

Questions documentation

45-year Questionnaire (Q-45aar-far)

When the father is 45 years old

The Norwegian Mother and Child Cohort Study (MoBa)

Father's questionnaire

Version	Date	Performed by	Description
1.0	16.02.2023	Maria C. Magnus Siri E. Håberg Katrine Kranstad	Original version

This document describing the instruments used to construct the questionnaire has not been finally quality assured. The document may contain some minor inaccuracies and will be subjected to revision. If you have any comments that may improve this document, contact mobaadm@fhi.no.

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MODEL STRUCTURE OF WHAT IS PRESENTED PER INSTRUMENT/SECTION

Instrument

1. Name of original instrument/question:

Original name of scale (*no name* if only single question)

List wording of questions included in the section (with number from questionnaire in front) and write response categories (with values used in the dataset)

2. Description of original scale or selection of items used

Description of analytical approaches for selecting just a sample of items from a scale

If single question. NOT RELEVANT

If selection of established short version, make referral to literature and/or use

Where does the Q/scale come from, what is it meant to measure. Description of number of items, subscales. Where the Q/scale has been used and any information that give insight into what instrument this is.

Primary references of the instrument as well as important secondary publications if relevant.

3. Rationale for choosing the instrument:

What is it meant to measure and IF RELEVANT: Why this measure was chosen (if relevant).

4. Modifications:

Describe modifications during the study from one version to another.

Write if omitted or added from one version to another

NOTE 1:

This instrument documentation was written based on version [B] of the questionnaire per 6th July 2023.

NOTE 2:

Question dependencies did not work properly in version B of the questionnaire due to a technical issue. Consequently, some participants may have answered questions that should not have been answered based on their response to previous questions.

If you have any comments that may improve this document, please contact mobaadm@fhi.no.

Questions about fertility

Q	Question	Response options	Variable name
1	How many children do you have?	1 0	LF11
2	How many biological children do you have?	2 1	LF12
		3 2	
3	How many adopted children do you have?	4 3	LF13
		5 4	
4	How many stepchildren do you have?	6 5	LF14
		7 6	
		8 7	
5	Have you together with a partner ever tried to become pregnant for more than 12 months?	9 8	LF15
		10 9	
6	Have you ever been in contact with the health-care system for involuntary childlessness?	11 10 or more	LF16
		1 No	
7	Have you ever been diagnosed with reduced semen quality?	2 Yes	LF17
		1 No	
7	If you have been diagnosed with reduced semen quality, what was the main cause? <i>This element will only be displayed if the "Yes" option is selected in question "7. Have you ever been diagnosed with reduced semen quality?"</i>	2 Yes	LF18
		Hormonal disturbances	LF19
		Lack of sperm (azoospermia)	LF20
		Varicocele	LF21
		Blocked semen vas deference	LF22
		Genetic causes	LF23
		Other causes	LF24
		Don't know/uncertain	LF25
8	Have you together with a partner ever been treated for involuntary childlessness?	No	LF26
		Yes, only ovulation inducing medications	LF27
		Yes, artificial insemination	LF28
		Yes, in vitro fertilization without intracytoplasmic sperm injection	LF29
		Yes, in vitro fertilization with intracytoplasmic sperm injection	LF30
VERSION A: If you have undergone in vitro fertilization, did you use donor egg or donor sperm?	We used our own egg and donor sperm	LF31	
	We used only donor egg	LF32	
	We used only donor sperm	LF33	
	We used both donor egg and donor sperm	LF34	
VERSION B: If you have undergone in vitro fertilization, did you use donor egg or donor sperm?	We used our own egg and sperm	LF44	
	We used donor egg and own sperm	LF42	
	We used own egg and donor sperm	LF43	
	We used both donor egg and donor sperm	LF45	

2. Description of original instrument:

These questions were developed based on prior questions asked to MoBa mothers when they were pregnant with the index offspring (Q1), in addition to questions asked in the Avon Longitudinal Study of Parents (<http://www.bristol.ac.uk/alspac/researchers/our-data/questionnaires/>) and Children and UK Biobank (<https://biobank.ndph.ox.ac.uk/showcase/>).

Psychometric Information (sample, reliability, validity):

Not relevant.

Base Reference/Primary Citation:

Not relevant.

3. Rationale for choosing the questions:

These questions were developed to obtain information on number of offspring, fertility and use of assisted reproductive technologies from MoBa parents who have reached the end of their reproductive career.

4. Revision during the data collection period:

Version A contained an error in question 8.2; response alternative 1 read 'We used our own egg and donor sperm' (LM30). This was corrected to 'We used our own egg and sperm' in version B (LF44), meaning this option was not available to those who received version A of the questionnaire.

Questions about lifestyle

Q	Question	Response options	Variable name
9	How many kilograms do you weigh now?	Weight in kg	LF34
10	Do you currently smoke?	1 No 2 Yes, daily 3 Yes, sometimes	LF35
	If you smoke daily, how much do you smoke per day? <i>This element will only be displayed if the “Yes, daily” option is selected in question “12. Do you currently smoke?”</i>	Number of cigarettes per day	LF36
	If you smoke sometimes, how much do you smoke per week? <i>This element will only be displayed if the “Yes, sometimes” option is selected in question “12. Do you currently smoke?”</i>	Number of cigarettes per week	LF37
11	How often do you currently drink alcohol?	1 Not at all 2 1-3 times per month 3 1-2 times per week 4 3-4 times per week 5 More than 4 times per week	LF38
	How often do you drink 5 or more units of alcohol when you first are drinking? <i>This element will only be displayed if the “1-3 times per month”, “1-2 times per week” or “3-4 times per week” option is selected in question “15. How often do you currently drink alcohol?”</i>	1 Not at all 2 1-3 times per month 3 1-2 times per week 4 3-4 times per week 5 More than 4 times per week	LF39

2. Description of original instrument:

These questions were developed based on prior questions asked to MoBa parents when they were pregnant with the index offspring (Q1 and Q3 to MoBa mothers and the first paternal questionnaire)

Psychometric Information (sample, reliability, validity):

Not relevant.

Base Reference/Primary Citation:

Not relevant.

3. Rationale for choosing the questions:

These questions were developed to obtain information on important lifestyle characteristics from MoBa parents who have reached the end of their reproductive career.

4. Revision during the data collection period:

No revisions have been made.
