Questions documentation
Ung Helse 2/Young Health 2

The Norwegian Mother and Child Cohort Study (MoBa)

MoBa 2. Generation participants who responded to the Questionnaire Ung Helse 1/Global Questionnaire in 2024

Version	Date	Performed by	Description
1.0	06.11.2025	Siri Håberg (FHI) Katrine Kranstad (FHI)	Original version

LIST OF CONTENTS

MODEL STRUCTURE OF WHAT IS PRESENTED PER INSTUMENT/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:
    This instrument documentation was written based on version A of the questionnaire per 23.04.2025

1. Education and income

1. **Name of original scale:** MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
1	**What do you usually do?** *You can select one or more options.* *[Multiple choice]*	Attending high school	HT11
		Attending higher education	HT12
		Apprenticeship	HT13
		Mandatory military service	HT14
		Attending folk high school	HT15
		Having a "gap year"	HT16
		Unemployed /temporarily laid off	HT17
		On sick leave / disabled / temporarily disabled (recovery)	HT18
		Employed in private sector	HT19
		Employed in public sector	HT20
		Self-employed	HT21
		Freelancer	HT22
		Other	HT23
2	**What is your current completed level of education?** *You can select one or more options.* *[Multiple choice]*	Lower secondary school	HT24
		Upper secondary Year 1 / Basic vocational competence (vocational)	HT25
		Upper secondary Year 1 (academic)	HT26
		Upper secondary Year 2 (vocational)	HT27
		Upper secondary Year 2 (academic)	HT28
		Craft or journeyman's certificate (vocational)	HT29
		Upper secondary Year 3 (academic)	HT30
		Supplementary course for general university admissions certification	HT31
		Vocational college degree / Master craftsman certificate	HT32
		College/university up to 4 years (bachelor's degree)	HT33
		College/university over 4 years (master's degree)	HT34
		Doctorate (PhD)	HT35
		Other	HT36
		Don't know	HT37
3	**Which levels of education do you expect to complete?** *[Multiple choice]*	Lower secondary school or no planned education	HT38
		Upper secondary Year 1 / Basic vocational competence (vocational)	HT39
		Upper secondary Year 1 (academic)	HT40
		Upper secondary Year 2 (vocational)	HT41
		Upper secondary Year 2 (academic)	HT42
		Craft or journeyman's certificate (vocational)	HT43
		Upper secondary Year 3 (academic)	HT44
		Supplementary course for general university admissions certification	HT45
		Vocational college degree / Master craftsman certificate	HT46
		College/university up to 4 years (bachelor's degree)	HT47
		College/university over 4 years (master's degree)	HT48
		Doctorate (PhD)	HT49

		Other	HT50
		Don't know	HT51
4	**What was your total income last year before taxes (including student grants, pension payments, part-time jobs, capital income, and transfers)?** *[Radio buttons]*	1. Less than 24.999 kr 2. 25.000 - 49.999 kr 3. 50.000 - 74.999 kr 4. 75.000 - 99.999 kr 5. 100.000 - 149.999 kr 6. 150.000 - 199.999 kr 7. 200.000 - 249.999 kr 8. 250.000 - 299.999 kr 9. 300.000 - 349.999 kr 10. 350.000 - 399.999 kr 11. 400.000 - 449.999 kr 12. 450.000 - 499.999 kr 13. 500.000 – 599.999 kr 14. 600,000-699,999 kr 15. 700.000 kr or more **16.** Don't know	HT52

2. Description of original instrument:

Q1: Inspired by questions from BSIG-18 and BSIG-25. Parental leave, gap years, and staying at home are added. Q2-3: The categories are formed based on the Danish Statistics educational qualifications using the International Standard Classification of Education (ISCED2011). Q4: Formulated by researchers for the purpose of this MoBa questionnaire.

3. Rationale for choosing the questions:

Capture the current situation of the respondents and collect data on their level of ambition when it comes to completion of higher education. The questions have been developed in collaboration with the Danish National Birth Cohort (DNBC) and chosen specifically to harmonise between the DNBC and MoBa. All questions are "repeated" from the MoBa questionnaire "Ung helse 1/Young Health 1" in order to enable a long-term follow up.

4. Revision during the data collection period:

No revisions have been made.

2. Height and weight

1. Name of original scale: MoBa specific questions.

Q		Response options	Variable name
5	**How tall are you?** Enter in centimeter *[Number box]*	(integer, min: 0 cm, max: 250 cm)	HT53
6	**What is your weight?** Enter in whole kilograms *[Number box]*	(integer, min: 1 kg, max: 400 kg)	HT54

2. Description of original instrument:
Q5-6: Questions from MoBa Child 14 and other MoBa questionnaires where height and weight are covered.

3. Rationale for choosing the questions:
To ensure consistency across the MoBa questionnaires. These questions were designed to enable calculation of BMI.

4. Revision during the data collection period:
No revisions have been made.

3. Biological sex at birth

1. **Name of original scale:** MoBa specific question.

Q		Response options	Variable name
7	**What was your biological sex at birth?** *[Radio buttons]*	1. Male 2. Female	HT55

2. **Description of original instrument**: MoBa specific question, a standard question used in several MoBa questionnaires.

3. **Rationale for choosing the questions:** Included in order to "filter" respondents to relevant questions based on biological sex at birth. A specific decision has been made to not include the answer category "other", as there are no questions available in this questionnaire for those who now identify as "other". The aim of the question is _not_ to capture the current status of the respondents' gender identity.

4. **Revision during the data collection period:**
    No revisions have been made.

4. Children and family			

1. **Name of original scale:** MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
8	**Do you have children?** *[Radio buttons]*	1. Yes 2. No	HT56
8.1	**Do you want to have biological children?** *This element will only be displayed if option "No" was selected in question 8. "Do you have children?"* *[Radio buttons]*	1. Yes, I want to have biological children 2. No, I don't want to have biological children 3. I cannot have biological children 4. Don't know	HT57
8.1.1	**When do you expect to have biological children?** *This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"* *[Radio buttons]*	1. Within the next 1–2 years 2. Within the next 3–4 years 3. In 5 years or later 4. Don't know	HT58
8.1.2	**How many biological children would you like to have?** *This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"* *[Radio buttons]*	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 or more 7. Don't know	HT59
8.1.3	**How do you envision becoming pregnant / your partner becoming pregnant?** *This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"* *[Radio buttons]*	1. Through intercourse 2. With the help of fertility treatment 3. Other 4. Don't know 5. Not applicable	HT60
8.1.4	**At what age do you wish to have your <u>first</u> biological child?** *This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"* *If you are unsure, enter an approximate age.* Enter age in years: *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT61
		Don't know	HT62
8.1.5	**At what age do you wish to have your <u>last</u> biological child?** *This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"* *If you are unsure, enter an approximate age.* Enter age in years: *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT63
		Don't know	HT64
8.2	**Do you want to have <u>more</u> biological children?**	1. Yes, I want to	HT65

	This element will only be displayed if option "Yes" was selected in question 8. "Do you have children?" *[Radio buttons]*	have more biological children 2. No, I don't want to have more biological children 3. I can no longer have biological children 4. Don't know	
8.2.1	**When do you expect to have your next biological child?** *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *[Radio buttons]*	1. Within the next 1–2 years 2. Within the next 3–4 years 3. In 5 years or later 4. Don't know	HT66
8.2.2	**How many more biological children would you like to have?** *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *[Radio buttons]*	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 or more 7. Don't know	HT67
8.2.3	**How do you envision becoming pregnant / your partner becoming pregnant?** *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *[Radio buttons]*	1. Through intercourse 2. With the help of fertility treatment 3. Other 4. Don't know *5.* Not applicable	HT68
8.2.4	**At what age do you wish to have your <u>next</u> biological child?** *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *If you are unsure, enter an approximate age.* *Enter age in years.* *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT69
		Don't know	HT70
8.2.5	**At what age do you wish to have your <u>last</u> biological child?** *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *If you are unsure, enter an approximate age.* *Enter age in years.* *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT71
		Don't know	HT72
8.2.6	**We will now list some factors that**	That I have a partner who would like to have children	1. Not important at all	HT73

	can influence the desire for children. How important are these for your own decision about when and whether to have children? *This element will only be displayed if option "Yes, I want to have more biological children" or "Don't know" was selected in question 8.2. "Do you want to have more biological children?"* *[Matrix with radio buttons]*	That I have completed my education	2. Not very important 3. Somewhat important 4. Important 5. Very important	HT74
		That I have a steady job		HT75
		That I/we have a home that is big enough		HT76
		That my friends have had children or are expecting children		HT77
		That I start having children early enough so that I don't end up having fewer children than I want		HT78
		Paid parental leave and kindergarten		HT79

9	**Having biological children is not the only way to have a family life. Do you want to care for children in other ways in the future?**		
	[Multiple choice]	I want to adopt	HT80
		I want to have foster children	HT81
		I want to meet a partner who has children	HT82

9.1	**When do you expect to have children (who are not biological)?**		
	This element will only be displayed if option "I want to adopt" or "I want to have foster children" was selected in question 9. "Having biological children is not the only way to have a family life. Do you want to care for children in other ways in the future?" *[Radio buttons]*	1. Within the next 1–2 years 2. Within the next 3–4 years 3. In 5 years or later 4. Don't know	HT83

9.2	**How many children (who are not biological) would you like to have?**		
	This element will only be displayed if option "I want to adopt" or "I want to have foster children" was selected in question 9. "Having biological children is not the only way to have a family life. Do you want to care for children in other ways in the future?" *[Radio buttons]*	1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 or more 7. Don't know	HT84

9.3	**At what age would you like to have your <u>first/next</u> child (who is not biological)?**		
	This element will only be displayed if option "I want to adopt" or "I want to have foster children" was selected in question 9. "Having biological children is not the only way to have a family life. Do you want to care for children in other ways in the future?" *If you are unsure, enter an approximate age.* *Enter age in years.* *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT85
		Don't know	HT86

9.4	**At what age would you like to have your <u>last</u> child (who is not biological)?**		
	This element will only be displayed if option "I want to adopt" or "I want to have foster children" was selected in question 9. "Having biological children is not the only way to have a family life. Do you want to care for children in other ways in the future?" *If you are unsure, enter an approximate age.* *Enter age in years.* *[Number box and radio buttons]*	(Integer, min: 18, max: 70)	HT87
		Don't know	HT88

9.5	**Are you concerned that your age may prevent you from having the children you want?**		
	This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?"	0-10 (integer)	HT89

	Choose a number between 0 (not concerned at all) and 10 (very concerned). *[Linear scale]*		
9.6	**Are you concerned that certain risk factors (e.g. smoking, chlamydia, anabolic steroids) may prevent you from having the children you want?**		
	This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?" *Choose a number between 0 (not concerned at all) and 10 (very concerned).* *[Linear scale]*	0-10 (integer)	HT90
9.7	**Are you concerned that your age may prevent you from having the children you want?**		
	This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?" *Choose a number between 0 (not concerned at all) and 10 (very concerned).* *[Linear scale]*	0-10 (integer)	HT91
9.8	**Are you concerned that certain risk factors (e.g. smoking, chlamydia, anabolic steroids) may prevent you from having the children you want?**		
	This element will only be displayed if option "Yes, I want to have biological children" or "Don't know" was selected in question 8.1. "Do you want to have biological children?" *Choose a number between 0 (not concerned at all) and 10 (very concerned).* *[Linear scale]*	0-10 (integer)	HT92

2. **Description of original instrument**: Q8+8.1+8.1.1: Questions formulated by researchers for the purpose of this MoBa questionnaire, Q8.1.2-8.2.2: Question modified from "The Swedish Fertility Awareness Questionnaire". The word "biological" has been added. Q8.1.3+8.2.3: Questions formulated by researchers for the purpose of this MoBa questionnaire. Q 8.1.4+8.2.4: Questions from "The Swedish Fertility Awareness Questionnaire". Q8.1.5+8.2.5: Questions from "The Swedish Fertility Awareness Questionnaire". Q8.2.6: Question from "The Swedish Fertility Awareness Questionnaire". Shortened from 13 items in the original scale. Q9-9.4: Questions formulated by researchers for the purpose of this MoBa questionnaire. Q9.5-9.8: Questions formulated by researchers for the purpose of this MoBa questionnaire.

3. **Rationale for choosing the questions:** the questions are included in order to map fertility and family intentions in the second generation MoBa cohort. All questions (apart from Q8.2.6) are "repeated" from the MoBa questionnaire "Life choices and thoughts about children" in order to enable a long-term follow-up of the respondents for these questions in particular. A similar/partly overlapping section of questions are also included in the MoBa questionnaire Ung Helse 1/Young Health 1.

4. **Revision during the data collection period:**
No revisions have been made.

5. Values, attitudes and child desires

1. **Name of original scale:** MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
10	**Below are five life goals/areas of life. How important is each of these to you right now?** **The more important a goal/area is to you at the moment, the more points you should assign it. If it is**		

	not important to you at all right now, give it 1 point.		
10.1	**Achieving my educational or career ambitions**		
	[Linear scale]	1-10 (integer)	HT93
10.2	**Pursuing my hobbies and other personal interests**		
	[Linear scale]	1-10 (integer)	HT94
10.3	**Having children / caring for the children I have**		
	[Linear scale]	1-10 (integer)	HT95
10.4	**Staying in touch with friends**		
	[Linear scale]	1-10 (integer)	HT96
10.5	**Living with a partner**		
	[Linear scale]	1-10 (integer)	HT97

2. Description of original instrument: Question originally used in the German "Pairfam Panel Survey". Modified to fit a Norwegian context.

3. Rationale for choosing the questions: The questions aim give a multidimentional picture of the life goals of the respondents. The questions have been developed in collaboration with the Danish National Birth Cohort (DNBC) and chosen specifically to harmonise between the DNBC and MoBa. All questions are "repeated" from the MoBa questionnaire "Ung helse 1/Young Health 1" in order to enable a long-term follow up.

4. Revision during the data collection period:
No revisions have been made.

6. Fertility

1. Name of original scale: MoBa specific questions inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
11	**Here are some statements about female and male fertility (the ability to have one's own biological children).** **Please indicate whether you think each statement is true or false:** *[Matrix with radio buttons]*		
	It is harder for a woman to get pregnant after the age of 36		HT98
	A couple has reduced fertility if they have not become pregnant after 1 year of regular unprotected sex		HT99
	Smoking reduces female fertility		HT100
	Smoking reduces male fertility	1. True 2. False 3. Don't know	HT101
	About 1 in 10 people have reduced fertility		HT102
	If a man produces sperm, he is fertile		HT103
	A woman in her 40s has the same chance of becoming pregnant as a woman in her 30s		HT104
	A healthy lifestyle makes you more fertile		HT105

	If a man contracts mumps after puberty, he has a higher risk of fertility problems later		HT106
	A woman who never menstruates is still fertile		HT107
	If a woman is overweight (at least 13 kg over normal weight), it is harder to get pregnant		HT108
	If a man can get an erection, it means he is fertile		HT109
	Having had a sexually transmitted infection increases the risk of reduced fertility		HT110
	A man is less fertile after the age of 40		HT111
	If a woman's menstrual cycle is 28 days, the best time to have sex to get pregnant is on days 12–14 (day 1 is the first day of bleeding in a menstrual period)		HT112
12	**If a woman aged 30–35 has regular unprotected sex, how likely do you think it is that she will become pregnant within a year?**		
	[Radio buttons]	1. 0–9% 2. 10–19% 3. 20–29% 4. 30–39% 5. 40–49% 6. 50–69% 7. 70–89% 8. 90–100%	HT113
13	**If a woman aged 40–45 has regular unprotected sex, how likely do you think it is that she will become pregnant within a year?**		
	[Radio buttons]	1. 0–9% 2. 10–19% 3. 20–29% 4. 30–39% 5. 40–49% 6. 50–69% 7. 70–89% 8. 90–100%	HT114
14	**If a woman aged 40–45 undergoes two to three IVF treatments, how likely do you think it is that she will become pregnant?**		
	[Radio buttons]	1. 0–9% 2. 10–19% 3. 20–29% 4. 30–39% 5. 40–49% 6. 50% or higher	HT115

2. Description of original instrument: Q11: Questions from the Cardiff Fertility Knowledge Scale. Q12-14: Questions from the German Family Demography Panel Study (FreDa)

3. Rationale for choosing the questions: Included in order to measure the respondents' fecundity knowledge. The questions have been developed in collaboration with the Danish National Birth Cohort (DNBC) and chosen specifically to harmonise between the DNBC and MoBa. All questions are "repeated" from the MoBa questionnaire "Ung helse 1/Young Health 1" in order to enable a long-term follow up.

4. Revision during the data collection period: No revisions have been made.

7. Health and lifestyle choices

1. Name of original scale: MoBa specific questions

Q		Response options	Variable name
15	**Below are some questions and statements about health and motivation for lifestyle changes. We would like to know your opinion on these statements, even if the topics do not feel personally relevant to you.**		
15.1	**If you smoke, how likely is it that you will try to quit?**		
	[Radio buttons]	1. Very likely 2. Likely 3. Neither likely nor unlikely 4. Somewhat unlikely 5. Very unlikely	HT116
15.2	**I would get tested for chlamydia if I had unprotected sex with a new partner**		
	[Radio buttons]	1. Very likely 2. Likely 3. Neither likely nor unlikely 4. Somewhat unlikely 5. Very unlikely 6. Prefer not to answer	HT117
15.3	**I want to avoid anabolic steroids**		
	[Radio buttons]	1. Very likely 2. Likely 3. Neither likely nor unlikely 4. Somewhat unlikely 5. Very unlikely	HT118

2. Description of original instrument: Questions formulated by researchers.

3. Rationale for choosing the questions: The questions are "repeated" from the MoBa questionnaire "Life choices and thoughts about children" in order to enable a long-term follow-up of the respondents for these questions in particular.

4. Revision during the data collection period: No revisions have been made.

8. Political measures and family life

1. Name of original scale: MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
16	**Below are some measures that could make it easier to have children. Do you think any of these could influence when you have children and how many you have?** *[Matrix with multiple choice]*		
	More flexible distribution of parental leave days between parents	Could make me have an additional child	HT119
		Could make me have children earlier	HT120
		Not important/relevant to me	HT121
	The possibility to transfer parental leave days from parents to a close relative	Could make me have an additional child	HT122
		Could make me have children earlier	HT123
		Not important/relevant to me	HT124
	Full salary during parental leave and full pension accrual during unpaid leave	Could make me have an additional child	HT125
		Could make me have children earlier	HT126
		Not important/relevant to me	HT127
	Better quality in kindergartens and after-school care programs	Could make me have an additional child	HT128
		Could make me have children earlier	HT129
		Not important/relevant to me	HT130
	Free kindergarten and after-school care	Could make me have an additional child	HT131

		Could make me have children earlier	HT132
		Not important/relevant to me	HT133
	More affordable housing for families with children	Could make me have an additional child	HT134
		Could make me have children earlier	HT135
		Not important/relevant to me	HT136
	Favorable loans for parents to spread child-related costs over the life course	Could make me have an additional child	HT137
		Could make me have children earlier	HT138
		Not important/relevant to me	HT139
	20% shorter workweek for parents with children under 3 years	Could make me have an additional child	HT140
		Could make me have children earlier	HT141
		Not important/relevant to me	HT142
	NOK 100,000 (≈ $10,000) less in annual taxes per child	Could make me have an additional child	HT143
		Could make me have children earlier	HT144
		Not important/relevant to me	HT145
	Better income security and parental leave rights for students who have children	Could make me have an additional child	HT146
		Could make me have children earlier	HT147
		Not important/relevant to me	HT148

2. Description of original instrument: Formulated by researchers for the purpose of this questionnaire. Inspired by a similar question in a Norwegian population-wide questionnaire distributed by the Institute for Social Research in Norway (Cools & Strøm, 2020). A similar question also included in the MoBa Questionnaires "Kvinnehelse hos MoBa mødre"/"Helse hos MoBa fedre". The question is developed in collaboration with the DNBC, but the final answer categories vary between the DNBC and MoBa according to the policy landscapes of Denmark and Norway respectively.

References: Cools, S., & Strøm, M. (2020). Ønsker om barn–en spørreundersøkelse om fertilitet, arbeidsliv og familiepolitikk. Rapport–Institutt for samfunnsforskning.
https://samfunnsforskning.brage.unit.no/samfunnsforskning-xmlui/bitstream/handle/11250/2645776/%25C3%2598nsker_om_barn.pdf?sequence=2&isAllowed=y

3. Rationale for choosing the questions: Included in order to assess how these items link to long-term fertility choices, use of institutional support, and various determinants and outcomes.

4. Revision during the data collection period:
No revisions have been made.

9. Roles of women and men

1. Name of original scale: MoBa specific questions.

Q		Response options	Variable name
17	Please evaluate the following statements by selecting the response that best reflects your opinion:		
17.1	Generally speaking, who is best suited to be top leaders in the business world—men or women?		
	[Radio buttons]	1. Definitely men 2. Somewhat men 3. Both genders equally 4. Somewhat women 5. Definitely women	HT149
17.	For whom is it more important to have a high salary and a prestigious career—men or women?		

2			
	[Radio buttons]	1. Definitely men 2. Somewhat men 3. Both genders equally 4. Somewhat women 5. Definitely women	HT150
17.3	**Who is better at remembering birthdays and organizing holiday celebrations—men or women?**		
	[Radio buttons]	1. Definitely men 2. Somewhat men 3. Both genders equally 4. Somewhat women 5. Definitely women	HT151
17.4	**Who is better at caring for young children—men or women?**		
	[Radio buttons]	1. Definitely men 2. Somewhat men 3. Both genders equally 4. Somewhat women 5. Definitely women	HT152
17.5	**Who is better at keeping the home clean and tidy—men or women?**		
	[Radio buttons]	1. Definitely men 2. Somewhat men 3. Both genders equally 4. Somewhat women 5. Definitely women	HT153
18	**To what extent do you agree with the following statements?**		
18.1	**Women should more often take on leadership roles**		
	[Radio buttons]	1. Strongly disagree 2. Somewhat disagree 3. Neither agree nor disagree 4. Somewhat agree 5. Strongly agree	HT154
18.2	**Men should be more involved in family life**		
	[Radio buttons]	1. Strongly disagree 2. Somewhat disagree 3. Neither agree nor disagree 4. Somewhat agree 5. Strongly agree	HT155

2. Description of original instrument: Formulated by researchers for the purpose of this MoBa questionnaire

3. **Rationale for choosing the questions:** Gender role attitudes (hence peoples' views on the extent to which women's and men's roles in the public and private spheres are gendered or not have been linked to fertility desires, intentions and outcomes (Theory of planned behaviour). The topic/themes of each sub-questions (Business leader, High pay/prestigious career, Childcare, Housework, Organising birthdays etc.) have been tested in another separate data collection in the MoBa and DNBC Second generation cohorts (The Young Dyad project, PI: Rannveig Kaldager Hart, FHI/UiO), and repeated in this questionnaire in order to enable analysis on a larger study population.

4. Revision during the data collection period:
No revisions have been made.

10. Your position on the political left-right spectrum

1. **Name of original scale:** Variable r20oc_h2 from the Norwegian Citizen Panel survey, round 20 (June 2023).

Q		Response options	Variable name
19	**In politics, people often talk about the "left" and the "right." Below is a scale where 0 represents those who are completely on the political left, and 10 represents those who are completely on the political right. Where would you place yourself on this scale?**		
	0 meaning far left politically and 10 meaning far right politically *[Linear scale]*	0-10 (Integer)	HT156

2. Description of original instrument: Variable r20oc_h2 from the Norwegian Citizen Panel survey, round 20 (June 2023).

Reference: https://www.uib.no/digsscore-norsk/157827/runde-20-norsk-medborgerpanel

3. Rationale for choosing the questions: The question is validated in the Norwegian Citizen Panel.

4. Revision during the data collection period:
No revisions have been made.

11. Health and quality of life

1. Name of original scale: MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
20	**How is your health overall right now?**		
	[Radio buttons]	1. Excellent 2. Very good 3. Good 4. Fair 5. Poor	HT157
21	**How satisfied are you with your life overall right now?**		
	[Radio buttons]	1. Not satisfied at all 2. Quite dissatisfied 3. Slightly dissatisfied 4. Neither satisfied nor dissatisfied 5. Slightly satisfied 6. Quite satisfied 7. Very satisfied	HT158
22	**Describe yourself as you usually are:** *[Matrix with radio buttons]*		
	I am the life of the party		HT159
	I have sympathy for others		HT160
	I get tasks done right away		HT161
	My mood changes frequently		HT162
	I have a vivid imagination	1. Strongly disagree 2. Somewhat disagree 3. Neither agree nor disagree 4. Somewhat agree 5. Strongly agree	HT163
	I don't talk much		HT164
	I am not interested in other people's problems		HT165
	I often forget to put things back in their place		HT166
	I am relaxed most of the time		HT167
	I am interested in complex ideas		HT168
	I talk to many people at a party		HT169
	I am attentive to others' feelings		HT170
	I like order and tidiness		HT171

I get upset easily (anxious, irritated, angry)		HT172
I have trouble understanding new ideas		HT173
I keep in the background		HT174
I am really not interested in other people		HT175
I often mess things up		HT176
I often feel down or sad		HT177
I don't have a good imagination		HT178

23	How often have you experienced the following feelings during the past 2 weeks? *[Matrix with radio buttons]*		
	Nervous, anxious, or tense	1. Not at all	HT179
	Unable to stop or control your worrying	2. One day	HT180
	Little interest or pleasure in doing things	3. Several days	HT181
	Down, hopeless, or depressed	4. More than half the days 5. Nearly every day	HT182

24	How often have you experienced the following feelings during the past 2 weeks? *[Matrix with radio buttons]*		
	Felt isolated from others	1. Never	HT183
	Felt that you miss having someone to be with	2. Rarely	HT184
	Felt left out	3. Occasionally 4. Often	HT185

The following questions are about feelings and thoughts you may have had during the past month. For each question, please indicate how often you felt or thought a certain way.

25	During the past month, how often have you… *[Matrix with radio buttons]*		
	Been upset because something that happened unexpectedly?		HT186
	Felt that you were unable to control the important things in your life?		HT187
	Felt nervous and "stressed"?		HT188
	Felt confident about your ability to handle your personal problems?	1. Never 2. Almost never 3. Sometimes 4. Fairly often 5. Very often	HT189
	Felt that things were going your way?		HT190
	Found that you could not cope with all the things that you had to do?		HT191
	Been able to control irritations in your life?		HT192
	Felt that you were on top of things?		HT193
	Gotten angry because things happened that were outside of your control?		HT194
	Felt that difficulties were piling up so high that you could not overcome them?		HT195

26	Are you feeling tired and fatigued these days?		
	By tired and fatigued, we mean a condition that negatively affects your life or prevents you from living the life you want. You may check one or more options.	No, I'm usually not tired and fatigued	HT196
		I am often tired and fatigued, but can still participate in regular daily activities	HT197
		I am often so tired and fatigued that I have to take time off from regular daily activities (such as studies/work/other)	HT198
		I am often so tired and fatigued that I don't take part in social or recreational activities	HT199
		I am often so tired and fatigued that I am bedridden	HT200
		Don't know	HT201
	[Multiple choice]	Prefer not to answer	HT202

How often do you have contact with your parents?
By contact, we mean physical meetings, phone calls, text messages, or other forms of communication such as social media.

27	Contact with biological mother		
	[Radio buttons]	1. Daily 2. 5–6 days a week 3. 3–4 times a week 4. 1–2 times a week 5. 1–2 times a month 6. Less than 1–2 times a month 7. Never	HT203

Q		Response options	Variable name
		8. Not applicable 9. Prefer not to answer	
28	**Contact with biological father**		
	         [Radio buttons]	1. Daily 2. 5–6 days a week 3. 3–4 times a week 4. 1–2 times a week 5. 1–2 times a month 6. Less than 1–2 times a month 7. Never 8. Not applicable 9. Prefer not to answer	HT204
29	**Contact with stepparent / someone other than a biological parent**		
	         [Radio buttons]	1. Daily 2. 5–6 days a week 3. 3–4 times a week 4. 1–2 times a week 5. 1–2 times a month 6. Less than 1–2 times a month 7. Never 8. Not applicable 9. Prefer not to answer	HT205

2. Description of original instrument: Q20+21: Formulated by researchers for the purpose of this MoBa questionnaire. Q22: Adopted from the International Personality Item pool (IPIP), Big five factor markers. Q23: Question adapted from the Patient Health Questionnaire (PHQ-4). Q24: Question from the Three Item Loneliness Scale (Hysing et al., 2020). Q25: Perceived stress scale, 10 item scale (PSS-10). Q26-29: Formulated by researchers for the purpose of this questionnaire.

References: Hysing, M., Petrie, K. J., Bøe, T., Lønning, K. J., & Sivertsen, B. (2020). Only the lonely: a study of loneliness among university students in Norway

Cohen, S., Kamarck, T. og Mermelstein, R. (1983). A global measure of perceived stress. Journal of Health and Social Behavior. 24, 386-396.

Cohen, S. and Williamson, G. Perceived Stress in a Probability Sample of the United Slates. Spacapan, S. and Oskamp. S. (Eds.) The Social Psychology of Health. Newbury Park, CA: Sage, 1988.

3. Rationale for choosing the questions: Q20+21: repeated from the MoBa questionnaire Ung Helse 1/Young Health 1 to enable long-term follow-up. Q22, 23, 24, 25: Established scales are preferred in order to capture symptoms of stress/anxiety and data about personality. Q26-29: fatigue and contact with parents/family are by researchers considered relevant aspects of young people's lives and questions are designed specifically to capture these items in this MoBa 2. Generation population questionnaire.

4. Revision during the data collection period:
No revisions have been made.

12. Thoughts about the future

1. Name of original scale: Instrument of global uncertainty from the Generations and Gender Survey, please see reference under the table below.

Q		Response options	Variable name
30	**When you think about the future, how worried are you about the following issues?** *[Matrix with radio buttons]*		
	Terrorism/terrorist attacks	1. Very worried	HT206
	Climate change	2. Quite worried	HT207
	Overpopulation	3. Not very worried	HT208

	Economic crises	4. Not worried at all	HT209
	Increase in the number of refugees	5. Don't know	HT210
	High unemployment		HT211
	Organized crime		HT212
	Military conflicts		HT213
	Global epidemics		HT214
	Weakened democracy		HT215
	Increasing social inequality		HT216
	Political extremism		HT217
	The prospects of coming generations		HT218

2. **Description of original instrument**: This instrument of global uncertainty was developed by Andersson et al. (2020) for the second wave of the Generations & Gender Survey. We have used the translation which was used for the Norwegian round II of the GGS (Dommermuth & Lappegård, 2020).

References: Andersson et al. (2020): https://www.ggp-i.org/wp-content/uploads/2020/10/GunnarAndersson_new-GGS-items-on-uncertainty.pdf

Generations and Gender programme in Norway: https://www.ssb.no/en/forskning/befolkning-og-offentlig-okonomi/ggp

3. **Rationale for choosing the questions:** The module was developed to understand how global uncertainties affect fertility decisions and behaviour.

4. Revision during the data collection period:
No revisions have been made.

13. Nicotine use

1. **Name of original scale:** MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
31	**Do you smoke cigarettes?**		
	Do not include e-cigarettes here. *[Radio buttons]*	1. No, I have never smoked cigarettes 2. No, but I have tried smoking a few times 3. No, but I used to smoke occasionally 4. No, but I used to smoke daily 5. Yes, occasionally 6. Yes, daily	HT219
31.1	**At what age did you start smoking cigarettes?**		
	This element will only be displayed if "No, but I used to smoke occasionally," "No, but I used to smoke daily," "Yes, occasionally" or "Yes, daily" was selected in question 31. "Do you smoke cigarettes?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT220
31.2	**On average, how many cigarettes did/do you smoke per month?**		
	This element will only be displayed if "No, but I used to smoke occasionally" or "Yes, occasionally" was selected in question 31. "Do you smoke cigarettes?"	(min: 0, max: 99, whole numbers)	HT221

	[Number box]		
31. 3	**On average, how many cigarettes did/do you smoke per day?**		
	This element will only be displayed if "No, but I used to smoke daily" or "Yes, daily" was selected in question 31. "Do you smoke cigarettes?" *[Number box]*	(min: 0, max: 99, whole numbers)	HT222
31. 4	**At what age did you quit smoking cigarettes?**		
	This element will only be displayed if "No, but I used to smoke occasionally" or "No, but I used to smoke daily" was selected in question 31. "Do you smoke cigarettes?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT223
32	**Do you vape/use e-cigarettes?**		
		1. No, I have never used e-cigarettes 2. No, but I have tried e-cigarettes a few times 3. No, but I used to use e-cigarettes occasionally 4. No, but I used to use e-cigarettes daily 5. Yes, occasionally 6. Yes, daily	HT224
32. 1	**At what age did you start vaping/using e-cigarettes?**		
	This element will only be displayed if "No, but I used to use e-cigarettes occasionally", "No, but I used to use e-cigarettes daily", "Yes, occasionally" or "Yes, daily" was selected in question 32. "Do you vape/use e-cigarettes?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT225
32. 2	**On average, how many times per month did/do you use e-cigarettes?**		
	This element will only be displayed if "No, but I used to use e-cigarettes occasionally" or "Yes, occasionally" was selected in question 32. "Do you vape/use e-cigarettes?" *[Number box]*	(min: 0, max: 99, whole numbers)	HT226
32. 3	**On average, how many times per day did/do you use e-cigarettes?**		
	This element will only be displayed if "No, but I used to use e-cigarettes daily" or "Yes, daily" was selected in question 32. "Do you vape/use e-cigarettes?" *[Number box]*	(min: 0, max: 99, whole numbers)	HT227
32. 4	**At what age did you stop vaping/using e-cigarettes?**		
	This element will only be displayed if "No, but I used to use e-cigarettes occasionally" or "No, but I used to use e-cigarettes daily" was selected in question 32. "Do you vape/use e-cigarettes?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT228
33	**Do you use snus/nicotine pouches?**		
		1. No, I have never used snus 2. No, but I have tried snus a few times 3. No, but I used to use snus occasionally	HT229

Q		Response options	Variable name
		4. No, but I used to use snus daily 5. Yes, occasionally 6. Yes, daily	
33. 1	**At what age did you start using snus?**		
	This element will only be displayed if "No, but I used to use snus occasionally", "No, but I used to use snus daily", "Yes, occasionally" or "Yes, daily" was selected in question 33. "Do you use snus?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT230
33. 2	**On average, how many snus pouches did/do you use per month?**		
	This element will only be displayed if "No, but I used to use snus occasionally" or "Yes, occasionally" was selected in question 33. "Do you use snus?" *[Number box]*	(min:0, max: 99, whole numbers)	HT231
33. 3	**On average, how many snus pouches did/do you use per day?**		
	This element will only be displayed if "No, but I used to use snus daily" or "Yes, daily" was selected in question 33. "Do you use snus?" *[Number box]*	(min:0, max: 99, whole numbers)	HT232
33. 4	**At what age did you stop using snus?**		
	This element will only be displayed if "No, but I used to use snus occasionally" or "No, but I used to use snus daily" was selected in question 33. "Do you use snus?" Number of years. You may enter whole and half years. *[Number box]*	(min: 0, max: 99, one decimal allowed)	HT233

2. Description of original instrument: Formulated by researchers for the purpose of this MoBa questionnaire. The phrasing of the questions and the answer categories are inspired by the nicotine-related questions included in the HUNT study.

3. Rationale for choosing the questions: Included to capture the smoking, vaping and snus habits of the 2nd Generation MoBa cohort.

4. Revision during the data collection period:
No revisions have been made.

14. Alcohol

1. Name of original scale: MoBa specific questions inspired by existing studies, please see references under the table below.

Q		Response options	Variable name
34	**Do you drink alcohol?**		
	[Radio buttons]	1. Yes 2. No	HT234
34. 1	**How often do you drink alcohol?**		
	This element will only be displayed if "Yes" was selected in question 34. "Do you drink alcohol?"	1. Less than once a month 2. 1-3 times a month	HT235

		3. 1 time a week or more	
	[Radio buttons]		
34. 1.1	**How many units of alcohol (beer, wine or spirits) do you drink on average per week?**		
	This element will only be displayed if "1 time a week or more" was selected in question 34.1. "How often do you drink alcohol?" *Enter number of units. One unit is e.g. 1 beer (33 cl.), 1 glass of wine (12 cl.) or 1 glass of spirits (4 cl.)* [Number box]	(min:0, max: 99, whole numbers)	HT236
34. 2	**How often do you drink <u>four</u> units or more on the same occasion?**		
	This element will only be displayed if "Yes" was selected in question 34. "Do you drink alcohol?" [Radio buttons]	1. Never 2. Less than once a month 3. 1-3 times a month 4. 1 time a week 5. 2 times a week 6. 3-4 times a week 7. 5-6 times a week 8. Every day	HT237

2. Description of original instrument: Q34+34.1: Formulated by researchers for the purpose of this MoBa questionnaire. Q34.1.1: Inspired by "Danskernes Sundhet – Den Nationale Sundhetsprofil". Q34.2: Question used in the DNBC-18 and DNBC-25 questionnaires. Changed from 5 to 4 units due to changes in the definition from Sundhetsstyrelsen in Denmark.

3. Rationale for choosing the questions: Questions were designed to assess the participants' current intake of caffeinated beverages and alcohol consumption. The questions have been developed in collaboration with the Danish National Birth Cohort (DNBC) and chosen specifically to harmonise between the DNBC and MoBa. All questions are "repeated" from the MoBa questionnaire "Ung helse 1/Young Health 1" to enable a long-term follow up.

4. Revision during the data collection period:
No revisions have been made.

15. Relationships

1. Name of original scale: MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
35	**Do you have a boyfriend, girlfriend, partner, or spouse?**		
	            [Radio buttons]	1. Yes, we are married and live together 2. Yes, we are married and do not live together 3. Yes, I have a romantic partner (boyfriend/girlfriend) and we live together 4. Yes, I have a romantic partner (boyfriend/girlfriend) and we do not live together 5. No 6. Don't know 7. I have one or several steady partners that I do not consider a romantic partner	HT238
35. 1	**Do you wish you had a boyfriend/girlfriend or partner?**		

	This element will only be displayed if "No", "Don't know", or "I have one or more steady partners that I do not consider a romantic partner" was selected in question 35. "Do you have a boyfriend, girlfriend, partner, or spouse?" *[Multiple choice]*	I don't want a partner right now	HT239
		I am looking for a partner	HT240
		I want a partner but am not actively looking	HT241
		Prefer not to answer	HT242
35.2	**How long have you been in a relationship with your boyfriend/girlfriend, partner, or spouse?**		
	This element will only be displayed if "Yes, (…)" was selected in question 35. "Do you have a boyfriend, girlfriend, partner, or spouse?" Select number of years: *[Pull down]*	1. 0 2. 1 3. 2 … 13. 12 14. More than 12 years	HT243
35..2.1	**And …**		
	This element will only be displayed if "0" to "12" was selected in question 35.1 "How long have you been in a relationship with your boyfriend/girlfriend, partner, or spouse?" Select number of months: *[Pull down]*	1. 0 2. 1 3. 2 … 12. 11 13. Don't remember	HT244
35.3	**How satisfied are you with your relationship with your boyfriend/girlfriend, partner, or spouse?**		
	This element will only be displayed if "Yes, (…)" was selected in question 35. "Do you have a boyfriend, girlfriend, partner, or spouse?" *On a scale from 0 to 10, where 0 means "not satisfied at all" and 10 means "very satisfied."* *[Linear scale]*	0-10 (Integer)	HT245
35.4	**Do you and your boyfriend/girlfriend, partner, or spouse discuss whether to have children, when to have children, and how many?**		
	This element will only be displayed if "Yes, (…)" was selected in question 35. "Do you have a boyfriend, girlfriend, partner, or spouse?" *[Radio buttons]*	1. We haven't discussed this yet 2. Yes, but rarely 3. Yes, sometimes 4. Yes, often 5. Yes, very often 6. Prefer not to answer	HT246
35.5	**In general, do you and your boyfriend/girlfriend, partner, or spouse agree on having children?**		
	This element will only be displayed if "Yes, (…)" was selected in question 35. "Do you have a boyfriend, girlfriend, partner, or spouse?" *[Radio buttons]*	1. No, we strongly disagree 2. No, we somewhat disagree 3. Yes, we partly agree 4. Yes, we strongly agree 5. Prefer not to answer	HT247

2. Description of original instrument: Q35, 35.2+35.2.1: Formulated by researchers for the purpose of this MoBa questionnaire. Q35.3: The question is based on the Generations and Gender Surveys (Gauthier et al. 2021) and the German panel survey PAIRFAM (Huinik et al. 2011). Q35.4+35.5: Formulated by researchers for the purpose of this questionnaire.

References: Gauthier, A. H., Kong, S., Grünwald, O., Bujard, M., Caporali, A., Deimantas, V. J., Emery, T., Jablonski, W., Koops, J., Rijken, A., & Schumann, A. (2023). "Data Brief: The Generations and Gender Survey second round (GGS-II)." GGP Technical Paper Series. https://doi.org/10.5281/zenodo.10220746.

Huinink, Johannes & Brüderl, Josef & Nauck, Bernhard & Walper, Sabine & Castiglioni, Laura & Feldhaus, Michael. (2011). Panel Analysis of Intimate Relationships and Family Dynamics

(PAIRFAM): Conceptual framework and design. Zeitschrift für Familienforschung. 23. 77-101. 10.20377/jfr-235.

3. **Rationale for choosing the questions:** Included to measure relationship status, duration, relationship satisfaction, and partner agreement/disagreement in relation family planning. The questions have been developed in collaboration with the Danish National Birth Cohort (DNBC) and chosen specifically to harmonise between the DNBC and MoBa. Questions 35, 35.2+35.2.1 are "repeated" from the MoBa questionnaire "Ung helse 1/Young Health 1" to enable a long-term follow up. In Q35, the answer category "I have one or several steady partners that I do not consider a romantic partner" was added for the purpose of this questionnaire (not included in Ung Helse 1/Young Health 1). Q35.4+53.5 were added as new questions in this questionnaire to supplement the Relationship topic with questions about partner agreement/disagreement in relation to family planning.

4. **Revision during the data collection period:**
No revisions have been made.

16. Contraception and pain

1. **Name of original scale:** MoBa specific questions, inspired by existing surveys, please see references under the table below.

Q		Response options	Variable name
36	**Are you currently using any hormonal contraception?** *You can select one or more options.*		
	This element will only be displayed if "Female" was selected in question 7. "What was your biological sex at birth?"	No, I am not using hormonal contraception	HT248
		Yes, birth control pills (combined pills)	HT249
		Yes, mini-pills (progestin-only)	HT250
		Yes, hormonal IUD	HT251
		Yes, contraceptive implant	HT252
		Yes, contraceptive injection	HT253
		Yes, contraceptive patch	HT254
		Yes, contraceptive ring	HT255
	[Multiple choice]	Other hormonal contraception	HT256
36.1	**Before you started using hormonal contraception, how many days were there usually between your periods?** *That means from the first day of one period to the first day of the next.*		
	This element will only be displayed if "Yes, (…)" or "Other hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?"	1. Fewer than 24 days 2. 24–27 days 3. 28–31 days 4. 32–35 days 5. More than 35 days 6. Don't know / don't remember 7. Too irregular to answer 8. Not relevant	HT257
	[Radio buttons]		
36.2	**Before you started using hormonal contraception, approximately how much did you bleed on the days with the heaviest flow during a regular menstruation?** *You can select one or more options.*		
	This element will only be displayed if "Yes, (…)" or "Other hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?"	Panty liners were enough	HT258
		Changed pad/tampon 5 or fewer times per day	HT259
		Changed pad/tampon between 6 and 9 times per day	HT260
		Needed 9 or more pads or tampons on the heaviest days	HT261
		Changed pad/tampon more often than every two hours	HT262
		Passed blood clots	HT263
		Often bled through pads or tampons	HT264
		Used both tampon and pad to avoid	HT265

		bleeding through	
		Got up at night to change pad or tampon	HT266
	[Multiple choice]	Blood often got on bed sheets even with protection	HT267
		Stayed home during menstruation due to fear of accidents	HT268
		Don't remember	HT269
		Not relevant	HT270
36.3	**Before you started using hormonal contraception, did you experience bleeding between periods?**		
	This element will only be displayed if "Yes, (…)" or "Other hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?" *[Radio buttons]*	1. Yes, usually 2. Yes, occasionally 3. No 4. Unsure 5. Not relevant	HT271
36.4	**Before you started using hormonal contraception, how strong were your menstrual pains?** *You can select one or more options.*		
	This element will only be displayed if "Yes, (…)" or "Other hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?"	I was in so much pain I was often bedridden	HT272
		I was in so much pain I had to miss normal daily activities (such as school/work/etc.)	HT273
		I was in pain but could still do normal daily activities	HT274
		Don't know	HT275
		Don't remember	HT276
	[Multiple choice]	Not relevant	HT277
36.5	**In the past 6 months, how many days are there usually between your periods?**		
	This element will only be displayed if "No, I am not using hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?" *Meaning from the first day of one period to the first day of the next.* *[Pull down]*	1. Less than 15 days 2. 15 days 3. 16 days … 72. 90 days 73. More than 90 days 74. Don't know 75. Not relevant	HT278
36.6	**Approximately how much do you bleed on your heaviest bleeding days?** *You can select one or more options.*		
	This element will only be displayed if "No, I am not using hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?"	Panty liners were enough	HT279
		Changed pad/tampon 5 or fewer times per day	HT280
		Changed pad/tampon between 6 and 9 times per day	HT281
		Needed 9 or more pads or tampons on the heaviest days	HT282
		Changed pad/tampon more often than every two hours	HT283
		Passed blood clots	HT284
		Often bled through pads or tampons	HT285
		Used both tampon and pad to avoid bleeding through	HT286
		Got up at night to change pad or tampon	HT287
		Blood often got on bed sheets even with protection	HT288
		Stayed home during menstruation due to fear of accidents	HT289
		Don't remember	HT290
	[Multiple choice]	Not relevant	HT291
36.7	**In the past 6 months, have you experienced bleeding between periods?**		
	This element will only be displayed if "No, I am not using hormonal contraception" was selected in question 36. "Are you currently using any hormonal	1. Yes, usually 2. Yes, occasionally 3. No	HT292

		4. Unsure	
		5. Not applicable	
	[Radio buttons]		
36.8	**How strong is your menstrual pain when you do not use pain medication?** *You can select one or more options.*		
	This element will only be displayed if "No, I am not using hormonal contraception" was selected in question 36. "Are you currently using any hormonal contraception?"	I was in so much pain I was often bedridden	HT293
		I was in so much pain I had to miss normal daily activities (such as school/work/etc.)	HT294
		I was in pain but could still do normal daily activities	HT295
		Don't know	HT296
	[Multiple choice]	Not relevant	HT297
37	**Have you experienced any of the following pains in the past 12 months?**		
	This element will only be displayed if "Female" was selected in question 7. "What was your biological sex at birth?"	Pain during sexual intercourse	HT298
		Pain related to bowel movements	HT299
		Lower abdominal pain	HT300
	[Multiple choice]	None of these	HT301
37.1	**Did/does the pain during intercourse follow a cyclical pattern?** *By cyclical, we mean that the pain occurs specifically in connection with, for example, menstruation or ovulation.* *You can select one or more options.*		
	This element will only be displayed if "Pain during sexual intercourse" was selected in question 37. "Have you experienced any of the following pains in the past 12 months?"	No, the pain varied but did not follow a cyclical pattern	HT302
		Yes, the pain occurred or worsened before my menstruation	HT303
		Yes, the pain occurred or worsened during my menstruation	HT304
		Yes, the pain occurred or worsened after my menstruation	HT305
		Yes, the pain occurred or worsened during ovulation	HT306
		The pain was constant	HT307
	[Multiple choice]	Don't know	HT308
37.2	**Did/does the pain related to bowel movements follow a cyclical pattern?** *By cyclical, we mean that the pain occurs specifically in connection with, for example, menstruation or ovulation.* *You can select one or more options.*		
	This element will only be displayed if "Pain related to bowel movements" was selected in question 37. "Have you experienced any of the following pains in the past 12 months?"	No, the pain varied but did not follow a cyclical pattern	HT309
		Yes, the pain occurred or worsened before my menstruation	HT310
		Yes, the pain occurred or worsened during my menstruation	HT311
		Yes, the pain occurred or worsened after my menstruation	HT312
		Yes, the pain occurred or worsened during ovulation	HT313
		The pain was constant	HT314
	[Multiple choice]	Don't know	HT315
37.3	**Did/does the lower abdominal pain follow a cyclical pattern?** *By cyclical, we mean that the pain occurs specifically in connection with, for example, menstruation or ovulation.* *You can select one or more options.*		
	This element will only be displayed if "Lower abdominal pain" was selected in question 37. "Have you experienced any of the following pains in the past 12 months?"	No, the pain varied but did not follow a cyclical pattern	HT316
		Yes, the pain occurred or worsened before my menstruation	HT317
		Yes, the pain occurred or worsened during my menstruation	HT318
		Yes, the pain occurred or worsened after my menstruation	HT319
		Yes, the pain occurred or worsened during ovulation	HT320
		The pain was constant	HT321
	[Multiple choice]	Don't know	HT322

2. Description of original instrument: Q36: Formulated by researchers for the purpose of this Moba questionnaire. The question is "repeated" from the MoBa Questionnaire "20+" (version B). Q36.1: Formulated by researchers for the purpose of this questionnaire. The guide on cycle length has been consulted (https://www.legeforeningen.no/foreningsledd/fagmed/norsk-gynekologisk-forening/veiledere/veileder-i-gynekologi/gynekologiske-blodningsforstyrrelser/) and the question is "repeated" from the MoBa questionnaire "Participant Q/Deltakerskjema" distributed in connection with the MoBa data collection "Unge kvinners helse og fruktbarhet". Q36.2: Formulated by researchers for the purpose of this MoBa questionnaire. Response options based on definition of heavy menstrual bleeding (https://www.helsebiblioteket.no/innhold/artikler/pasientinformasjon/menstruasjon-med-store-blodninger-menoragi) - Which is based on original brochure published by BMJ Publishing Group as part of the BMJ Best Practice. The question is "repeated" from the MoBa Questionnaire "20+" (version B). Q36.3: symptoms connected to PCOS and endometriosis (https://www.helsebiblioteket.no/innhold/artikler/pasientinformasjon/menstruasjon-med-store-blodninger-menoragi) and guide in gynecology, chapter on endometriosis (https://www.legeforeningen.no/contentassets/7064007622ad4343baa279b0c61500a3/pcos_2024.pdf) Q36.4, 36.5, 36.6, 36.7, 36.8: Formulated by researchers for the purpose of this Moba questionnaire. The questions are "repeated" from the MoBa Questionnaire "20+" (version B). Q37, 37.1, 37.2, 37.3 Formulated by researchers for the purpose of this MoBa questionnaire. Questions formulated in collaboration with the DNBC and Danish researcher Dorte Rytter has been consulted.

3. **Rationale for choosing the questions:** Included to capture data on contraception use, cyclic patterns and pains when respondents are not using hormonal contraception, and pain symptoms related to illnesses such as endometriosis.

4. Revision during the data collection period:
No revisions have been made.

17. Sexual activity and pregnancy

1. **Name of original scale:** MoBa specific questions

Q		Response options	Variable name
38	How often have you had sex with another person during the past 12 months?		
	[Radio buttons]	1. Never 2. Less than once a month 3. 1–5 times per month 4. 2–3 times per week 5. 4 or more times per week	HT323
38.1	How many people have you had sex with in the past 12 months?		
	This element will only be displayed if "Less than once a month", "1–5 times per month", "2–3 times per week", or "4 or more times per week" was selected in question 38. "How often have you had sex with another person during the past 12 months?" [Pull down]	1. 1 2. 2 3. 3 … 10. 10 11. More than 10	HT324
39	Have you been pregnant during the past year? Any current pregnancy is not included.		
	This element will only be displayed if "Female" was selected in question 7. "What was your biological sex at birth?" [Radio buttons]	1. Yes 2. No 3. Don't know 4. Prefer not to answer	HT325
39.	How many times have you been pregnant in the past year?		

1			
	This element will only be displayed if "Yes" was selected in question 39. "Have you been pregnant during the past year?" *Include all pregnancies, even those that ended in miscarriage or abortion. Do not include any current pregnancy.* *[Pull down]*	1. 1 2. 2 3. 3 – – 10. 10 11. More than 10	HT326
	First pregnancy		
39. 1.1	**In which week of pregnancy did the first pregnancy end?**		
	This element will only be displayed if "1", "2", "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Number box]*	(min: 0, max: 46, whole numbers)	HT327
39. 1.2	**How did your first pregnancy end?** Angi utfallet av graviditeten:		
	This element will only be displayed if "1", "2", "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" was selected in question 91.1. "How many times have you been pregnant?" *[Radio buttons]*	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT328
39. 1.2 .1	**In which year was the child from your first pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.2 "How did your first pregnancy end?" *[Number box]*	(min: 2010, max: 2023, whole numbers)	HT329
	Second pregnancy		
39. 1.3	**In which week of pregnancy did the second pregnancy end?**		
	This element will only be displayed if "2", "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Number box]*	(min: 0, max: 46, whole numbers)	HT330
39. 1.4	**How did your second pregnancy end?**		
	This element will only be displayed if "2", "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Radio buttons]*	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT331
39. 1.4 .1	**In which year was the child from your second pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.4 "How did your second pregnancy end?" *[Pull down]*	(min: 2010, max: 2023, whole numbers)	HT332
	Third pregnancy		
39. 1.5	**In which week of pregnancy did the third pregnancy end?**		
	This element will only be displayed if "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?"	(min: 0, max: 46, whole numbers)	HT333

	[Number box]		
39. 1.6	How did your third pregnancy end?		
	This element will only be displayed if "3", "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Radio buttons]	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT334
39. 1.6 .1	In which year was the child from your third pregnancy born?		
	This element will only be displayed if "Live birth" was selected in question 39.1.6 "How did your third pregnancy end?" [Pull down]	(min: 2010, max: 2023, whole numbers)	HT335
	Fourth pregnancy		
39. 1.7	In which week of pregnancy did the fourth pregnancy end?		
	This element will only be displayed if "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Number box]	(min: 0, max: 46, whole numbers)	HT336
39. 1.8	How did your fourth pregnancy end?		
	This element will only be displayed if "4", "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Radio buttons]	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT337
39. 1.8 .1	In which year was the child from your fourth pregnancy born?		
	This element will only be displayed if "Live birth" was selected in question 39.1.8 "How did your fourth pregnancy end?" [Pull down]	(min: 2010, max: 2023, whole numbers)	HT338
	Fifth pregnancy		
39. 1.9	In which week of pregnancy did the fifth pregnancy end?		
	This element will only be displayed if "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Number box]	(min: 0, max: 46, whole numbers)	HT339
39.1 .10	How did your fifth pregnancy end?		
	This element will only be displayed if "5", "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Radio buttons]	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT340
39.1 .10. 1	In which year was the child from your fifth pregnancy born?		
	This element will only be displayed if "Live birth" was selected in question 39.1.10 "How did your fifth pregnancy end?"	(min: 2010, max: 2023, whole numbers)	HT341

	[Pull down]		
	Sixth pregnancy		
39.1.11	**In which week of pregnancy did the sixth pregnancy end?**		
	This element will only be displayed if "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Number box]*	(min: 0, max: 46, whole numbers)	HT342
39.1.12	**How did your sixth pregnancy end?**		
	This element will only be displayed if "6", "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Radio buttons]*	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT343
39.1.12.1	**In which year was the child from your sixth pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.12 "How did your sixth pregnancy end?" *[Pull down]*	(min: 2010, max: 2023, whole numbers)	HT344
	Seventh pregnancy		
39.1.13	**In which week of pregnancy did the seventh pregnancy end?**		
	This element will only be displayed if "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Number box]*	(min: 0, max: 46, whole numbers)	HT345
39.1.14	**How did your seventh pregnancy end?**		
	This element will only be displayed if "7", "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Radio buttons]*	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT346
39.1.14.1	**In which year was the child from your seventh pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.14 "How did your seventh pregnancy end?" *[Pull down]*	(min: 2010, max: 2023, whole numbers)	HT347
	Eighth pregnancy		
39.1.15	**In which week of pregnancy did the eighth pregnancy end?**		
	This element will only be displayed if "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Number box]*	(min: 0, max: 46, whole numbers)	HT348
39.1.16	**How did your eighth pregnancy end?**		
	This element will only be displayed if "8", "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" *[Radio buttons]*	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT349
39.1.16.1	**In which year was the child from your eighth pregnancy born?**		
	This element will only be displayed if "Live birth"	(min: 2010, max: 2023, whole	HT350

	was selected in question 39.1.16 "How did your eighth pregnancy end?" [Pull down]	numbers)	
	Ninth pregnancy		
39.1.17	**In which week of pregnancy did the ninth pregnancy end?**		
	This element will only be displayed "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Number box]	(min: 0, max: 46, whole numbers)	HT351
39.1.18	**How did your ninth pregnancy end?**		
	This element will only be displayed if "9", "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Radio buttons]	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT352
39.1.18.1	**In which year was the child from your ninth pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.18 "How did your ninth pregnancy end?" [Pull down]	(min: 2010, max: 2023, whole numbers)	HT353
	Tenth pregnancy		
39.1.19	**In which week of pregnancy did the tenth pregnancy end?**		
	This element will only be displayed if "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Number box]	(min: 0, max: 46, whole numbers)	HT354
39.1.20	**How did your tenth pregnancy end?**		
	This element will only be displayed if "10" or "Over 10" selected in question 39.1 "How many times have you been pregnant in the past year?" [Radio buttons]	1. Live birth 2. Miscarriage 3. Induced abortion (elective) 4. Ectopic pregnancy 5. Stillbirth 6. Don't know / Prefer not to answer	HT355
39.1.20.1	**In which year was the child from your tenth pregnancy born?**		
	This element will only be displayed if "Live birth" was selected in question 39.1.20 "How did your tenth pregnancy end?" [Pull down]	(min: 2010, max: 2023, whole numbers)	HT356
40	**Have you made a woman pregnant in the past year?**		
	This element will only be displayed if "Male" was selected in question 7. "What was your biological sex at birth?" [Radio buttons]	1. Yes 2. No 3. Don't know 4. Prefer not to answer	HT357
40.1	**How many times have you made a woman pregnant in the past year?**		
	This element will only be displayed if "Yes" was selected in question 40. "Have you made a woman pregnant in the past year?" [Pull down]	1. 1 2. 2 3. 3 … 10. 10 11. More than 10	HT358
41	**Do you have a partner who is currently pregnant?**		
		1. Yes 2. No	HT359

		3. Don't know 4. Prefer not to answer 5. Not applicable	
42	**Are you currently pregnant or planning to become pregnant within the next year?**		
	This element will only be displayed if "Female" was selected in question 7. "What was your biological sex at birth?" *[Radio buttons]*	1. I am currently pregnant and plan to carry the pregnancy to term 2. I am currently pregnant, but unsure whether I will carry the pregnancy to term 3. I am currently pregnant, but I do not plan to carry the pregnancy to term 4. I plan to become pregnant within the next year 5. None of these 6. Prefer not to answer	HT360

2. Description of original instrument: Q38, 39, 40, including all sub-questions/dependences: Formulated by researchers for the purpose of this MoBa questionnaire. The questions mapping number of pregnancies (for women) and whether a man has made a woman pregnant are "repeated" from the MoBa questionnaire Ung Helse 1/Young Health 1 to enable a follow-up, however the formulation of the question has been changed to "in the last year", as the respondents replying to this current questionnaire responded to the Young Health 1 one year ago. Q 42: formulated by researchers for the purpose of this MoBa questionnaire.

3. Rationale for choosing the questions: Q38, 39, 49, including all sub questions included to capture data about the sexual activity and pregnancies. Q42 included to capture whether the respondents (female) are pregnant or planning to become pregnant within the next year. The respondents replying that they are pregnant are "automatically" provided with a link to another MoBa questionnaire relevant for the current pregnancy: "Helse og Svangerskap"/"Health in Pregnancy", which they respond to straight away. If the female respondent is planning to become pregnant in the next year, she is provided with information about the MoBa data collection "Nytt Liv"/The MoBa pregnancy planner (https://www.fhi.no/op/studier/moba/undersokelser/nyttliv/) and will at a later point receive an invitation to participate in this data collection.

4. Revision during the data collection period:
No revisions have been made.