><u>Code Meaning</u></p> <p>1 NOT AT ALL 2 A LITTLE 3 SOMEWHAT 4 GREATLY</p>
<p>Q119 How much does this bother you GB-OUCL-3434F9AFDF084289AD1D40408836DA4E-1</p> <p><input type="button" value="add to cart"/></p> <p>MRECIP1B</p>		<p>Data Type:xs:double Units:(not applicable)</p> <p><u>Code Meaning</u></p> <p>1 NOT AT ALL 2 A LITTLE 3 SOMEWHAT 4 GREATLY</p>

If Yes: How much does this bother you?

Not at all

A little

Somewhat

Greatly

(ii). Has the relationship with your partner always been characterised by mutual understanding?

Yes

No

Not applicable

If No: How much does this bother you?

Not at all

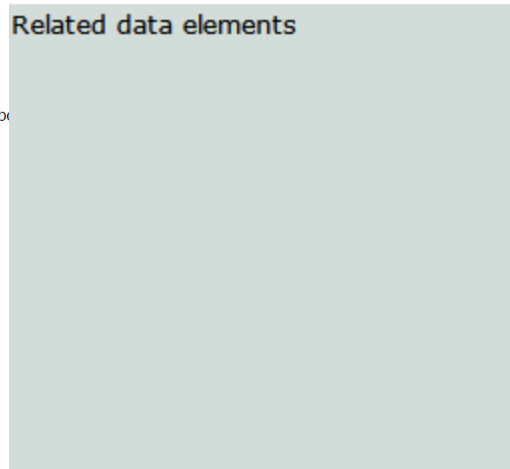
A little

Somewhat

Greatly

(iii). Have you always been satisfied with the balance between what you have given your partner and what you have received in return?

Yes



Whitehall sweep 7 questionnaire data part of dataset

Q119 Put partner ahead of own needs precedes this data element in dataset

Q119 How much does this bother you precedes this data element in dataset

Q119 Mutual understanding in partnershi precedes this data element in a dataset

Q119 Satisfied amount of give-n-take follows this data element in a dataset

Q119 How much does this bother you follows this data element in a dataset

Q119 Well respected by your children follows this data element in a dataset

If No: How much does this bo

Data Element by Classifier

Search within classification

(reset form)

Schemes

ALSPAC by age

Classification

broader terms

Alspac by child age

selected term

134 months

related terms

- 8 wks gest
- 12 wks gest
- 18 wks gest
- 32 wks gest
- 4 weeks
- 8 weeks
- 4 months
- 6 months
- 8 months
- 12 months
- 15 months
- 18 months
- 21 months
- 24 months
- 25 months
- 30 months
- 31 months
- 33 months
- 37 months
- 38 months
- 42 months

Origin Names	Definitions	Values
<p>ALSPAC A1a: Child's school is a place where they really like to go each day ccj100</p> <p>add to cart</p> <p>A1a: Child's school is a place where they really like to go each day</p>	(undefined)	<p>data type: xs:string</p> <p>units:</p> <p>enumerations:</p> <p>-1 No response-10 Not completed-11 Triplet / quadruplet1 Agree2 Mostly agree3 Mostly disagree4 Disagree99 DK</p>
<p>ALSPAC A1a: Frequency respondent felt things spinning/moving around, lasting less than 2 minutes during past 12 months r1000</p> <p>add to cart</p> <p>A1a: Frequency respondent felt things spinning/moving around, lasting less than 2 minutes during past 12 months</p>	(undefined)	<p>data type: xs:string</p> <p>units:</p> <p>enumerations:</p> <p>-1 No response-10 Not completed-11 Triplet / quadruplet0 Other text answer1 > than once a week2 > than once a month3 4-12 times4 1-3 times5 Not at all9 DK</p>
<p>ALSPAC A1a: Frequency respondent has felt things spinning/moving for less than 2 mins in past 12 months pp1000</p> <p>add to cart</p> <p>A1a: Frequency respondent has felt things spinning/moving for less than 2 mins in past 12 months</p>	(undefined)	<p>data type: xs:string</p> <p>units:</p> <p>enumerations:</p> <p>-1 No response-10 Not completed-11 Triplet / quadruplet1 > Once a week2 > Once a month3 4-12 times4 1-3 times5 Not at all</p>
<p>ALSPAC A1b: Child's school is a place where their teacher is fair to them ccj101</p> <p>add to cart</p> <p>A1b: Child's school is a place where their teacher is fair to them</p>	(undefined)	<p>data type: xs:string</p> <p>units:</p> <p>enumerations:</p> <p>-1 No response-10 Not completed-11 Triplet / quadruplet1 Agree2 Mostly agree3 Mostly disagree4 Disagree99 DK</p>
<p>ALSPAC A1b: Frequency respondent felt things spinning/moving around, lasting up to 20 minutes during past 12 months r1001</p> <p>add to cart</p> <p>A1b: Frequency respondent felt things spinning/moving around, lasting up to 20 minutes during past 12 months</p>	(undefined)	<p>data type: xs:string</p> <p>units:</p> <p>enumerations:</p> <p>-1 No response-10 Not completed-11 Triplet / quadruplet0 Other text answer1 > than once a week2 > than once a month3 4-12 times4 1-3 times5 Not at all9 DK</p>

Model Listing

a b c d e f g h i j k l m n o p q r s t u v w x y z

Names	Definition
F File	DATA COLLECTED FROM THE QUESTIONNAIRE 'Looking After the Baby' at 8 months
Focus 10 +	The aim of 'Children in Focus' was to examine the children in a way that cannot be done using questionnaires to their parents. The sample provides both a validation for certain aspects of the self-completion questionnaires and an answer to some important questions. These are related, for example, to the ways in which childhood diet, growth, anaemia, otitis media with effusion, visual defects, parenting skills and early cognition are related to the development of intellectual competence, speech and language as well as motor development of the child
Focus 11 +	The aim of 'Children in Focus' was to examine the children in a way that cannot be done using questionnaires to their parents. The sample provides both a validation for certain aspects of the self-completion questionnaires and an answer to some important questions. These are related, for example, to the ways in which childhood diet, growth, anaemia, otitis media with effusion, visual defects, parenting skills and early cognition are related to the development of intellectual competence, speech and language as well as motor development of the child
Focus @ 7	The aim of 'Children in Focus' was to examine the children in a way that cannot be done using questionnaires to their parents. The sample provides both a validation for certain aspects of the self-completion questionnaires and an answer to some important questions. These are related, for example, to the ways in which childhood diet, growth, anaemia, otitis media with effusion, visual defects, parenting skills and early cognition are related to the development of intellectual competence, speech and language as well as motor development of the child
Focus @ 9	The aim of 'Children in Focus' was to examine the children in a way that cannot be done using questionnaires to their parents. The sample provides both a validation for certain aspects of the self-completion questionnaires and an answer to some important questions. These are related, for example, to the ways in which childhood diet, growth, anaemia, otitis media with effusion, visual defects, parenting skills and early cognition are related to the development of intellectual competence, speech and language as well as motor development of the child

start

prev

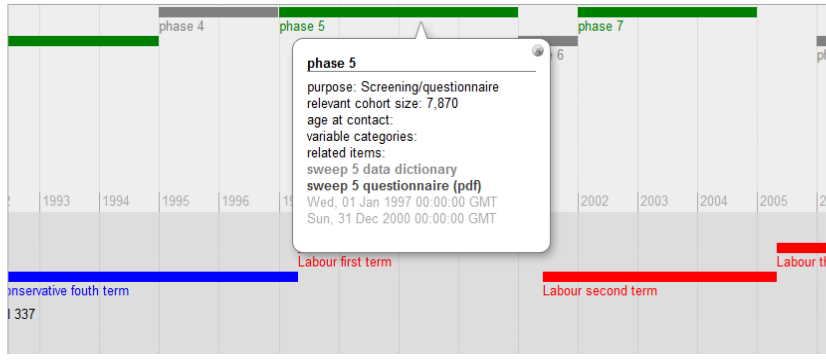
1 to 5 of 6

next

last

Tag Cloud View

Whitehall Timeline



last hospital months 12 hrt year sm admission 1998 october patient name month symptoms 1950 study first age health reason day 4 doctor 1999 whether used much years names preparations life taken problem during 2nd stopped 1st child occasion time weeks period 10 prescribed recently old periods children cohort test work up hysterectomy everyday 3rd reasons preparation bothered many card chest breast 3 give mother urine pressure medicine being illness go days felt town pain blood s partner importance important menstrual admitted order 1-3 mammogram ranking started charge recent more 4th condition oophorectomy household ward private treated diagnosis case

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Reference Documents

id	language	title
C5DD288C6	eng	ka094 Baby breas

