

Questions documentation

19-years Education Questionnaire

The Norwegian Mother and Child Cohort Study (MoBa)

Recipients: 2. generation MoBa participants, 19-year-olds

Version	Date	Performed by	Description
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General information

There are two versions of the questionnaire, A and B.

This instrument documentation was written based on version B of the questionnaire.

Physical measures

Q		Response options	Variable name
1	What biological sex were you born with?		
B	<i>[Radio buttons]</i>	1. Male 2. Female	VG137
2	How tall are you? <i>Give your answer in centimeters</i>		
B & A (13 in A)		Number box. Whole number 50-250	VG134
3	What is your weight? <i>Without clothes and shoes. Enter your answer in kilograms:</i>		
B & A (14 in A)		Number box. Whole number 20-500	VG135

- Name of original instrument/question:** MoBa specific questions
- Description of original scale or selection of items used:** MoBa specific question
- Rationale for choosing the questions:** Q1 included in order to filter questions to respondents based on their assigned sex at birth. Q2+3 included in order to enable BMI calculations for the respondents.
- Revision during the data collection period:**
Order of questions. Question 1 about biological sex added in version B.

Puberty (male)

1. Name of original scale: MoBa specific questions

4	Compared to others your age, when did you hit puberty? <i>First signs like the testicles starting to grow and pubic hair starting to appear</i>		
B	Based on Q1: If "Male" was selected This element will only be displayed if the option "Male" was selected in question 1, "What biological sex were you born with?" [Radio buttons]	<ol style="list-style-type: none"> 1. Earlier than my peers 2. Approximately at the same time as my peers 3. Later than my peers 4. Don't know 	VG138
5	How old were you when you had your first ejaculation? <i>Select age in years:</i>		
B	This element will only be displayed if the option "Male" was selected in question 1, "What biological sex were you born with?" [Drop-down list]	<ol style="list-style-type: none"> 1. Under 8 years 2. 8 years 3. 9 years ... 19. 25 years 20. Don't remember 21. Haven't had it 	VG139
5.1	And ... <i>Select age in months:</i>		
B	This element will only be displayed if any of the options 2-19 was selected in question 5, "How old were you when you had your first ejaculation?" [Drop-down list]	<ol style="list-style-type: none"> 1. 1 month 2. 2 months 3. 3 months ... 10. 10 months 11. 11 months 12. Don't remember 	VG140
6	How old were you when you changed your voice?		
B	This element will only be displayed if the option "Male" was selected in question 1, "What biological sex were you born with?" [Drop-down list]	<ol style="list-style-type: none"> 1. Under 8 years 2. 8 years 3. 9 years ... 19. 25 years 20. Don't remember 21. Haven't gone through voice change yet 	VG141
6.1			
B	This element will only be displayed if any of the options 2-19 was selected in question 5, "How old were you when you changed your voice?" [Drop-down list]	<ol style="list-style-type: none"> 1. 1 month 2. 2 months 3. 3 months ... 10. 10 months 11. 11 months 12. Don't remember 	VG142

2. Description of original instrument: Questions are inspired by the Danish National Birth Cohort Puberty Study.

3. Rationale for choosing the questions: Included in order to capture retrospective data on puberty from the 2nd generation MoBa participants.

4. Revision during the data collection period:

Only in version B. Added questions about puberty (males). Due to an error (number of months was not an available option) in the question about the timing of ejaculation in the MoBa questionnaire Ung Helse version A, this group of questions on male puberty was included in the 19-year-old Questionnaire.

Puberty (female)

1. Name of original scale: MoBa specific questions

7	How old were you when you got your first menstruation? <i>Select age in years:</i>		
B	<i>This element will only be displayed if the option "Female" was selected in question 1, "What biological sex were you born with?"</i> <i>[Drop-down list]</i>	1. Under 10 years 2. 10 years 3. 11 years ... 17. 25 years 18. Don't remember 19. Haven't had it	VG143
7.1	And... <i>Select age in months:</i>		
B	<i>This element will only be displayed if any of the options 2-17 was selected in question 7, "How old were you when you got your first menstruation?"</i> <i>[Drop-down list]</i>	1. 1 2. 2 3. 3 ... 10. 10 11. 11 12. Don't remember	VG144
8	Compared to others your age, when did you get the first signs of puberty? First signs such as breasts starting to grow and hints of pubic hair		
B	<i>This element will only be displayed if the option "Female" was selected in question 1, "What biological sex were you born with?"</i> <i>[Radio buttons]</i>	1. Earlier than my peers 2. Approximately at the same time as my peers 3. Later than my peers 4. Don't know	VG145

2. Description of original instrument: Questions are inspired by the Danish National Birth Cohort Puberty Study.

3. Rationale for choosing the questions: Included in order to capture retrospective data on puberty from the 2nd generation MoBa participants.

4. Revision during the data collection period:

Only in version B. Added questions about puberty (females). Due to an error (number of months was not an available option) in the question about menstrual timing in the MoBa questionnaire Ung Helse version A, this group of questions on female puberty was included in the 19-year-old Questionnaire.

Current activities, income and living situation

1. Name of original scale:

Q		Response options	Variable name
9	What do you usually do? <i>You can select one or more options.</i>		
B & A (1 in A)	<i>[Multiple choice]</i> <i>(1 if selected, otherwise null)</i>	Attending upper secondary school	VG13
		Student	VG14
		Vocational training or apprenticeship	VG15
		Military service	VG16
		Folk high school	VG17
		Year off	VG18
		Job seeking/temporarily laid off	VG19
		On sick leave/disability pension/leave-to-job support	VG20
		Employed in private sector	VG21
		Employed in public sector	VG22
		Self-employed	VG23
		Freelance	VG24
		Other	VG25
10	How many hours do you spend at school or studying per week? <i>Include all time spent on teaching + time on homework/self-study. Enter an integer (not a decimal number)</i>		
B & A		Number box. Whole number 0-150	VG30
11	Have you been in paid employment during the past year?		
B & A (2 in A)	<i>[Radio buttons]</i>	1. Yes 2. No	VG26
11.1.1	How many hours do you work on average per week? <i>Enter an integer (not a decimal number)</i>		
B & A	<i>This element will only be displayed if option "Yes", was selected in question "Have you been in paid employment during the past year?"</i>	Number box. Whole number 0-150	VG27
11.2.1	Do you have working hours outside normal daytime hours - do you work evenings (18-21) or nights (21-06)?		
B & A	<i>This element will only be displayed if option "Yes", was selected in question "Have you been in paid employment during the past year?"</i> <i>[Radio buttons]</i>	1. Yes, nights 2. Yes, evenings 3. Yes, both 4. No	VG28
11.2.1.1	How many nights a month do you work at night on average?		
B	<i>This element will only be displayed if option "Yes, nights" or "Yes, both", was selected in question 11.2 "Do you have working hours outside normal daytime hours - do you work evenings (18-21) or nights (21-06)?"</i>	<i>[Drop-down list]</i> 1. 0 2. 1 3. 2 ... 30. 29	VG150
A	<i>This element will only be displayed if option "Yes", was selected in question "Do you have working hours outside normal daytime hours"</i>	31. 30 32. 31	VG29

	- do you work evenings (18-21) or nights (21-06)?”		
12 (4 in A)	Where does your income come from? <i>Select one or more options.</i>		
B & A	[Multiple choice]	Student loans and grants for living expenses (excluding school fees)	VG31
		Financial help from parents/family	VG32
		Work or other commercial activity	VG33
		Other	VG34
12.1.1	How much do you expect to receive from student loans and grants for living expenses (excluding school fees)? <i>Enter your income before tax and deductions. Enter a number between 0 and 1,000,000. If your income exceeds NOK. 1,000,000, enter 1,000,000.</i>		
B	<i>This element will only be displayed if “Student loans and grants for living expenses (excluding tuition fees)” was selected in question “Where does your income come from?”</i>	[Number box] Whole number 0-1.000.000	VG146
A		[Text box]	VG36
12.2.1	How much do you expect to receive from parents/family? <i>Enter your income before tax and deductions. Enter a number between 0 and 1,000,000. If your income exceeds NOK. 1,000,000, enter 1,000,000.</i>		
B	<i>This element will only be displayed if “Financial help from parents/family” was selected in question “Where does your income come from?”</i>	[Number box] Whole number 0-1.000.000	VG147
A		[Text box]	VG37
12.3.1	How much do you expect to receive from work or other commercial activity? <i>Enter your income before tax and deductions. Enter a number between 0 and 1,000,000. If your income exceeds NOK. 1,000,000, enter 1,000,000.</i>		
B	<i>This element will only be displayed if “Work or other commercial activity” was selected in question “Where does your income come from?”</i>	[Number box] Whole number 0-1.000.000	VG148
A		[Text box]	VG38
12.4.1	If you ticked “Other”, describe briefly where your income comes from		
B & A	<i>This element will only be displayed if “Other” was selected in question “Where does your income come from?”</i>	[Text box]	VG35
12.5.1	How much do you expect to receive from other sources? <i>Enter your income before tax and deductions. Enter a number between 0 and 1,000,000. If your income exceeds NOK. 1,000,000, enter 1,000,000.</i>		
B	<i>This element will only be displayed if “Other” was selected in question “Where does your income come from?”</i>	[Number box] Whole number 0-1.000.000	VG149
A		[Text box]	VG39
13 (5 in A)	What is your current living situation? <i>Select one or more options.</i>		
	[Multiple choice]	I live alone	VG40
		I live with partner/spouse	VG41
		I live with one or two parents / step parents	VG42
		I live with siblings / half-siblings / step siblings	VG43

		I live with friends / collective / barracks	VG44
		I live with my own children	VG45
		I live with other people's children	VG46
		I live with people other than those mentioned above	VG47

2. **Description of original instrument:** These questions describe the current situation of the participants, their occupation, financial situation, and housing. Question 1 and 13 are taken from the MoBa 18 questionnaire.

3. **Rationale for choosing the questions:** To understand the current situation of the respondents.

4. **Revision during the data collection period:**

Q11= old q2

Q10= old q3

Q12= old q4

Q13= old q5

Education

1. Name of original scale:

Q		Response options	Variable name
14	If you have attended upper secondary school, which education programme was the first you started on?		
B & A (6 in A)	[Radio buttons]	1. Have not attended upper secondary school 2. Building and construction 3. Electrical engineering and computer technology 4. Hairdressing, floral, interior and retail design 5. Crafts, design, and product development 6. Healthcare, childhood and youth development 7. Information technology and media production 8. Agriculture, fishing and forestry 9. Restaurant and food processing 10. Sales, service and tourism 11. Technology and industrial production 12. Sports and physical education 13. Art, design and architecture 14. Media and communication 15. Music, dance and drama 16. Specialization in general studies 17. Other	VG48
14.1	When did you first start upper secondary school?		
B	<i>This element will only be displayed if any of options 2-17 are selected in question "If you have attended upper secondary school, which education programme was the first you started on?".</i>	1. 2020 2. 2021 3. 2022 4. 2023 5. 2024 6. 2025 7. 2026 8. 2027 9. 2028	VG151
A (6.1)	[Drop-down list]	1. 2014 2. 2015 3. 2016 ... 13. 2026 14. 2027 15. 2028	VG49
14.2	Have you completed upper secondary education with a study qualification and/or professional or apprentice certificate? Regardless of which education program you chose		
B	<i>This element will only be displayed if any of options 2-17 are selected in question 14 "If you have attended upper secondary school, which education programme was the first you started on?".</i> [Radio buttons]	1. Yes 2. No	VG152
14.2.1	Why haven't you finished upper secondary education? <i>You can select one or more options.</i>		
B	<i>This element will only be displayed if "No" was selected for Q14.2 "Have you completed upper secondary</i>	I am still in upper secondary education (school or apprenticeship)	VG153
	<i>completed upper secondary</i>	I got bored / lacked motivation	VG154

	<p><i>education with a study qualification and/or professional or apprentice certificate?"</i></p> <p><i>[Multiple choice]</i></p>	I made the wrong choice or became uncertain about my choice	VG155
		I was not accepted to the educational programme that I wanted	VG156
		I was not accepted into the school I wanted	VG157
		I did not get an apprenticeship	VG158
		I was temporarily laid off from the apprenticeship	VG159
		I lost my apprenticeship / I was dismissed	VG160
		I felt that I did not master the subjects at school	VG161
		I did not feel at ease in the social environment in school	VG162
		I did not master the job as an apprentice	VG163
		I did not feel at ease in the company as an apprentice	VG164
		I did not master home schooling / homework during the Corona pandemic / strike	VG165
		I received a grade 1 / failed in one or more subjects / exam	VG166
		My undocumented absence was too high	VG167
		I did not receive a grade in one or more subjects due to a lack of basis for assessment	VG168
		I wanted to work instead	VG169
		I wanted to attend a folk high school instead	VG170
		I wanted to take a year off school/work	VG171
		I became physically ill	VG172
		I had mental health difficulties	VG173
		I had substance abuse problems	VG174
		I experienced problems in my family	VG175
		I had a child	VG176
		I don't know	VG177
		Other	VG178
A (7.2)	<p><i>This element will only be displayed if at least one of options 1-5 or 12 are selected in question, "Which education levels have you completed, as in passed with at least 2 as a grade in all subjects?"</i></p> <p><i>[Multiple choice]</i></p>	I am still in upper secondary education (school or apprenticeship)	VG63
		I got bored / lacked motivation	VG64
		I made the wrong choice or became uncertain about my choice	VG65
		I was not accepted to the educational programme that I wanted	VG66
		I was not accepted into the school I wanted	VG67
		I did not get an apprenticeship	VG68
		I was temporarily laid off from the apprenticeship	VG69
		I lost my apprenticeship / I was dismissed	VG70
		I felt that I did not master the subjects at school	VG71
		I did not feel at ease in the social environment in school	VG72
		I did not master the job as an apprentice	VG73
		I did not feel at ease in the company as an apprentice	VG74
		I did not master home schooling / homework during the Corona pandemic / strike	VG75
		I received a grade 1 / failed in one or more subjects / exam	VG76
		My undocumented absence was too high	VG77
		I did not receive a grade in one or more subjects due to a lack of basis for assessment	VG78
		I wanted to work instead	VG79
		I wanted to attend a folk high school instead	VG80
		I wanted to take a year off school/work	VG81
		I became physically ill	VG82

		I had mental health difficulties	VG83
		I had substance abuse problems	VG84
		I experienced problems in my family	VG85
		I had a child	VG86
		I don't know	VG87
		Other	VG88
14.3.1	If you chose "Other", please specify:		
B	<i>This element will only be displayed if option "Other" has been selected for question 14.2.1 "Why haven't you finished upper secondary education?"</i>	[Text box]	VG179
A (7.2.1)	<i>This element will only be displayed if "Other" is selected in question, "Why haven't you finished upper secondary education?"</i>	[Text box]	VG89
15	Which education levels have you completed, as in passed with at least 2/E/passed as a grade in all subjects? Remember to tick all educational levels you have completed, even if you have also completed a higher level.		
B & A (7 in A)	[Multiple choice]	Lower secondary school (also tick if you had grade 1 in one or more subjects)	VG50
		1 st year upper secondary / basic upper secondary education (vocational)	VG51
		1 st year upper secondary (general studies)	VG52
		2 nd year upper secondary (vocational)	VG53
		2 nd year upper secondary (general studies)	VG54
		Trade or journeyman's certificate (vocational)	VG55
		3 rd year upper secondary (general studies)	VG56
		Supplementary programme for general university admission certificate	VG57
		Vocational college degree / Master certificate	VG58
		University college/university degree 4 years or less (Bachelor's degree)	VG59
		University college/university degree more than 4 years (Master's degree)	VG60
		Other	VG61
15.1.1	If you chose "Other", please specify:		
B & A (7.1 in A)	<i>This element will only be displayed if option "Other" has been selected for question 15 "Which education levels have you completed, as in passed with at least 2/E/passed as a grade in all subjects?"</i>	[Text box]	VG62
15.2.1	How many GPA points did you receive in lower secondary education? GPA points = grade point average times 10		
B & A (7.3 in A)	[Radio buttons]	1. 10-14 points (GPA 1,0-1,4) 2. 15-19 points (GPA 1,5-1,9) 3. 20-24 points (GPA 2,0-2,4) 4. 25-29 points (GPA 2,5-2,9) 5. 30-34 points (GPA 3,0-3,4) 6. 35-39 points (GPA 3,5-3,9) 7. 40-44 points (GPA 4,0-4,4) 8. 45-49 points (GPA 4,5-4,9) 9. 50-54 points (GPA 5,0-5,4) 10. 55-60 points (GPA 5,5-6,0)	VG90

		11. I don't know 12. I did not get education points	
15.3.1	In which education programme did you achieve higher education entrance qualification?		
B & A (7.4 in A)	<i>This element will only be displayed if at least one of options "3rd year upper secondary (general studies)", "Supplementary programme for general university admission certificate", "University college/university degree 4 years or less (Bachelor's degree)" or "University college/university degree more than 4 years (Master's degree)" was selected for Q15 "Which education levels have you completed, as in passed with at least 2/E/passed as a grade in all subjects?"</i> [Radio buttons]	<ol style="list-style-type: none"> 1. Sports and physical education 2. Art, design and architecture 3. Media and communication 4. Music, dance and drama 5. Specialization in general studies 6. Supplementary programme for general university admissions certification 7. Other 	VG91
15.3.1.1	If you chose "Other", please specify:		
B & A (7.4.1 in A)	<i>This element will only be displayed if option 7, "Other", is selected in response to question 15.3, "In which education programme did you achieve Higher Education Entrance Qualification?"</i>	[Text box]	VG92
15.4.1	How many grade points did you have on your first certificate (primary certificate) from upper secondary school? <i>Grade point average times 10, without language and science credits</i>		
B & A (7.5 in A)	<i>This element will only be displayed if at least one of options "3rd year upper secondary (general studies)", "Supplementary programme for general university admission certificate", "University college/university degree 4 years or less (Bachelor's degree)" or "University college/university degree more than 4 years (Master's degree)" was selected for Q15 "Which education levels have you completed, as in passed with at least 2/E/passed as a grade in all subjects?"</i> [Radio buttons]	<ol style="list-style-type: none"> 1. 10-14 points (GPA 1.0-1.4) 2. 15-19 points (GPA 1.5-1.9) 3. 20-24 points (GPA 2.0-2.4) 4. 25-29 points (GPA 2.5-2.9) 5. 30-34 points (GPA 3.0-3.4) 6. 35-39 points (GPA 3.5-3.9) 7. 40-44 points (GPA 4.0-4.4) 8. 45-49 points (GPA 4.5-4.9) 9. 50-54 points (GPA 5.0-5.4) 10. 55-60 points (GPA 5.5-6.0) 11. I don't know 12. I did not get primary certificate 	VG93
15.5.1	What was your grade point average on your certificate of competence for 2nd year upper secondary (vocational)?		
B & A (7.6 in A)	<i>This element will only be displayed if the option "2nd year upper secondary (vocational)" is selected in question 15, "Which education</i>	<ol style="list-style-type: none"> 1. 1.0-1.4 2. 1.5-1.9 3. 2.0-2.4 4. 2.5-2.9 5. 3.0-3.4 	VG94

	<i>levels have you completed, as in passed with at least 2 as a grade in all subjects?”.</i> <i>[Radio buttons]</i>	6. 3.5-3.9 7. 4.0-4.4 8. 4.5-4.9 9. 5.0-5.4 10. 5.5-6.0 11. I don’t know 12. I did not get a certificate of competence	
15.6.1	Within which education programme did you complete 2nd year upper secondary school?		
B & A (7.7 in A)	<i>This element will only be displayed if the option “2nd year upper secondary (vocational)” was selected in question 15, “Which education levels have you completed, as in passed with at least 2 as a grade in all subjects?”.</i> <i>[Radio buttons]</i>	1. Building and construction 2. Electrical engineering and computer technology 3. Hairdressing, floral, interior, and retail design 4. Crafts, design, and product development 5. Healthcare, childhood and youth development 6. Information technology and media production 7. Agriculture, fishing and forestry (with option to complete supplementary programme for general university admission) 8. Restaurant and food processing 9. Sales, service and tourism 10. Technology and industrial production 11. Other	VG95
15.6.1.1	If you chose “Other”, please specify:		
B & A (7.7.1 in A)	<i>This element will only be displayed if the option “Other” was selected in question 15.6.1, “Within which education programme did you complete 2nd year upper secondary school?”.</i>	[Text box]	VG96

2. Description of original instrument:

This module records information on education and grades, enabling the use of MoBa for education-related studies without obtaining a linkage to administrative records. Question 14 is developed by MoBa researchers. The response categories are based on a study using qualitative interviews by Markussen and Grøgaard (2020). They identified 13 reasons for early dropout of upper secondary school which they divided into school-internal explanations, school-external explanations, and explanations that could be in either category. Further explanations have been added to capture dropout from non-school parts of upper secondary education, new attendance rules, and new conditions such as the Corona pandemic and home schooling.

3. Rationale for choosing the questions: To be able to use MoBa for education-related studies without obtaining a linkage to administrative records. Questions on reasons for not completing school is of particular interest to Norwegian education authorities and cannot be found elsewhere.

4. Revision during the data collection period:

Q14= old q6

Q14.1: Response options 2014-2019 removed.

Added q14.2

Q14.2.1 = old 7.2 There was a mistake in the dependency of Q14.2.1 in version A (then Q7.2). This led to the question being asked to several respondents who had completed upper secondary education. This has been corrected in the current version.

For Q15 “Which education levels have you completed, as in passed with at least 2/E/passed as a grade in all subjects?” “E/passed” was added in version B. In version B question was “Which education levels have you completed, as in passed with at least 2 as a grade in all subjects?”

Reference:

Markussen, E., & Grøgaard, J. (2020). "Gjennom tre år i videregående: Gjennomføring i videregående opplæring i Østfold 2016–2019. Sluttrapport [Through three years in upper secondary school: Completion of upper secondary education in Østfold county 2016-2019. Final report]". NIFU report 2020:3. Oslo: Nordic Institute for Studies of Innovation, Research and Education. URL: <https://hdl.handle.net/11250/2658313> [accessed 17.07.2023].

Aspirations

1. Name of original scale:

Q		Response options	Variable name
16	Which levels of education do you expect to complete?		
B	Remember to tick all educational levels you plan to complete, even if you also plan to complete a higher level		
A (8 in A)	You can select one or more options.		
	[Multiple choice]	Lower secondary education or no planned education	VG97
		Basic upper secondary competence (vocational training candidate)	VG98
		Trade or journeyman’s certificate (vocational)	VG99
		Higher Education Entrance Qualification (general studies or supplementary programme)	VG100
		Vocational college degree / Master certificate	VG101
		University college/university degree 4 years or less (e.g. Bachelor's degree)	VG102
		University college/university degree more than 4 years (e.g. Master's degree)	VG103
		Other	VG104
		I don’t know	VG105
17	Which occupation do you wish to have when you are 40 years old?		
B & A (9 in A)		[Text box]	VG106
18	Which occupation do you think it is most likely that you have when you are 40 years old? Even if you are not sure, write what you believe or guess		
B & A (10 in A)	[Radio buttons]	1. Same as desired 2. Other	VG107
18.1	If you chose “Other”, please specify:		
B & A (10.1 in A)	This element will only be displayed if option 2, “Other”, is selected in question 18, “Which occupation do you think it is most likely that you have when you are 40 years old?”	[Text box]	VG108

2. **Description of original instrument:** Question 16 is taken from the 2018 PISA student questionnaire (OECD, 2017). Questions 17 and 18 are from the Young in Norway survey (Strand & von Soest, 2021). It was first used by Storvoll & Wichstrøm (2002). Question 18 also resembles a question in the 2018 PISA student questionnaire, «What kind of job do you expect to have when you are about 30 years old?»

3. **Rationale for choosing the questions:** Young people's aspirations shape their education and career choices and fertility intentions and are therefore of interest to the researchers.

4. Revision during the data collection period:

The additional text of question 16 has been changed from "You can select one or more options." in version A to "Remember to tick all educational levels you plan to complete, even if you also plan to complete a higher level" in version B. This revision impacted the distribution of responses between version A and B, but the variable name is the same across version A and B. No other revisions have been made.

References:

OECD (2017). "Student questionnaire for PISA 2018. Main Survey version". Paris: Organisation for Economic Co-operation and Development. URL: https://www.oecd.org/pisa/data/2018database/CY7_201710_QST_MS_STQ_NoNotes_final.pdf [accessed 17.07.2023].

Storvoll, E. E., & Wichstrøm, L. (2002). "Do the risk factors associated with conduct problems in adolescents vary according to gender?" *Journal of Adolescence*, 25(2), 183-202. URL: <https://doi.org/10.1006/jado.2002.0460>

Strand, N. P. & von Soest, T. (2021). "Young in Norway – Longitudinal: Documentation of Design, Variables, and Scales." Oslo: NOVA Norwegian Social Research.

Career choice

1. Name of original scale:

Q		Response options	Variable name
19 (11 in A)	We are interested in what is important for your career choice. How important are these conditions to your choice?		
19.1	Good pay	[Radio buttons] 1. Not at all important 2. Somewhat important 3. Quite important 4. Very important 5. Don't know	VG109
19.2	Possibility to take time off when I want		VG110
19.3	A secure job with little chance of being laid off		VG111
19.4	Good chances for career development		VG112
19.5	Chances to be helpful to others or useful to society		VG113
19.6	Chances to work with people		VG114
19.7	Chances to make my own decisions at work		VG115
19.8	A profession with a lot of responsibility		VG116
19.9	A profession where I get to use my abilities		VG117
19.10	A profession that is highly respected by others		VG118
19.11	Chances to learn a lot of new things at work		VG119
19.12	A job that can be combined with a good family life		VG120

2. **Description of original instrument:** This instrument is a modified version of a repeated module in the Youth Development Study, originally asked in the child survey of the study's 2nd wave in 1989 and repeated several times until the 3rd wave of the 2nd generation child survey in 2011 (Mortimer, 2011a, b).
3. **Rationale for choosing the questions:** The purpose of the instrument is to compare the importance of several factors that are important for career choices in early adulthood. In particular, the researchers are interested in the extent to which young people take prospective family life into consideration when choosing careers.
4. **Modifications:** The original question was "When you finish school, how important would each of the following be when you are looking for a full-time job?". We changed the wording to focus on career choice. Statement 2 was change from "time off when I need it". In statement 3, "steady job" was changed to "secure job", and otherwise it was kept equal. Statement 3 was changed from "Good chances of getting ahead". Statements 5-7 and 11 were changed from singular to plural. Statement 6 was changed from "A chance to work with people rather than things." One item, "a job that is easy", was dropped. "A job..." was changed to "A profession..." in statements 8-10. Statement 12 was added. It measures similar values as two statements that were added to later versions of the original instrument, "a supervisor (co-workers) who is (are) supportive of my personal life or family responsibilities."
5. **Revision during the data collection period:**
No revisions have been made.

References:

Mortimer, J. T. (2011a). "Youth Development Study, 1988-2011 [St. Paul, Minnesota]. Data Collection Instrument for Part 4, G2, Wave 2 (1989)". ICPSR 24881. Ann Arbor: Inter-university Consortium for Political and Social Research. URL: <https://www.icpsr.umich.edu/web/ICPSR/studies/24881> [accessed 17.07.2023].

Mortimer, J. T. (2011b). "Youth Development Study, 1988-2011 [St. Paul, Minnesota]. ICPSR Codebook for Part 39, G3, Wave 3 (2011): Main File". ICPSR 24881. Ann Arbor: Inter-university Consortium for

Political and Social Research. URL: <https://www.icpsr.umich.edu/web/ICPSR/studies/24881>
[accessed 17.07.2023].

Global uncertainty

1. Name of original scale:

Q		Response options	Variable name
20	When you think about the future, how much does the following worry you?		
20.1	Terrorism/terrorist attacks	<i>[Radio buttons]</i> 1. Very worrying 2. Somewhat worrying 3. Not particularly worrying 4. Not at all worrying 5. Don't know	VG121
20.2	Climate change		VG122
20.3	Overpopulation		VG123
20.4	Economic crises		VG124
20.5	Increased number of refugees		VG125
20.6	High unemployment		VG126
20.7	Organized crime		VG127
20.8	Military conflicts		VG128
20.9	Global epidemics		VG129
20.10	Weakened democracy		VG130
20.11	Increased social differences		VG131
20.12	Political extremism		VG132
20.13	Prospects of future generations		VG133

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).

3. Rationale for choosing the questions: The module was developed to understand how global uncertainties affect fertility decisions and behaviour, which is also the core interest of the researchers.

4. Revision during the data collection period:

No revisions have been made.

References:

- Andersson, G., Dahlberg, J., & Neyer, G. (2020). "New sub-module on Uncertainties and resilience in the Swedish GGS2020". Technical working paper. The Hague: Netherlands Interdisciplinary Demographic Institute.
- Dommermuth, L. & Lappegård, T. (2021). "The Norwegian Generations and Gender Survey, Round 2 - Wave 1 (2020). Documentation of the data collection process." Technical working paper. The Hague: Netherlands Interdisciplinary Demographic Institute.

Life nowadays

1. Name of original scale:

Q		Response options	Variable name
21	Below is a scale from 0 to 10, where 0 is the worst possible life for you and 10 is the best. Where do you think you stand on this scale at the moment?		
		Linear scale: 0-10	VG180

2. Description of original instrument: The Cantril Self-Anchoring Striving Scale (CSASS)

3. Rationale for choosing the questions: CSASS is a validated instrument used to measure peoples- attitudes towards their life.

4. Revision during the data collection period:

New question added to version B.

Pregnancy

1. Name of original scale:

Q		Response options	Variable name
22	Are you currently pregnant?		
	<i>This element will only be displayed if the option "Female" was selected in question 1, "What biological sex were you born with?"</i> <i>[Radio buttons]</i>	1. Yes 2. No 3. Unsure 4. Do not wish to answer	VG181
22.1	Are you planning to carry out the pregnancy?		
	<i>This element will only be displayed if the option "Yes" or "Not sure" was selected in question 22, "Are you currently pregnant?"</i> <i>[Radio buttons]</i>	1. Yes 2. No 3. Unsure 4. Do not wish to answer	VG182

2. Description of original instrument: MoBa specific questions

3. Rationale for choosing the questions: Questions are included in order to recruit respondents to the MoBa pregnancy questionnaire for 2nd generation participants called "Helse og svangerskap" (Health in Pregnancy)

4. Revision during the data collection period:

New questions added to version B.