

Questions documentation

45-year Questionnaire (Q-45aar)

When the mother is 45 years old

The Norwegian Mother and Child Cohort Study (MoBa)

Mother's questionnaire

Version	Date	Performed by	Description
1.0	16.02.2023	Maria C. Magnus Siri E. Håberg Katrine Kranstad	Original version
1.1	31.01.2024	HDHU-dala	Corrected LM71 and LM72 response options

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	LM10
2	How many biological children do you have?	2 1	LM11
3	How many adopted children do you have?	3 2	LM12
4	How many stepchildren do you have?	4 3	LM13
5	How many times have you been pregnant?	5 4	LM14
6	How many of these pregnancies ended in a live birth?	6 5	LM15
7	How many of these pregnancies ended in a stillbirth?	7 6	LM16
8	How many of these pregnancies ended in a spontaneous abortion?	8 7 9 8 10 9	LM17
9	How many of these pregnancies ended in an induced abortion?	11 10 or more	LM18/LM66
10	Have you together with a partner ever tried to become pregnant for more than 12 months?	1 No 2 Yes	LM19
11	Have you together with a partner ever been treated for involuntary childlessness?	No	LM20
		Yes, only ovulation inducing medications	LM21
		Yes, artificial insemination	LM22
		Yes, in vitro fertilization without intracytoplasmic sperm injection	LM23
		Yes, in vitro fertilization with intracytoplasmic sperm injection	LM24
	VERSION A: If you have undergone in vitro fertilization, did you use donor egg or donor sperm?	1 We used our own egg and donor sperm 2 We used only donor egg 3 We used only donor sperm 4 We used both donor egg and donor sperm	LM25 LM26 LM27 LM28
	VERSION B: If you have undergone in vitro fertilization, did you use donor egg or donor sperm?	1 We used our own egg and sperm 2 We used donor egg and own sperm 3 We used own egg and donor sperm 4 We used both donor egg and donor sperm	LM67 LM68 LM69 LM70

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 11.2; response alternative 1 read 'We used our own egg and donor sperm' (LM25). This was corrected to 'We used our own egg and sperm' in version B (LM67), meaning this option was not available to those who received version A of the questionnaire.

Question 9 (LM18/LM66) exists as two different variables due to slight differences in wording in the Norwegian questionnaires.

Questions about Lifestyle

Q	Question	Response options	Variable name
12	How many kilograms do you weigh now?	Weight in kg	LM29
13	Do you currently smoke?	1 No 2 Yes, daily 3 Yes, sometimes	LM30
	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 "14. Do you currently smoke?"</i>	Number of cigarettes per day	LM31
	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 "14. Do you currently smoke?"</i>	Number of cigarettes per week	LM32
14	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	LM33
	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 "More than 4 times per week, 1-3 times per month, 1-2 times per week or 3-4 times per week" option is selected in question "17. 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	LM34

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.

Questions about contraception and transition to menopause

Q	Question	Response options	Variable name	
15	Have you had regular periods the last 12 months?	1 Yes 2 No, they have been irregular 3 No, I have not had a period in the last 12 months	LM35	
	If no, what was the reason that you did not have a period? <i>This element will only be displayed if the “No, I have not had a period in the last 12 months” option is selected in question “19. Have you had regular periods the last 12 months?”</i>	Pregnancy/breastfeeding	LM36	
		Use of contraceptives	LM37	
		Removal of uterus and one of the ovaries	LM38	
		Removal of uterus and both ovaries	LM39	
		Removed both ovaries, but not my uterus	LM40	
		Menopause	LM41	
Chemotherapy/radiation therapy as part of cancer treatment		LM42		
How old were you when you removed your uterus? <i>This element will only be displayed if the “Removal of uterus and one of the ovaries” or “Removal of uterus and both ovaries” option is selected in question “19. Have you had regular periods the last 12 months?”</i>	Age in years	LM44		
	How old were you when you removed both ovaries? <i>This element will only be displayed if the “Removal of uterus and both ovaries” or “Removed both ovaries, but not my uterus” option is selected in question “19. Have you had regular periods the last 12 months?”</i>	Age in years	LM45	
15	How many times have you had your period in the last 12 months? <i>This element will only be displayed if the “Yes” or “No, they have been irregular” option is selected in question “19. Have you had regular periods the last 12 months?”</i>	1 0 2 1 3 2 4 3 5 14 13 15 14 16 15 or more times	LM46	
	Version A	When did you have your last period?	1 Date 2 Don't know/don't remember	LM47 LM48
16	Version B	When did you have your last period?	1 January 2 February 3 March 4 April 5 ... 11 November 12 December 13 Don't know/don't remember	LM71
		When did you have your last period?	1 1999 2 2000 3 2001 4 2002 5 ... 41 2039 42 2040 43 Don't know/don't remember	LM72

17	How many days did you bleed during your last period?	Number of days	LM49
18	How often have you been bothered by night sweats during the last two weeks?	1 Not at all 2 1-5 days 3 6-8 days 4 9-13 days 5 Every day	LM50
19	How often have you been bother by hot flashes (where you are suddenly warm and red in the face without a particular reason) during the last two weeks?	1 Not at all 2 1-5 days 3 6-8 days 4 9-13 days 5 Every day	LM51
20	Have you ever used hormonal contraceptives, including the pill, mini-pill, vaginal rings, contraceptive patches, contraceptive injection or contraceptive implant?	1 No 2 Yes	LM52
	If yes, which hormonal contraceptive have you used?	The pill	LM53
	<i>This element will only be displayed if the “Yes” option is selected in question “28. Have you ever used hormonal contraceptives, including the pill, mini-pill, vaginal rings, contraceptive patches, contraceptive injection or contraceptive implant?”</i>	The mini-pill	LM54
		Vaginal ring	LM55
		Contraceptive plaster	LM56
		Intrauterine device	LM57
		Contraceptive implant	LM58
		Contraceptive injection	LM59
If yes, for how many years have you used hormonal contraceptives?	1 1-5 years 2 6-10 years 3 11-15 years 4 16-20 years 5 More than 20 years	LM60	
21	Have you ever used hormone replacement therapy (estrogen tablets, plaster or similar) for menopause symptoms?	1 No 2 Yes	LM61
	If yes, for how many years have you used hormone replacement therapy for menopause symptoms?	1 Less than 1 years 2 1-2 years 3 3-4 years 4 5-6 years 5 More than 6 years	LM62
	<i>This element will only be displayed if the “Yes” option is selected in question “31. Have you ever used hormone replacement therapy (estrogen tablets, plaster or similar) for menopause symptoms?”</i>		
	If yes, are you still using hormone replacement therapy for menopause symptoms?		LM63
	<i>This element will only be displayed if the “Yes” option is selected in question “31. Have you ever used hormone replacement therapy (estrogen tablets, plaster or similar) for menopause symptoms?”</i>	1 No 2 Yes	

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:

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4. Revision during the data collection period:

In version B of the questionnaire question 16 asks about the month and year of the participants' last period (LM71/LM72), whereas in version A participants were asked to fill in the exact date (LM47/LM48).
