

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
Sociodemographic economic characteristics-Ethnicity			
SDC_EB_ABORIGINAL	Participant's ethnic background is Aboriginal (e.g. First Nations, Metis, Inuit).	Participant has Aboriginal (e.g. First Nations, Metis, Inuit) ethnic background.	1. Aboriginal (e.g. First Nations, Metis, Inuit) 0. Not aboriginal (e.g. First Nations, Metis, Inuit)
SDC_EB_ARAB	Participant's ethnic background is Arab (e.g. Egypt, Iraq, Jordan, Lebanon).	Participant has Arab (e.g. Egypt, Iraq, Jordan, Lebanon) ethnic background.	1. Arab (e.g. Egypt, Iraq, Jordan, Lebanon) 0. Not arab (e.g. Egypt, Iraq, Jordan, Lebanon)
SDC_EB_BLACK	Participant's ethnic background is Black (African or Caribbean descent).	Participant has Black (African or Caribbean descent) ethnic background.	1. Black (African or Caribbean descent) 0. Not black (African or Caribbean descent)
SDC_EB_E_ASIAN	Participant's ethnic background is East Asian (e.g. China, Japan, Korea, Taiwan).	Participant has East Asian (e.g. China, Japan, Korea, Taiwan) ethnic background.	1. East Asian (e.g. China, Japan, Korea, Taiwan) 0. Not East Asian (e.g. China, Japan, Korea, Taiwan)
SDC_EB_FILIPINO	Participant's ethnic background is Filipino.	Participant has Filipino ethnic background.	1. Filipino 0. Not Filipino
SDC_EB_JEWISH	Participant's ethnic background is Jewish.	Participant has Jewish ethnic background.	1. Jewish 0. Not Jewish
SDC_EB_LATIN	Participant's ethnic background is Latin American/Hispanic).	Participant has Latin American/Hispanic ethnic background.	1. Latin American/Hispanic 0. Not Latin American/Hispanic
SDC_EB_OTHER	Participant has another ethnic background.	Participant has other ethnic background than those listed.	1. Other ethnic group 0. Not Other ethnic group
SDC_EB_SE_ASIAN	Participant's ethnic background is Southeast Asian (e.g. Malaysia, Indonesia, Viet Nam).	Participant has Southeast Asian (e.g. Malaysia, Indonesia, Viet Nam) ethnic background.	1. Southeast Asian (e.g. Malaysia, Indonesia, Viet Nam) 0. Not Southeast Asian (e.g. Malaysia, Indonesia, Viet Nam)
SDC_EB_S_ASIAN	Participant's ethnic background is South Asian (e.g. India, Sri Lanka, Pakistan, Bangladesh).	Participant has South Asian (e.g. India, Sri Lanka, Pakistan, Bangladesh) ethnic background.	1. South Asian (e.g. India, Sri Lanka, Pakistan, Bangladesh) 0. Not South Asian (e.g. India, Sri Lanka, Pakistan, Bangladesh)
SDC_EB_WHITE	Participant's ethnic background is White (European descent).	Participant has White (European descent) ethnic background.	1. White (European descent) 0. Not White (European descent)
SDC_EB_W_ASIAN	Participant's ethnic background is West Asian (e.g. Turkey, Iran, Afghanistan).	Participant has West Asian (e.g. Turkey, Iran, Afghanistan) ethnic background.	1. West Asian (e.g. Turkey, Iran, Afghanistan) 0. Not West Asian (e.g. Turkey, Iran, Afghanistan)
SDC_EB_CAT	Participant's ethnic background	Participant's ethnic background derived from a multiple selection question.	1. Aboriginal 2. Arab 3. Black (African or Caribbean descent) 4. East Asian 5. Filipino 6. Jewish 7. Latin American/Hispanic 8. South Asian 9. Southeast Asian 10. West Asian 11. White (European descent) 12. Other ethnic background 13. Multiple ethnic backgrounds
SDC_EB_F_CAT	Father's ethnic background	Father's ethnic background derived from a multiple selection question.	1. Aboriginal 2. Arab 3. Black (African or Caribbean descent) 4. East Asian 5. Filipino 6. Jewish 7. Latin American/Hispanic 8. South Asian 9. Southeast Asian 10. West Asian 11. White (European descent) 12. Other ethnic background 13. Multiple ethnic backgrounds
SDC_EB_M_CAT	Mother's ethnic background	Mother's ethnic background derived from a multiple selection question.	1. Aboriginal 2. Arab 3. Black (African or Caribbean descent) 4. East Asian 5. Filipino 6. Jewish 7. Latin American/Hispanic 8. South Asian 9. Southeast Asian 10. West Asian 11. White (European descent) 12. Other ethnic background 13. Multiple ethnic backgrounds
Sociodemographic economic characteristics-Language			
SDC_LANG_ABORIGINAL	Language first learned - Aboriginal language(s)	Indicator of whether Aboriginal is the participant's first language learned at home and he/she still understands it.	0. An aboriginal language is not one of the participant's first languages 1. An aboriginal language is one of the participant's first languages
SDC_LANG_ARABIC	Language first learned - Arabic	Indicator of whether Arabic is the participant's first language learned at home and he/she still understands it.	0. Arabic is not one of the participant's first languages 1. Arabic is one of the participant's first languages
SDC_LANG_BENGALI	Language first learned - Bengali	Indicator of whether Bengali is the participant's first language learned at home and he/she still understands it.	0. Bengali is not one of the participant's first languages 1. Bengali is one of the participant's first languages
SDC_LANG_CANTONESE	Language first learned - Cantonese	Indicator of whether Cantonese is the participant's first language learned at home and he/she still understands it.	0. Cantonese is not one of the participant's first languages 1. Cantonese is one of the participant's first languages
SDC_LANG_DANISH	Language first learned - Danish	Indicator of whether Danish is the participant's first language learned at home and he/she still understands it.	0. Danish is not one of the participant's first languages 1. Danish is one of the participant's first languages
SDC_LANG_DUTCH	Language first learned - Dutch	Indicator of whether Dutch is the participant's first language learned at home and he/she still understands it.	0. Dutch is not one of the participant's first languages 1. Dutch is one of the participant's first languages
SDC_LANG_ENGLISH	Language first learned - English	Indicator of whether English is the participant's first language learned at home and he/she still understands it.	0. English is not one of the participant's first languages 1. English is one of the participant's first languages
SDC_LANG_FARSI_PERSIAN	Language first learned - Farsi/Persian	Indicator of whether Farsi/Persian is the participant's first language learned at home and he/she still understands it.	0. Farsi/Persian is not one of the participant's first languages 1. Farsi/Persian is one of the participant's first languages
SDC_LANG_FINNISH	Language first learned - Finnish	Indicator of whether Finnish is the participant's first language learned at home and he/she still understands it.	0. Finnish is not one of the participant's first languages 1. Finnish is one of the participant's first languages
SDC_LANG_FRENCH	Language first learned - French	Indicator of whether French is the participant's first language learned at home and he/she still understands it.	0. French is not one of the participant's first languages 1. French is one of the participant's first languages
SDC_LANG_GAELIC	Language first learned - Gaelic	Indicator of whether Gaelic is the participant's first language learned at home and he/she still understands it.	0. Gaelic is not one of the participant's first languages 1. Gaelic is one of the participant's first languages
SDC_LANG_GERMAN	Language first learned - German	Indicator of whether German is the participant's first language learned at home and he/she still understands it.	0. German is not one of the participant's first languages 1. German is one of the participant's first languages
SDC_LANG_GREEK	Language first learned - Greek	Indicator of whether Greek is the participant's first language learned at home and he/she still understands it.	0. Greek is not one of the participant's first languages 1. Greek is one of the participant's first languages

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SDC_LANG_HINDI	Language first learned - Hindi	Indicator of whether Hindi is the participant's first language learned at home and he/she still understands it.	0. Hindi is not one of the participant's first languages 1. Hindi is one of the participant's first languages
SDC_LANG_HUNGARIAN	Language first learned - Hungarian	Indicator of whether Hungarian is the participant's first language learned at home and he/she still understands it.	0. Hungarian is not one of the participant's first languages 1. Hungarian is one of the participant's first languages
SDC_LANG_ICELANDIC	Language first learned - Icelandic	Indicator of whether Icelandic is the participant's first language learned at home and he/she still understands it.	0. Icelandic is not one of the participant's first languages 1. Icelandic is one of the participant's first languages
SDC_LANG_ITALIAN	Language first learned - Italian	Indicator of whether Italian is the participant's first language learned at home and he/she still understands it.	0. Italian is not one of the participant's first languages 1. Italian is one of the participant's first languages
SDC_LANG_KOREAN	Language first learned - Korean	Indicator of whether Korean is the participant's first language learned at home and he/she still understands it.	0. Korean is not one of the participant's first languages 1. Korean is one of the participant's first languages
SDC_LANG_MANDARIN	Language first learned - Mandarin	Indicator of whether Mandarin is the participant's first language learned at home and he/she still understands it.	0. Mandarin is not one of the participant's first languages 1. Mandarin is one of the participant's first languages
SDC_LANG_NORWEGIAN	Language first learned - Norwegian	Indicator of whether Norwegian is the participant's first language learned at home and he/she still understands it.	0. Norwegian is not one of the participant's first languages 1. Norwegian is one of the participant's first languages
SDC_LANG_OTHER	Language first learned - Other	Indicator of whether the participant's first language learned at home and he/she still understands it.	0. Participant learned no other first languages 1. Participant learned other first language
SDC_LANG_OTSP	Language first learned, Other specify	Name of other language(s) first learned at home that the participant still understands.	NA
SDC_LANG_POLISH	Language first learned - Polish	Indicator of whether Polish is the participant's first language learned at home and he/she still understands it.	0. Polish is not one of the participant's first languages 1. Polish is one of the participant's first languages
SDC_LANG_PORTUGUESE	Language first learned - Portuguese	Indicator of whether Portuguese is the participant's first language learned at home and he/she still understands it.	0. Portuguese is not one of the participant's first languages 1. Portuguese is one of the participant's first languages
SDC_LANG_PUNJABI	Language first learned - Punjabi	Indicator of whether Punjabi is the participant's first language learned at home and he/she still understands it.	0. Punjabi is not one of the participant's first languages 1. Punjabi is one of the participant's first languages
SDC_LANG_RUSSIAN	Language first learned - Russian	Indicator of whether Russian is the participant's first language learned at home and he/she still understands it.	0. Russian is not one of the participant's first languages 1. Russian is one of the participant's first languages
SDC_LANG_SPANISH	Language first learned - Spanish	Indicator of whether Spanish is the participant's first language learned at home and he/she still understands it.	0. Spanish is not one of the participant's first languages 1. Spanish is one of the participant's first languages
SDC_LANG_SWEDISH	Language first learned - Swedish	Indicator of whether Swedish is the participant's first language learned at home and he/she still understands it.	0. Swedish is not one of the participant's first languages 1. Swedish is one of the participant's first languages
SDC_LANG_TAGALOG_FILIPIN O	Language first learned - Tagalog/Filipino	Indicator of whether Tagalog/Filipino is the participant's first language learned at home and he/she still understands it.	0. Tagalog/Filipino is not one of the participant's first languages 1. Tagalog/Filipino is one of the participant's first languages
SDC_LANG_TAMIL	Language first learned - Tamil	Indicator of whether Tamil is the participant's first language learned at home and he/she still understands it.	0. Tamil is not one of the participant's first languages 1. Tamil is one of the participant's first languages
SDC_LANG_UKRAINIAN	Language first learned - Ukrainian	Indicator of whether Ukrainian is the participant's first language learned at home and he/she still understands it.	0. Ukrainian is not one of the participant's first languages 1. Ukrainian is one of the participant's first languages
SDC_LANG_URDU	Language first learned - Urdu	Indicator of whether Urdu is the participant's first language learned at home and he/she still understands it.	0. Urdu is not one of the participant's first languages 1. Urdu is one of the participant's first languages
SDC_LANG_VIETNAMESE	Language first learned - Vietnamese	Indicator of whether Vietnamese is the participant's first language learned at home and he/she still understands it.	0. Vietnamese is not one of the participant's first languages 1. Vietnamese is one of the participant's first languages
SDC_LANG_WELSH	Language first learned - Welsh	Indicator of whether Welsh is the participant's first language learned at home and he/she still understands it.	0. Welsh is not one of the participant's first languages 1. Welsh is one of the participant's first languages
Sociodemographic economic characteristics-Labour retirement			
WRK_EMPLOYMENT	Employment status	Indicator of whether the participant currently has paid employment or is self-employed (including full-time and part time status).	0. Participant is not currently employed 1. Participant is currently employed
WRK_FULL_TIME	Full-time employed	Indicator of whether the participant is currently employed full-time (paid employment or self-employed). Full time means 30 hours or more per week.	0. Participant is not full-time employed/self-employed 1. Participant is full-time employed/self-employed
WRK_HOME_FAMILY	Looking after home/family	Indicator of whether the participant is currently looking after a home and/or a family.	0. Participant is not looking after home/family 1. Participant is looking after home/family
WRK_IND_TYPE_CUR_CAT	Current type of industry - categorical	Type of industry in which the participant currently works - specified categories.	1. Agriculture, hunting and forestry 2. Fishing 3. Mining and quarrying 4. Manufacturing 5. Electricity, gas and water supply 6. Construction 7. Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods 8. Hotels and restaurants 9. Transportation, storage and communications 10. Financial intermediation 11. Real estate, renting, and business activities 12. Public administration and defense; compulsory social security 13. Education 14. Health and social work 15. Other community, social, and personal service activities 16. Private households with employed persons 17. Extra-territorial organizations and bodies 18. Other industry -7. Not Applicable

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WRK_IND_TYPE_CUR_OPEN	Current type of industry - open text	Type of industry in which the participant currently works - open text.	-7. Not Applicable
WRK_IND_TYPE_LONGEST_C AT	Type of industry for occupation of longest duration - categorical	Type of industry in which the participant worked for the longest duration - specified categories.	0. Never been employed or self-employed 1. Agriculture, hunting and forestry 2. Fishing 3. Mining and quarrying 4. Manufacturing 5. Electricity, gas and water supply 6. Construction 7. Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods 8. Hotels and restaurants 9. Transportation, storage and communications 10. Financial intermediation 11. Real estate, renting, and business activities 12. Public administration and defense; compulsory social security 13. Education 14. Health and social work 15. Other community, social, and personal service activities 16. Private households with employed persons 17. Extra-territorial organizations and bodies -7. Not Applicable
WRK_IND_TYPE_LONGEST_O PEN	Type of industry for occupation of longest duration - open text	Type of industry in which the participant worked for the longest duration - open text.	-7. Not Applicable
WRK_JOB_AGE_CUR	Age started current job	Age at which the participant started working at his current job.	-7. Not Applicable
WRK_JOB_CUR_LONGEST	Current occupation held for longest duration	Indicator of whether the current job of the participant is the one he held the longest.	0. Current occupation not the one held for longest duration 1. Current occupation held for longest duration -7. Not Applicable
WRK_JOB_LONGEST_AGE_ST ART	Age started job of longest duration	Age at which the participant started working at the job held for longest duration.	-7. Not Applicable
WRK_JOB_LONGEST_AGE_ST OP	Age stopped job of longest duration	Age at which the participant stopped working at the job held for longest duration.	-7. Not Applicable
WRK_JOB_TITLE_CUR_OPEN	Current job title - open text	Participant's current job title - open text.	-7. Not Applicable
WRK_JOB_TITLE_LONGEST_O PEN	Job title for occupation of longest duration - open text	Participant's type of job held for longest period of time - open text.	-7. Not Applicable
WRK_JOB_TYPE_CUR_CAT	Current type of job - categorical	Participant's current job type - specified categories.	1. Legislators, senior officials and managers 2. Professionals 3. Technicians and associate professionals 4. Clerks 5. Service workers and shop and market sales workers 6. Skilled agricultural and fishery workers 7. Crafts and trades workers 8. Plant and machine operators and assemblers 9. Elementary occupations 10. Armed forces 11. Other job type -7. Not Applicable
WRK_JOB_TYPE_LONGEST_C AT	Type of job held for longest duration - categorical	Participant's type of job held for longest period of time - specified categories.	1. Legislators, senior officials and managers 2. Professionals 3. Technicians and associate professionals 4. Clerks 5. Service workers and shop and market sales workers 6. Skilled agricultural and fishery workers 7. Crafts and trades workers 8. Plant and machine operators and assemblers 9. Elementary occupations 10. Armed forces 11. Other job type -7. Not Applicable
WRK_PART_TIME	Part-time employed	Indicator of whether the participant is currently employed part-time (paid employment or self-employed). Part time means less than 30 hours per week.	0. Participant is not part-time employed/self-employed 1. Participant is part-time employed/self-employed
WRK_RETIREMENT	Retired	Indicator of whether the participant is currently retired.	0. Participant is not retired 1. Participant is retired
WRK_SCHEDULE_CUR_CAT	Current working schedule	Working schedule of the participant at his current job.	1. Regular - daytime schedule or shift 2. Regular - evening shift 3. Regular - night shift 4. Rotating shift, changing periodically from days to evenings or to nights 5. Split shift, consisting of two or more distinct periods each day 6. Irregular schedule, or on call 7. Other schedule -7. Not Applicable
WRK_SCHEDULE_CUR_OTSP	Current working schedule, other specify	Other working schedule of the participant at his current job.	NA
WRK_SCHEDULE_LONGEST_C AT	Working schedule for occupation held longest time	Working schedule of the participant at his job held for longest duration.	1. Regular - daytime schedule or shift 2. Regular - evening shift 3. Regular - night shift 4. Rotating shift, changing periodically from days to evenings or to nights 5. Split shift, consisting of two or more distinct periods each day 6. Irregular schedule, or on call 7. Other schedule not listed -7. Not Applicable
WRK_SCHEDULE_LONGEST_O TSP	Working schedule for occupation held longest time, other specify	Other working schedule of the participant at his job held for longest duration.	NA
WRK_STUDENT	Student	Indicator of whether the participant is currently a student.	0. Participant is not a student 1. Participant is a student
WRK_UNABLE	Unable to work	Indicator of whether the participant is currently unable to work because of sickness or disability.	0. Participant is not unable to work 1. Participant is unable to work
WRK_UNEMPLOYED	Unemployed	Indicator of whether the participant is currently unemployed.	0. Participant is not unemployed 1. Participant is unemployed
WRK_UNPAID	Doing unpaid work	Indicator of whether the participant is currently doing unpaid or voluntary work.	0. Participant does not do unpaid work 1. Participant does unpaid work
Sociodemographic economic characteristics-Birth place			
SDC_BIRTH_COUNTRY	Participant's country of birth	Country where the participant was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_F	Father's country of birth	Country where the participant's biological father was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_FF	Paternal grandfather's country of birth	Country where the participant's biological paternal grandfather was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other

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Variable	label	Description	Categories
SDC_BIRTH_COUNTRY_FF_OT SP	Paternal grandfather's country of birth, other specify	Name of other country where the participant's biological paternal grandfather was born.	NA
SDC_BIRTH_COUNTRY_FM	Paternal grandmother's country of birth	Country where the participant's biological paternal grandmother was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_FM_O TSP	Paternal grandmother's country of birth, other specify	Name of other country where the participant's biological paternal grandmother was born.	NA
SDC_BIRTH_COUNTRY_F_OTSP	Father's country of birth, other specify	Name of other country where the participant's biological father was born.	NA
SDC_BIRTH_COUNTRY_M	Mother's country of birth	Country where the participant's biological mother was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_MF	Maternal grandfather's country of birth	Country where the participant's biological maternal grandfather was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_MF_O TSP	Maternal grandfather's country of birth, other specify	Name of other country where the participant's biological maternal grandfather was born.	NA
SDC_BIRTH_COUNTRY_MM	Maternal grandmother's country of birth	Country where the participant's biological maternal grandmother was born.	1. Canada 2. China 3. France 4. Germany 5. Greece 6. India 7. Islamic Republic of Iran 8. Ireland 9. Italy 10. Jamaica 11. Republic of Korea 12. Philippines 13. Poland 14. Portugal 15. Russian Federation 16. Ukraine 17. United Kingdom 18. United States 19. Viet Nam 20. Other
SDC_BIRTH_COUNTRY_MM_OTSP	Maternal grandmother's country of birth, other specify	Name of other country where the participant's biological maternal grandmother was born.	NA
SDC_BIRTH_COUNTRY_M_OT SP	Mother's country of birth, other specify	Name of other country where the participant's biological mother was born.	NA
SDC_BIRTH_COUNTRY_OTSP	Participant's country of birth, other specify	Name of other country where the participant was born.	NA
Sociodemographic economic characteristics-Family and household structure			
SDC_BROTHERS_NB	Number of biological brothers	Number of biological (one or two common parents) brothers of the participant.	NA
SDC_HOUSEHOLD_ADULTS_NB	Number of adults in the household	Number of adults (age 18 or older) currently living in the same household including the participant.	NA
SDC_HOUSEHOLD_ADULTS_NB_CAT	Number of adults in the household - categorical	Number of adults (age 18 or older) currently living in the same household including the participant.	1. 1 adult 2. 2 adults 3. 3 adults 4. 4 adults 5. 5 adults 6. 6 adults 7. 7 adults 8. 8 adults 9. 9 adults 10. 10 adults 11. 11 adults 12. 12 adults and more
SDC_HOUSEHOLD_CHILDREN_NB	Number of children in the household	Number of children (under 18 years of age) currently living in the participant's household.	NA
SDC_HOUSEHOLD_CHILDREN_NB_CAT	Number of children in the household - categorical	Number of children (under 18 years of age) currently living in the participant's household.	0. No children 1. 1 child 2. 2 children 3. 3 children 4. 4 children 5. 5 children 6. 6 children 7. 7 children 8. 8 children 9. 9 children 10. 10 children 11. 11 children 12. 12 children and more
SDC_SIB_NB	Number of biological siblings	Number of biological (one or two common parents) siblings of the participant.	NA
SDC_SIB_NB_CAT	Number of biological siblings - categorical	Number of biological (one or two common parents) siblings of the participant.	0. No sibling 1. 1 sibling 2. 2 siblings 3. 3 siblings 4. 4 siblings 5. 5 siblings 6. 6 siblings 7. 7 siblings 8. 8 siblings 9. 9 siblings 10. 10 siblings 11. 11 siblings 12. 12 siblings and more
SDC_SIB_OLDER_NB	Number of siblings older than participant	Number of biological (one or two common parents) siblings older than the participant.	-7. Not Applicable
SDC_SIB_OLDER_NB_CAT	Number of siblings older than participant - categorical	Number of biological (one or two common parents) siblings older than the participant.	0. No sibling 1. 1 sibling 2. 2 siblings 3. 3 siblings 4. 4 siblings 5. 5 siblings 6. 6 siblings 7. 7 siblings 8. 8 siblings 9. 9 siblings 10. 10 siblings 11. 11 siblings 12. 12 siblings and more -7. Not Applicable
SDC_SISTERS_NB	Number of biological sisters	Number of biological (one or two common parents) sisters of the participant.	NA
Sociodemographic economic characteristics-Possession and benefits			
SDC_INCOME	Household income before taxes	Average annual income, before taxes, of the participant's entire household including salaries, pensions, and allowances.	1. Less than 10 000 \$ 2. 10 000 \$ - 24 999 \$ 3. 25 000 \$ - 49 999 \$ 4. 50 000 \$ - 74 999 \$ 5. 75 000 \$ - 99 999 \$ 6. 100 000 \$ - 149 999 \$ 7. 150 000 \$ - 199 999 \$ 8. 200 000 \$ or more
SDC_INCOME_IND_NB	Number of individuals supported by income	Number of individuals supported by the average annual income of the participant's entire household, including children, parents and other persons living outside the participant's home. Minimum value of 1 considering the participant is supported by his household income.	NA
SDC_INCOME_IND_NB_CAT	Number of individuals supported by income - categorical	Number of individuals supported by the average annual income of the participant's entire household, including children, parents and other persons living outside the participant's home. Minimum value of 1 considering the participant is supported by his household income.	1. 1 individual 2. 2 individuals 3. 3 individuals 4. 4 individuals 5. 5 individuals 6. 6 individuals 7. 7 individuals 8. 8 individuals 9. 9 individuals 10. 10 individuals 11. 11 individuals 12. 12 individuals and more

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Sociodemographic economic characteristics-Education			
SDC_EDU_LEVEL	Highest level of education completed	Highest level of education completed by the participant.	0. None 1. Elementary school 2. High school 3. Trade, technical or vocational school, apprenticeship training or technical CEGEP 4. Diploma from a community college, pre-university CEGEP or non-university certificate 5. University certificate below bachelor's level 6. Bachelor's degree 7. Graduate degree (MSc, MBA, MD, PhD, etc.)
SDC_EDU_LEVEL_AGE	Age highest level education completed	Age at which the participant completed the highest level of education.	-7. Not Applicable
Sociodemographic economic characteristics-Age			
SDC_AGE_CALC	Age	Participant's age at questionnaire completion, calculated from birth date and date of questionnaire completion.	NA
Sociodemographic economic characteristics-Marital status			
SDC_MARITAL_STATUS	Marital status	Participant's current marital status.	1. Married and/or living with a partner 2. Divorced 3. Widowed 4. Separated 5. Single, never married
Sociodemographic economic characteristics-Other sociodemographic			
SDC_ADOPTED_CHILD	Adopted	Indicator of whether the participant was adopted.	0. Not adopted 1. Adopted
Sociodemographic economic characteristics-Residence			
SDC_ARRIVAL_AGE	Age of arrival in Canada	Age of the participant when he first came to live in Canada.	-7. Not Applicable
Sociodemographic economic characteristics-Sex			
SDC_GENDER	Gender	Gender of the participant.	1. Male 2. Female
Sociodemographic economic characteristics-Twin			
SDC_MULTIPLE_BIRTH	Child of a multiple birth	Indicator of whether the participant was a child of a multiple birth	0. Not born in a multiple birth 1. Born in a multiple birth -7. Not Applicable
Lifestyle behaviours-Physical activity			
PA_LEVEL_LONG	Total physical activity level	Categorical indicator of the participant's level of physical activity (IPAQ long form).	1. Low level of physical activity 2. Moderate level of physical activity 3. High level of physical activity
PA_LEVEL_SHORT	Total physical activity level	Categorical indicator of the participant's level of physical activity (IPAQ short form)	1. Low level of physical activity 2. Moderate level of physical activity 3. High level of physical activity
PA_SIT_AVG_TIME_DAY	Average sitting time per day	Average time spent sitting per day (IPAQ long form and short form).	NA
PA_SIT_TIME_WKDAY	Average sitting time on week day	Average time spent sitting per week day in the last 7 days (IPAQ long form and short form).	NA
PA_SIT_TIME_WKEND	Average sitting time on weekend day	Average time spent sitting per weekend day in the last 7 days (IPAQ long form and short form).	NA
PA_TOTAL_LONG	Total physical activity MET-minutes/week	Quantitative indicator of global physical activity in metabolic equivalent (MET)-minutes per week (IPAQ long form).	NA
PA_TOTAL_MOD_LONG	Total moderate activities MET-minutes/week	Total physical activity MET-minutes/week = sum of Walking + Moderate + Vigorous MET-minutes/week scores	NA
		Quantitative indicator of the moderate intensity activities in metabolic equivalent (MET)-minutes/week (IPAQ long form).	
		Total Moderate MET-minutes/week = Moderate MET-minutes/week (at Work + Yard chores + inside chores + in Leisure time) + Cycling Met-minutes/week for Transport + Vigorous Yard chores MET-minutes/week	
PA_TOTAL_MOD_SHORT	Total moderate activities MET-minutes/week	Quantitative indicator of the moderate intensity activities in metabolic equivalent (MET)-minutes/week (IPAQ short form).	NA
PA_TOTAL_SHORT	Total physical activity MET-minutes/week	Moderate MET-minutes/week = 4.0 * moderate-intensity activity minutes * moderate-intensity activity days	NA
		Quantitative indicator of global physical activity in metabolic equivalent (MET)-minutes per week (IPAQ short form).	
		Total physical activity MET-minutes/week = sum of Walking + Moderate + Vigorous MET-minutes/week scores	
PA_TOTAL_SIT_TIME	Total sitting time per week	Total sitting time on average per week (IPAQ long form and short form).	NA
PA_TOTAL_VIG_LONG	Total vigorous activities MET-minutes/week	Quantitative indicator of the vigorous activities in metabolic equivalent (MET)-minutes/week (IPAQ long form).	NA
		Total Vigorous MET-minutes/week = Vigorous MET-minutes/week (at Work + in Leisure)	

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
PA_TOTAL_VIG_SHORT	Total vigorous activities MET-minutes/week	Quantitative indicator of the vigorous intensity activities in metabolic equivalent (MET)-minutes/week (IPAQ short form). Vigorous MET-minutes/week = 8.0 * vigorous-intensity activity minutes * vigorous-intensity activity days	NA
PA_TOTAL_WALK_LONG	Total walking MET-minutes/week	Quantitative indicator of the walking activities in metabolic equivalent (MET)-minutes/week (IPAQ long form). Total Walking MET-minutes/week = Walking MET-minutes/week (at Work + for Transport + in Leisure)	NA
PA_TOTAL_WALK_SHORT	Total walking MET-minutes/week	Quantitative indicator of the walking activities in metabolic equivalent (MET)-minutes/week (IPAQ short form). Walking MET-minutes/week = 3.3 * walking minutes * walking days	NA
Lifestyle behaviours-Tobacco			
SMK_BETEL_CUR	Currently uses betel nut	Indicator of whether the participant currently uses betel nut.	0. Does not currently use betel nut 1. Currently uses betel nut
SMK_BETEL_EVER	Ever used betel nut	Indicator of whether the participant has ever used betel nut on a regular basis for at least 6 months.	0. Never used betel nut 1. Ever used betel nut
SMK_CIGAR_CUR	Currently smokes cigars	Indicator of whether the participant currently smokes cigars.	0. Does not currently smoke cigars 1. Currently smokes cigars
SMK_CIGAR_EVER	Ever smoked cigars	Indicator of whether the participant has ever smoked cigars on a regular basis for at least 6 months.	0. Never smoked cigars 1. Ever smoked cigars
SMK_CIG_CUR_FREQ	Current cigarette smoker frequency	Frequency of participant's current cigarettes consumption, if he has smoked more than 100 cigarettes during his lifetime. "Daily" was defined as at least one cigarette every day for the past 30 days, "Occasionally" as at least one cigarette in the past 30 days, but not every day, and "No" as no cigarettes at all in the past 30 days.	0. Does not smoke currently 1. Current occasional smoker 2. Current daily smoker 7. Not Applicable
SMK_CIG_DAILY_AVG_QTY	Number of cigarettes smoked over time - current daily smokers	Number of cigarettes smoked per day during the total number of years the participant smoked daily (current daily smokers).	1. 1-5 cigarettes smoked per day 2. 6-10 cigarettes smoked per day 3. 11-15 cigarettes smoked per day 4. 16-20 cigarettes smoked per day 5. 21-25 cigarettes smoked per day 6. 26 cigarettes or more smoked per day 7. Not Applicable
SMK_CIG_DAILY_AVG_QTY_26	Number of cigarettes smoked over time, if 26 or more - current daily smokers	Number of cigarettes smoked per day during the total number of years the participant smoked daily, if 26 or more (current daily smokers).	-7. Not Applicable
SMK_CIG_DAILY_CUR_DUR	Duration daily cigarettes smoking - current daily smokers	Number of years the participant smoked cigarettes daily (current daily smokers).	-7. Not Applicable
SMK_CIG_DAILY_CUR_ONSET	Age first started smoking daily - current daily smokers	Age at which the participant first started smoking cigarettes daily (current daily smokers).	-7. Not Applicable
SMK_CIG_DAILY_CUR_QTY	Number of cigarettes smoked per day - current daily smokers	Number of cigarettes smoked per day (current daily smokers)	1. 1-5 cigarettes smoked per day 2. 6-10 cigarettes smoked per day 3. 11-15 cigarettes smoked per day 4. 16-20 cigarettes smoked per day 5. 21-25 cigarettes smoked per day 6. 26 cigarettes or more smoked per day 7. Not Applicable
SMK_CIG_DAILY_CUR_QTY_26	Number of cigarettes smoked per day if 26 or more - current daily smokers	Number of cigarettes smoked per day if 26 or more (current daily smokers)	-7. Not Applicable
SMK_CIG_EVER	Ever smoked 100 cigarettes or more	Indicator of whether the participant has ever smoked at least 100 cigarettes during his lifetime.	0. Never smoked at least 100 cigarettes 1. Ever smoked at least 100 cigarettes
SMK_CIG_FORMER_DAILY	Ever smoked cigarettes daily - current non-daily smokers	Indicator of whether the participant has ever smoked daily (current non-daily smokers)	0. Never smoked daily 1. Ever smoked daily 7. Not Applicable
SMK_CIG_FORMER_DAILY_CESSATION	Period since last smoked cigarettes daily - former daily smokers	Indicator of the period since the participant stopped smoking daily (former daily smokers).	1. Less than one year ago 2. 1-2 years ago 3. 3-5 years ago 4. More than five years ago 7. Not Applicable
SMK_CIG_FORMER_DAILY_DUR	Duration of daily cigarettes smoking - former daily smokers	Number of years the participant smoked daily (former daily smokers)	-7. Not Applicable
SMK_CIG_FORMER_DAILY_ONSET	Age started smoking cigarettes daily - former daily smokers	Age at which the participant started smoking cigarettes daily (former daily smokers)	-7. Not Applicable
SMK_CIG_FORMER_DAILY_QTY	Number of cigarettes smoked per day - former daily smokers	Number of cigarettes smoked per day during the period the participant smoked daily (former daily smokers).	1. 1-5 cigarettes smoked per day 2. 6-10 cigarettes smoked per day 3. 11-15 cigarettes smoked per day 4. 16-20 cigarettes smoked per day 5. 21-25 cigarettes smoked per day 6. 26 cigarettes or more smoked per day 7. Not Applicable
SMK_CIG_FORMER_DAILY_QTY_26	Number of cigarettes smoked per day, if 26 or more - former daily smokers	Number of cigarettes smoked per day during the period the participant smoked daily, if more than 26 cigarettes (former daily smokers).	-7. Not Applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
SMK_CIG_HEAVIEST_DUR	Duration heaviest cigarettes consumption - current daily and former daily smokers	Duration of heaviest cigarettes smoking period (current daily or former daily smokers).	-7. Not Applicable
SMK_CIG_HEAVIEST_QTY	Number of cigarettes smoked per day, heaviest quantity - current daily or former daily smokers	During heaviest cigarette smoking period, number of cigarettes smoked per day (current daily or former daily smokers).	1. 1-5 cigarettes smoked per day 2. 6-10 cigarettes smoked per day 3. 11-15 cigarettes smoked per day 4. 16-20 cigarettes smoked per day 5. 21-25 cigarettes smoked per day 6. 26 cigarettes or more smoked per day -7. Not Applicable
SMK_CIG_HEAVIEST_QTY_26	Number of cigarettes smoked per day, heaviest quantity, if 26 or more - current daily or former daily smokers	During heaviest cigarettes smoking period, number of cigarettes smoked per day, if more than 26 cigarettes (current daily or former daily smokers).	-7. Not Applicable
SMK_CIG_LAST_AGE	Age last smoked cigarettes on most days - current non-smokers	Age at which the participant last smoked cigarettes on most days (current non smokers).	-7. Not Applicable
SMK_CIG_OCC_CUR_FREQ	One cigarette smoked frequency - current occasional smokers	Indicator of the frequency at which the participant has smoked at least one cigarette in the last 30 days (current occasional smokers).	1. 1-5 days 2. 6-10 days 3. 11-20 days 4. 21-29 days -7. Not Applicable
SMK_CIG_OCC_CUR_QTY	Number of cigarettes smoked per day - current occasional smokers	Number of cigarettes smoked on a typical smoking day, over the past 30 days (current occasional smokers).	1. 1-5 cigarettes smoked per day 2. 6-10 cigarettes smoked per day 3. 11-15 cigarettes smoked per day 4. 16-20 cigarettes smoked per day 5. 21-25 cigarettes smoked per day 6. 26 cigarettes or more smoked per day -7. Not Applicable
SMK_CIG_STATUS	Cigarettes smoking status	Indicator of participant cigarettes smoking status. A participant is considered a past smoker if he does not smoke currently but has ever smoked 100 cigarettes or more during his lifetime.	0. Never smoked at least 100 cigarettes 1. Past smoker (Ever smoked at least 100 cigarettes) 2. Current occasional smoker 3. Current daily smoker
SMK_CIG_WHOLE_EVER	Ever smoked a whole cigarette	Indicator of whether the participant has ever smoked a whole cigarette, if he hasn't smoked more than 100 cigarettes during his lifetime.	0. Never smoked a whole cigarette 1. Ever smoked a whole cigarette -7. Not Applicable
SMK_CIG_WHOLE_ONSET	Age smoked a whole cigarette	Age of the participant when he first smoked a whole cigarette, if he hasn't smoked more than 100 cigarettes during his lifetime.	-7. Not Applicable
SMK_GUM_CUR	Currently uses nicotine gum	Indicator of whether the participant currently uses nicotine gum.	0. Does not currently use nicotine gum 1. Currently uses nicotine gum
SMK_GUM_EVER	Ever used nicotine gum	Indicator of whether the participant has ever used nicotine gum on a regular basis for at least 6 months.	0. Never used nicotine gum 1. Ever used nicotine gum
SMK_OTHER_TOB_CUR	Currently uses other types of tobacco or nicotine products	Indicator of whether the participant currently uses other types of tobacco or nicotine products than those listed.	0. Does not currently use other type of tobacco 1. Currently uses other type of tobacco
SMK_OTHER_TOB_CUR_OTSP	Other types of tobacco or nicotine products currently used, specify	Name of the other types of tobacco or nicotine products currently used.	NA
SMK_OTHER_TOB_EVER	Ever used other type of tobacco or nicotine products	Indicator of whether the participant has ever used other types of tobacco or nicotine products than those listed on regular basis for at least 6 months.	0. Never used other type of tobacco 1. Ever used other type of tobacco
SMK_OTHER_TOB_EVER_OTSP	Other types of tobacco or nicotine products ever used, specify	Name of the other types of tobacco or nicotine products ever used on a regular basis for at least 6 months.	NA
SMK_PAAAN_CUR	Currently uses paan	Indicator of whether the participant currently uses paan.	0. Does not currently use paan 1. Currently use paan
SMK_PAAAN_EVER	Ever used paan	Indicator of whether the participant has ever used paan on a regular basis for at least 6 months.	0. Never used paan 1. Ever used paan
SMK_PATCH_CUR	Currently uses nicotine patches	Indicator of whether the participant currently uses nicotine patches.	0. Does not currently use nicotine patch 1. Currently use nicotine patch
SMK_PATCH_EVER	Ever used nicotine patches	Indicator of whether the participant has ever used nicotine patches on a regular basis for at least 6 months.	0. Never used nicotine patch 1. Ever used nicotine patch
SMK_PIPE_CUR	Currently smokes pipes	Indicator of whether the participant currently smokes pipes.	0. Does not currently smoke pipe 1. Currently smokes pipe
SMK_PIPE_EVER	Ever smoked pipes	Indicator of whether the participant has ever smoked pipes on a regular basis for at least 6 months.	0. Never smoked pipe 1. Ever smoked pipe
SMK_SHEESHA_CUR	Currently smokes sheesha	Indicator of whether the participant currently smokes sheesha.	0. Does not currently smoke sheesha 1. Currently smokes sheesha
SMK_SHEESHA_EVER	Ever smoked sheesha	Indicator of whether the participant has ever smoked sheesha on a regular basis for at least 6 months.	0. Never smoked sheesha 1. Ever smoked sheesha
SMK_SMALL_CIGAR_CUR	Currently smokes small cigars	Indicator of whether the participant currently smokes small cigars.	0. Does not currently smoke small cigars 1. Currently smokes small cigars
SMK_SMALL_CIGAR_EVER	Ever smoked small cigars	Indicator of whether the participant has ever smoked small cigars on a regular basis for at least 6 months.	0. Never smoked small cigars 1. Ever smoked small cigars
SMK_SNUFF_CUR	Currently uses chewing tobacco or snuff	Indicator of whether the participant currently uses chewing tobacco or snuff.	0. Does not currently use snuff 1. Currently uses snuff
SMK_SNUFF_EVER	Ever used chewing tobacco or snuff	Indicator of whether the participant has ever used chewing tobacco or snuff on a regular basis for at least 6 months.	0. Never used snuff 1. Ever used snuff

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
Lifestyle behaviours-Alcohol			
ALC_BEER_WEEK	Current quantity of beer consumed per week	Average number of beers (one bottle, can or glass of 341 ml or 12 ounces) consumed by the participant during a typical week.	-7. Not Applicable
ALC_BEER_WEEK_CAT	Current quantity of beer consumed per week - categorical	Average number of beers (one bottle, can or glass of 341 ml or 12 ounces) consumed by the participant during a typical week.	0. None to less than 1 drink 1. 1 drink to less than 2 drinks 2. 2 drinks to less than 3 drinks 3. 3 drinks to less than 4 drinks 4. 4 drinks to less than 5 drinks 5. 5 drinks to less than 6 drinks 6. 6 drinks to less than 7 drinks 7. 7 drinks to less than 8 drinks 8. 8 drinks to less than 9 drinks 9. 9 drinks to less than 10 drinks 10. 10 drinks to less than 11 drinks 11. 11 drinks to less than 12 drinks 12. 12 drinks to less than 13 drinks 13. 13 drinks to less than 14 drinks 14. 14 drinks to less than 15 drinks 15. 15 drinks to less than 16 drinks 16. 16 drinks to less than 17 drinks 17. 17 drinks to less than 18 drinks 18. 18 drinks to less than 19 drinks 19. 19 drinks to less than 20 drinks 20. 20 drinks to less than 21 drinks 21. 21 drinks to less than 22 drinks 22. 22 drinks to less than 23 drinks 23. 23 drinks to less than 24 drinks 24. 24 drinks to less than 25 drinks 25. 25 drinks and more -7. Not Applicable
ALC_BEER_WKDAY	Current quantity of beer consumed on weekdays	In a typical week during the past 12 months, number of beers (one bottle, can or glass of 341 ml or 12 ounces) consumed by the participant on weekdays (Sunday to Thursday).	-7. Not Applicable
ALC_BEER_WKEND	Current quantity of beer consumed on weekend days	In a typical week during the past 12 months, number of beers (one bottle, can or glass of 341 ml or 12 ounces) consumed by the participant on weekend days (Friday to Saturday).	-7. Not Applicable
ALC_BINGE_FREQ_FEMALE	Frequency of binge drinking - Female	Frequency of binge drinking for a female participant (4 drinks or more at the same occasion) in the past 12 months.	0. Never 1. 1 to 5 times a year 2. 6 to 11 times a year 3. About once a month 4. 2 to 3 times a month 5. Once a week 6. 2 to 3 times a week 7. 4 to 5 times a week 8. 6 to 7 times a week -7. Not Applicable
ALC_BINGE_FREQ_MALE	Frequency of binge drinking - Male	Frequency of binge drinking for a male participant (5 drinks or more at the same occasion) in the past 12 months.	0. Never 1. 1 to 5 times a year 2. 6 to 11 times a year 3. About once a month 4. 2 to 3 times a month 5. Once a week 6. 2 to 3 times a week 7. 4 to 5 times a week 8. 6 to 7 times a week -7. Not Applicable
ALC_CUR_FREQ	Current use of alcohol	Frequency of alcohol consumption during the past 12 months.	0. Never 1. Less than once a month 2. About once a month 3. 2 to 3 times a month 4. Once a week 5. 2 to 3 times a week 6. 4 to 5 times a week 7. 6 to 7 times a week -7. Not Applicable
ALC_EVER	Ever alcohol consumption	Indicator of whether the participant has ever consumed alcohol.	0. Never consumed alcohol 1. Ever consumed alcohol
ALC_HEAVIEST_INTAKE	Current alcohol consumption compared to heaviest intake	Current consumption of alcohol compared to the heaviest period of alcohol consumption.	0. About the same 1. Less than heaviest period of drinking -7. Not Applicable
ALC_LIQUOR_WEEK	Current quantity of liquor consumed per week	Average number of drinks of liquor/spirits (one straight or mixed drink with 1 and 1/2 ounces of liquor) consumed by the participant during a typical week.	-7. Not Applicable
ALC_LIQUOR_WEEK_CAT	Current quantity of liquor consumed per week - categorical	Average number of drinks of liquor/spirits (one straight or mixed drink with 1 and 1/2 ounces of liquor) consumed by the participant during a typical week.	0. None to less than 1 drink 1. 1 drink to less than 2 drinks 2. 2 drinks to less than 3 drinks 3. 3 drinks to less than 4 drinks 4. 4 drinks to less than 5 drinks 5. 5 drinks to less than 6 drinks 6. 6 drinks to less than 7 drinks 7. 7 drinks to less than 8 drinks 8. 8 drinks to less than 9 drinks 9. 9 drinks to less than 10 drinks 10. 10 drinks to less than 11 drinks 11. 11 drinks to less than 12 drinks 12. 12 drinks to less than 13 drinks 13. 13 drinks to less than 14 drinks 14. 14 drinks to less than 15 drinks 15. 15 drinks to less than 16 drinks 16. 16 drinks to less than 17 drinks 17. 17 drinks to less than 18 drinks 18. 18 drinks to less than 19 drinks 19. 19 drinks to less than 20 drinks 20. 20 drinks to less than 21 drinks 21. 21 drinks to less than 22 drinks 22. 22 drinks to less than 23 drinks 23. 23 drinks to less than 24 drinks 24. 24 drinks to less than 25 drinks 25. 25 drinks and more -7. Not Applicable
ALC_LIQUOR_WKDAY	Current quantity of liquor or spirits consumed on weekdays	In a typical week during the past 12 months, number of drinks of liquor/spirit (one straight or mixed drink with 1 and 1/2 ounces of liquor) consumed by the participant on weekdays (Sunday to Thursday).	-7. Not Applicable
ALC_LIQUOR_WKEND	Current quantity of liquor or spirits consumed on weekend days	In a typical week during the past 12 months, number of drinks of liquor/spirit (one straight or mixed drink with 1 and 1/2 ounces of liquor) consumed by the participant on weekend days (Friday to Saturday).	-7. Not Applicable
ALC_OTHER_WEEK	Current quantity of other drink consumed	Average number of drinks of other kinds of alcohol (not beer, liquor/spirit or wine) consumed by the participant during a typical week.	-7. Not Applicable
ALC_OTHER_WEEK_CAT	Current quantity of other drink consumed - categorical	Average number of drinks of other kinds of alcohol (not beer, liquor/spirit or wine) consumed by the participant during a typical week.	0. None to less than 1 drink 1. 1 drink to less than 2 drinks 2. 2 drinks to less than 3 drinks 3. 3 drinks to less than 4 drinks 4. 4 drinks to less than 5 drinks 5. 5 drinks to less than 6 drinks 6. 6 drinks to less than 7 drinks 7. 7 drinks to less than 8 drinks 8. 8 drinks to less than 9 drinks 9. 9 drinks to less than 10 drinks 10. 10 drinks to less than 11 drinks 11. 11 drinks to less than 12 drinks 12. 12 drinks to less than 13 drinks 13. 13 drinks to less than 14 drinks 14. 14 drinks to less than 15 drinks 15. 15 drinks to less than 16 drinks 16. 16 drinks to less than 17 drinks 17. 17 drinks to less than 18 drinks 18. 18 drinks to less than 19 drinks 19. 19 drinks to less than 20 drinks 20. 20 drinks to less than 21 drinks 21. 21 drinks to less than 22 drinks 22. 22 drinks to less than 23 drinks 23. 23 drinks to less than 24 drinks 24. 24 drinks to less than 25 drinks 25. 25 drinks and more -7. Not Applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
ALC_OTHER_WKDAY	Current quantity of other kind of alcohol consumed on weekdays	In a typical week during the past 12 months, number of drinks of other kinds of alcohol (not beer, liquor/spirit or wine) consumed by the participant on weekdays (Sunday to Thursday).	-7. Not Applicable
ALC_OTHER_WKEND	Current quantity of other kind of alcohol consumed on weekend days	In a typical week during the past 12 months, number of drinks of other kinds of alcohol (not beer, liquor/spirit or wine) consumed by the participant on weekend days (Friday to Saturday).	-7. Not Applicable
ALC_RED_WINE_WEEK	Current quantity of red wine consumed per week	Average number of glasses of red wine (one glass of 142 mL or 5 ounces) consumed by the participant during a typical week.	-7. Not Applicable
ALC_RED_WINE_WEEK_CAT	Current quantity of red wine consumed per week - categorical	Average number of glasses of red wine (one glass of 142 mL or 5 ounces) consumed by the participant during a typical week.	0. None to less than 1 drink 1. 1 drink to less than 2 drinks 2. 2 drinks to less than 3 drinks 3. 3 drinks to less than 4 drinks 4. 4 drinks to less than 5 drinks 5. 5 drinks to less than 6 drinks 6. 6 drinks to less than 7 drinks 7. 7 drinks to less than 8 drinks 8. 8 drinks to less than 9 drinks 9. 9 drinks to less than 10 drinks 10. 10 drinks to less than 11 drinks 11. 11 drinks to less than 12 drinks 12. 12 drinks to less than 13 drinks 13. 13 drinks to less than 14 drinks 14. 14 drinks to less than 15 drinks 15. 15 drinks to less than 16 drinks 16. 16 drinks to less than 17 drinks 17. 17 drinks to less than 18 drinks 18. 18 drinks to less than 19 drinks 19. 19 drinks to less than 20 drinks 20. 20 drinks to less than 21 drinks 21. 21 drinks to less than 22 drinks 22. 22 drinks to less than 23 drinks 23. 23 drinks to less than 24 drinks 24. 24 drinks to less than 25 drinks 25. 25 drinks and more -7. Not Applicable
ALC_RED_WINE_WKDAY	Current quantity of red wine consumed on weekdays	In a typical week during the past 12 months, number of glasses of red wine (one glass of 142 mL or 5 ounces) consumed by the participant on weekdays (Sunday to Thursday).	-7. Not Applicable
ALC_RED_WINE_WKEND	Current quantity of red wine consumed on weekend days	In a typical week during the past 12 months, number of glasses of red wine (one glass of 142 mL or 5 ounces) consumed by the participant on weekend days (Friday to Saturday).	-7. Not Applicable
ALC_WHITE_WINE_WEEK	Current quantity of white wine consumed per week	Average number of glasses of white wine (one glass of 142 mL or 5 ounces) consumed by the participant during a typical week.	-7. Not Applicable
ALC_WHITE_WINE_WEEK_CAT	Current quantity of white wine consumed per week - categorical	Average number of glasses of white wine (one glass of 142 mL or 5 ounces) consumed by the participant during a typical week.	0. None to less than 1 drink 1. 1 drink to less than 2 drinks 2. 2 drinks to less than 3 drinks 3. 3 drinks to less than 4 drinks 4. 4 drinks to less than 5 drinks 5. 5 drinks to less than 6 drinks 6. 6 drinks to less than 7 drinks 7. 7 drinks to less than 8 drinks 8. 8 drinks to less than 9 drinks 9. 9 drinks to less than 10 drinks 10. 10 drinks to less than 11 drinks 11. 11 drinks to less than 12 drinks 12. 12 drinks to less than 13 drinks 13. 13 drinks to less than 14 drinks 14. 14 drinks to less than 15 drinks 15. 15 drinks to less than 16 drinks 16. 16 drinks to less than 17 drinks 17. 17 drinks to less than 18 drinks 18. 18 drinks to less than 19 drinks 19. 19 drinks to less than 20 drinks 20. 20 drinks to less than 21 drinks 21. 21 drinks to less than 22 drinks 22. 22 drinks to less than 23 drinks 23. 23 drinks to less than 24 drinks 24. 24 drinks to less than 25 drinks 25. 25 drinks and more -7. Not Applicable
ALC_WHITE_WINE_WKDAY	Current quantity of white wine consumed on weekdays	In a typical week during the past 12 months, number of glasses of white wine (one glass of 142 mL or 5 ounces) consumed by the participant on weekdays (Sunday to Thursday).	-7. Not Applicable
ALC_WHITE_WINE_WKEND	Current quantity of white wine consumed on weekend days	In a typical week during the past 12 months, number of glasses of white wine (one glass of 142 mL or 5 ounces) consumed by the participant on weekend days (Friday to Saturday).	-7. Not Applicable
ALC_WKEND	Alcohol mostly drank on weekend days	Indicator of whether the participant currently consumes alcohol mostly on weekend (or non working) days.	0. Alcohol not mostly drank on weekend 1. Alcohol mostly drank on weekend -7. Not Applicable
Lifestyle behaviours-Nutrition			
NUT_FRUITS_QTY	Quantity of fruits consumed	Total number of fruit servings (about 1/2 cup) consumed in a typical day.	NA
NUT_FRUITS_QTY_CAT	Quantity of fruits consumed - categorical	otal number of fruit servings (about 1/2 cup) consumed in a typical day.	0. No serving 1. 1 serving 2. 2 servings 3. 3 servings 4. 4 servings 5. 5 servings 6. 6 servings 7. 7 servings 8. 8 servings 9. 9 servings 10. 10 servings and more
NUT_JUICE_QTY	Quantity of 100 percent fruit-vegetable juice consumed	Total number of 100 percent fruit or vegetable juice servings (125 mL or 1/2 cup) consumed in a typical day.	NA
NUT_JUICE_QTY_CAT	Quantity of 100 percent fruit-vegetable juice consumed - categorical	Total number of 100 percent fruit or vegetable juice servings (125 mL or 1/2 cup) consumed in a typical day.	0. No serving 1. 1 serving 2. 2 servings 3. 3 servings 4. 4 servings 5. 5 servings 6. 6 servings 7. 7 servings 8. 8 servings 9. 9 servings 10. 10 servings and more
NUT_VEG_QTY	Quantity of vegetables consumed	Total number of vegetable servings (about 1/2 cup or 125mL) consumed in a typical day.	NA
NUT_VEG_QTY_CAT	Quantity of vegetables consumed - categorical	Total number of vegetable servings (about 1/2 cup or 125mL) consumed in a typical day.	0. No serving 1. 1 serving 2. 2 servings 3. 3 servings 4. 4 servings 5. 5 servings 6. 6 servings 7. 7 servings 8. 8 servings 9. 9 servings 10. 10 servings and more
Lifestyle behaviours-Sleep			
SLE_LIGHT_EXP	Exposure to light at night	Average quantity of light entering the room of the participant when he/she is sleeping.	0. Virtually no light 1. Some light 2. A lot of light
SLE_TIME	Number of minutes usually slept	Number of minutes per day the participant usually sleeps, including naps.	NA

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
SLE_TIME_CAT	Number of minutes usually slept - categorical	Number of minutes per day the participant usually sleeps, including naps.	1. Less than 3 hours 2. 3 to less than 4 hours 3. 4 to less than 5 hours 4. 5 to less than 6 hours 5. 6 to less than 7 hours 6. 7 to less than 8 hours 7. 8 to less than 9 hours 8. 9 to less than 10 hours 9. 10 to less than 11 hours 10. 11 to less than 12 hours 11. 12 hours and more
SLE_TROUBLE_FREQ	Frequency trouble to sleep	Frequency of sleeping troubles (trouble going to sleep or staying asleep).	0. None of the time 1. A little of the time 2. Some of the time 3. Most of the time 4. All of the time
Health status functional limitations-Perception health			
HS_GEN_HEALTH	Perception of health	Participant's general perception of his/her health.	1. Poor 2. Fair 3. Good 4. Very good 5. Excellent
Diseases-Neoplasm			
DIS_CANCER1	Cancer 1: Type	Type of cancer diagnosed.	1. Breast 2. Colon 3. Bronchus and Lung 4. Liver 5. Prostate 6. Ovary 7. Pancreas 8. Stomach 9. Esophagus 10. Larynx 11. Trachea 12. Rectum 13. Skin 14. Cervix 15. Uterus 16. Kidney 17. Bladder 18. Brain 19. Thyroid 20. Non-Hodgkin's Lymphoma 21. Leukemia 22. Other type of cancer -7. Not Applicable
DIS_CANCER1_AGE	Cancer 1: Age at first diagnosis	Age of the participant at cancer first diagnosis.	-7. Not Applicable
DIS_CANCER1_OTSP	Cancer 1: Type, other specify	Name of other type of cancer diagnosed.	NA
DIS_CANCER1_TX	Cancer 1: Ever treated	Indicator of whether the participant ever received a treatment for the cancer diagnosed.	0. Never received a treatment for this cancer 1. Ever received a treatment for this cancer 2. Presumed - Never received treatment for this cancer -7. Not Applicable
DIS_CANCER1_TX_CHEMO	Cancer 1: Ever treated with chemotherapy	Indicator of whether the participant ever received chemotherapy for the cancer diagnosed.	1. Ever had chemotherapy for this cancer -7. Not Applicable
DIS_CANCER1_TX_OTHER	Cancer 1: Ever treated with other treatment	Indicator of whether the participant ever received other treatments for the cancer diagnosed.	1. Ever had other type of treatment for this cancer -7. Not Applicable
DIS_CANCER1_TX_OTSP	Cancer 1: Ever treated with other treatment, other specify	Name of the other treatment received for the cancer diagnosed.	NA
DIS_CANCER1_TX_RAD	Cancer 1: Ever treated with radiation	Indicator of whether the participant ever received radiation treatment for the cancer diagnosed.	1. Ever had radiation for this cancer -7. Not Applicable
DIS_CANCER1_TX_SURG	Cancer 1: Ever treated with surgery	Indicator of whether the participant ever had a surgery for the cancer diagnosed.	1. Ever had surgery for this cancer -7. Not Applicable
DIS_CANCER2	Cancer 2: Type	Type of cancer diagnosed.	1. Breast 2. Colon 3. Bronchus and Lung 4. Liver 5. Prostate 6. Ovary 7. Pancreas 8. Stomach 9. Esophagus 10. Larynx 11. Trachea 12. Rectum 13. Skin 14. Cervix 15. Uterus 16. Kidney 17. Bladder 18. Brain 19. Thyroid 20. Non-Hodgkin's Lymphoma 21. Leukemia 22. Other type of cancer -7. Not Applicable
DIS_CANCER2_AGE	Cancer 2: Age at first diagnosis	Age of the participant at cancer first diagnosis.	-7. Not Applicable
DIS_CANCER2_OTSP	Cancer 2: Type, other specify	Name of other type of cancer diagnosed.	NA
DIS_CANCER2_TX	Cancer 2: Ever treated	Indicator of whether the participant ever received a treatment for the cancer diagnosed.	0. Never received a treatment for this cancer 1. Ever received a treatment for this cancer 2. Presumed - Never received treatment for this cancer -7. Not Applicable
DIS_CANCER2_TX_CHEMO	Cancer 2: Ever treated with chemotherapy	Indicator of whether the participant ever received chemotherapy for the cancer diagnosed.	1. Ever had chemotherapy for this cancer -7. Not Applicable
DIS_CANCER2_TX_OTHER	Cancer 2: Ever treated with other treatment	Indicator of whether the participant ever received other treatments for the cancer diagnosed.	1. Ever had other type of treatment for this cancer -7. Not Applicable
DIS_CANCER2_TX_OTSP	Cancer 2: Ever treated with other treatment, other specify	Name of the other treatment received for the cancer diagnosed.	NA
DIS_CANCER2_TX_RAD	Cancer 2: Ever treated with radiation	Indicator of whether the participant ever received radiation treatment for the cancer diagnosed.	1. Ever had radiation for this cancer -7. Not Applicable
DIS_CANCER2_TX_SURG	Cancer 2: Ever treated with surgery	Indicator of whether the participant ever had a surgery for the cancer diagnosed.	1. Ever had surgery for this cancer -7. Not Applicable
DIS_CANCER3	Cancer 3: Type	Type of cancer diagnosed.	1. Breast 2. Colon 3. Bronchus and Lung 4. Liver 5. Prostate 6. Ovary 7. Pancreas 8. Stomach 9. Esophagus 10. Larynx 11. Trachea 12. Rectum 13. Skin 14. Cervix 15. Uterus 16. Kidney 17. Bladder 18. Brain 19. Thyroid 20. Non-Hodgkin's Lymphoma 21. Leukemia 22. Other type of cancer -7. Not Applicable
DIS_CANCER3_AGE	Cancer 3: Age at first diagnosis	Age of the participant at cancer first diagnosis.	-7. Not Applicable
DIS_CANCER3_OTSP	Cancer 3: Type, other specify	Name of other type of cancer diagnosed.	NA
DIS_CANCER3_TX	Cancer 3: Ever treated	Indicator of whether the participant ever received a treatment for the cancer diagnosed.	0. Never received a treatment for this cancer 1. Ever received a treatment for this cancer 2. Presumed - Never received treatment for this cancer -7. Not Applicable
DIS_CANCER3_TX_CHEMO	Cancer 3: Ever treated with chemotherapy	Indicator of whether the participant ever received chemotherapy for the cancer diagnosed.	1. Ever had chemotherapy for this cancer -7. Not Applicable
DIS_CANCER3_TX_OTHER	Cancer 3: Ever treated with other treatment	Indicator of whether the participant ever received other treatments for the cancer diagnosed.	1. Ever had other type of treatment for this cancer -7. Not Applicable
DIS_CANCER3_TX_OTSP	Cancer 3: Ever treated with other treatment, other specify	Name of the other treatment received for the cancer diagnosed.	NA
DIS_CANCER3_TX_RAD	Cancer 3: Ever treated with radiation	Indicator of whether the participant ever received radiation treatment for the cancer diagnosed.	1. Ever had radiation for this cancer -7. Not Applicable
DIS_CANCER3_TX_SURG	Cancer 3: Ever treated with surgery	Indicator of whether the participant ever had a surgery for the cancer diagnosed.	1. Ever had surgery for this cancer -7. Not Applicable
DIS_CANCER4	Cancer 4: Type	Type of cancer diagnosed.	1. Breast 2. Colon 3. Bronchus and Lung 4. Liver 5. Prostate 6. Ovary 7. Pancreas 8. Stomach 9. Esophagus 10. Larynx 11. Trachea 12. Rectum 13. Skin 14. Cervix 15. Uterus 16. Kidney 17. Bladder 18. Brain 19. Thyroid 20. Non-Hodgkin's Lymphoma 21. Leukemia 22. Other type of cancer -7. Not Applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER4_AGE	Cancer 4: Age at first diagnosis	Age of the participant at cancer first diagnosis.	-7. Not Applicable
DIS_CANCER4_OTSP	Cancer 4: Type, other specify	Name of other type of cancer diagnosed.	NA
DIS_CANCER4_TX	Cancer 4: Ever treated	Indicator of whether the participant ever received a treatment for the cancer diagnosed.	0. Never received a treatment for this cancer 1. Ever received a treatment for this cancer 2. Presumed - Never received a treatment for this cancer -7. Not Applicable
DIS_CANCER4_TX_CHEMO	Cancer 4: Ever treated with chemotherapy	Indicator of whether the participant ever received chemotherapy for the cancer diagnosed.	1. Ever had chemotherapy for this cancer -7. Not Applicable
DIS_CANCER4_TX_OTHER	Cancer 4: Ever treated with other treatment	Indicator of whether the participant ever received other treatments for the cancer diagnosed.	1. Ever had other type of treatment for this cancer -7. Not Applicable
DIS_CANCER4_TX_RAD	Cancer 4: Ever treated with radiation	Indicator of whether the participant ever received radiation treatment for the cancer diagnosed.	1. Ever had radiation for this cancer -7. Not Applicable
DIS_CANCER4_TX_SURG	Cancer 4: Ever treated with surgery	Indicator of whether the participant ever had a surgery for the cancer diagnosed.	1. Ever had surgery for this cancer -7. Not Applicable
DIS_CANCER_CHILD_BLADDER	Children bladder cancer	Occurrence of bladder cancer at any point during the life of the biological children of the participant.	1. Ever had bladder cancer
DIS_CANCER_CHILD_BLADDER_NUM	Number of children with bladder cancer	Total number of participant's biological children that have ever had bladder cancer.	NA
DIS_CANCER_CHILD_BRAIN	Children brain cancer	Occurrence of brain cancer at any point during the life of the biological children of the participant.	1. Ever had brain cancer
DIS_CANCER_CHILD_BRAIN_NUM	Number of children with brain cancer	Total number of participant's biological children that have ever had brain cancer.	NA
DIS_CANCER_CHILD_BREAST	Children breast cancer	Occurrence of breast cancer at any point during the life of the biological children of the participant.	1. Ever had breast cancer
DIS_CANCER_CHILD_BREAST_NUM	Number of children with breast cancer	Total number of participant's biological children that have ever had breast cancer.	NA
DIS_CANCER_CHILD_CERVIX	Children cervical cancer	Occurrence of cervical cancer at any point during the life of the biological children of the participant.	1. Ever had cervical cancer
DIS_CANCER_CHILD_CERVIX_NUM	Number of children with cervical cancer	Total number of participant's biological children that have ever had cervical cancer.	NA
DIS_CANCER_CHILD_COLON	Children colon cancer	Occurrence of colon cancer at any point during the life of the biological children of the participant.	1. Ever had colon cancer
DIS_CANCER_CHILD_COLON_NUM	Number of children with colon cancer	Total number of participant's biological children that have ever had colon cancer.	NA
DIS_CANCER_CHILD_ESOPHAGUS	Children esophageal cancer	Occurrence of esophageal cancer at any point during the life of the biological children of the participant.	1. Ever had esophageal cancer
DIS_CANCER_CHILD_ESOPHAGUS_NUM	Number of children with esophageal cancer	Total number of participant's biological children that have ever had esophageal cancer.	NA
DIS_CANCER_CHILD_EVER	Lifetime occurrence of cancer in children	Occurrence of cancer at any point during the life of the participant's biological children.	0. No child had cancer 1. At least one child has had cancer
DIS_CANCER_CHILD_KIDNEY	Children kidney cancer	Occurrence of kidney cancer at any point during the life of the biological children of the participant.	1. Ever had kidney cancer
DIS_CANCER_CHILD_KIDNEY_NUM	Number of children with kidney cancer	Total number of participant's biological children that have ever had kidney cancer.	NA
DIS_CANCER_CHILD_LARYNX	Children laryngeal cancer	Occurrence of laryngeal cancer at any point during the life of the biological children of the participant.	1. Ever had laryngeal cancer
DIS_CANCER_CHILD_LARYNX_NUM	Number of children with laryngeal cancer	Total number of participant's biological children that have ever had laryngeal cancer.	NA
DIS_CANCER_CHILD_LEUKEMIA	Children leukemia	Occurrence of leukemia at any point during the life of the biological children of the participant.	1. Ever had leukemia
DIS_CANCER_CHILD_LEUKEMIA_NUM	Number of children with leukemia	Total number of participant's biological children that have ever had leukemia.	NA
DIS_CANCER_CHILD_LIVER	Children liver cancer	Occurrence of liver cancer at any point during the life of the biological children of the participant.	1. Ever had liver cancer
DIS_CANCER_CHILD_LIVER_NUM	Number of children with liver cancer	Total number of participant's biological children that have ever had liver cancer.	NA
DIS_CANCER_CHILD_LUNG	Children lung cancer	Occurrence of lung and bronchus cancer at any point during the life of the biological children of the participant.	1. Ever had lung and bronchus cancer
DIS_CANCER_CHILD_LUNG_NUM	Number of children with lung cancer	Total number of participant's biological children that have ever had lung and bronchus cancer.	NA
DIS_CANCER_CHILD_LYMPHOMA	Children lymphoma	Occurrence of lymphoma at any point during the life of the biological children of the participant.	1. Ever had lymphoma
DIS_CANCER_CHILD_LYMPHOMA_NUM	Number of children with lymphoma	Total number of participant's biological children that have ever had lymphoma.	NA
DIS_CANCER_CHILD_NHL	Children non-Hodgkin's lymphoma	Occurrence of non-Hodgkin's lymphoma at any point during the life of the biological children of the participant.	1. Ever had non-Hodgkin's lymphoma

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER_CHILD_NHL_NUM	Number of children with non-Hodgkin's lymphoma	Total number of participant's biological children that have ever had non-Hodgkin's lymphoma.	NA
DIS_CANCER_CHILD_OTHER	Children other cancer	Occurrence of other cancer than those listed at any point during the life of the biological children of the participant.	1. Ever had other cancer
DIS_CANCER_CHILD_OTHER_NUM	Number of children with other cancer	Total number of participant's biological children that have ever had other cancer than those listed.	NA
DIS_CANCER_CHILD_OTSP	Children cancer, other specify	Name of other type of cancer than those listed occurring at any point during the life of participant's biological children.	NA
DIS_CANCER_CHILD_OVARY	Children ovarian cancer	Occurrence of ovarian cancer at any point during the life of the biological children of the participant.	1. Ever had ovarian cancer
DIS_CANCER_CHILD_OVARY_NUM	Number of children with ovarian cancer	Total number of participant's biological children that have ever had ovarian cancer.	NA
DIS_CANCER_CHILD_PANCREAS	Children pancreatic cancer	Occurrence of pancreatic cancer at any point during the life of the biological children of the participant.	1. Ever had pancreatic cancer
DIS_CANCER_CHILD_PANCREAS_NUM	Number of children with pancreatic cancer	Total number of participant's biological children that have ever had pancreatic cancer.	NA
DIS_CANCER_CHILD_PROSTATE	Children prostate cancer	Occurrence of prostate cancer at any point during the life of the biological children of the participant.	1. Ever had prostate cancer
DIS_CANCER_CHILD_PROSTATE_NUM	Number of children with prostate cancer	Total number of participant's biological children that have ever had prostate cancer.	NA
DIS_CANCER_CHILD_RECTUM	Children rectal cancer	Occurrence of rectal cancer at any point during the life of the biological children of the participant.	1. Ever had rectal cancer
DIS_CANCER_CHILD_RECTUM_NUM	Number of children with rectal cancer	Total number of participant's biological children that have ever had rectal cancer.	NA
DIS_CANCER_CHILD_SKIN	Children skin cancer	Occurrence of skin cancer at any point during the life of the biological children of the participant.	1. Ever had skin cancer
DIS_CANCER_CHILD_SKIN_NUM	Number of children with skin cancer	Total number of participant's biological children that have ever had skin cancer.	NA
DIS_CANCER_CHILD_STOMACH	Children stomach cancer	Occurrence of stomach cancer at any point during the life of the biological children of the participant.	1. Ever had stomach cancer
DIS_CANCER_CHILD_STOMACH_NUM	Number of children with stomach cancer	Total number of participant's biological children that have ever had stomach cancer.	NA
DIS_CANCER_CHILD_THYROID	Children thyroid cancer	Occurrence of thyroid cancer at any point during the life of the biological children of the participant.	1. Ever had thyroid cancer
DIS_CANCER_CHILD_THYROID_NUM	Number of children with thyroid cancer	Total number of participant's biological children that have ever had thyroid cancer.	NA
DIS_CANCER_CHILD_TRACHEA	Children tracheal cancer	Occurrence of tracheal cancer at any point during the life of the biological children of the participant.	1. Ever had tracheal cancer
DIS_CANCER_CHILD_TRACHEA_NUM	Number of children with tracheal cancer	Total number of participant's biological children that have ever had tracheal cancer.	NA
DIS_CANCER_CHILD_UTERUS	Children uterine cancer	Occurrence of uterine cancer at any point during the life of the biological children of the participant.	1. Ever had uterine cancer
DIS_CANCER_CHILD_UTERUS_NUM	Number of children with uterine cancer	Total number of participant's biological children that have ever had uterine cancer.	NA
DIS_CANCER_EVER	Lifetime occurrence of cancer	Occurrence of cancer at any point during the life of the participant.	0. Never had cancer 1. Ever had cancer
DIS_CANCER_FAM_EVER	Lifetime occurrence of cancer in family	Occurrence of cancer amongst participant's biological family members (mother, father, siblings and children).	0. No family history of cancer 1. Family history of cancer
DIS_CANCER_F_BLADDER	Father bladder cancer	Occurrence of bladder cancer at any point during the life of the participant's biological father.	1. Ever had bladder cancer
DIS_CANCER_F_BRAIN	Father brain cancer	Occurrence of brain cancer at any point during the life of the participant's biological father.	1. Ever had brain cancer
DIS_CANCER_F_BREAST	Father breast cancer	Occurrence of breast cancer at any point during the life of the participant's biological father.	1. Ever had breast cancer
DIS_CANCER_F_COLON	Father colon cancer	Occurrence of colon cancer at any point during the life of the participant's biological father.	1. Ever had colon cancer
DIS_CANCER_F_ESOPHAGUS	Father esophageal cancer	Occurrence of esophageal cancer at any point during the life of the participant's biological father.	1. Ever had esophageal cancer
DIS_CANCER_F_EVER	Lifetime occurrence of cancer in father	Occurrence of cancer at any point during the life of the participant's biological father.	0. Father has not had cancer 1. Father has had cancer
DIS_CANCER_F_KIDNEY	Father kidney cancer	Occurrence of kidney cancer at any point during the life of the participant's biological father.	1. Ever had kidney cancer

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER_F_LARYNX	Father laryngeal cancer	Occurrence of laryngeal cancer at any point during the life of the participant's biological father.	1. Ever had laryngeal cancer
DIS_CANCER_F_LEUKEMIA	Father leukemia	Occurrence of leukemia at any point during the life of the participant's biological father.	1. Ever had leukemia
DIS_CANCER_F_LIVER	Father liver cancer	Occurrence of liver cancer at any point during the life of the participant's biological father.	1. Ever had liver cancer
DIS_CANCER_F_LUNG	Father lung cancer	Occurrence of lung and bronchus cancer at any point during the life of the participant's biological father.	1. Ever had lung and bronchus cancer
DIS_CANCER_F_LYMPHOMA	Father lymphoma	Occurrence of lymphoma at any point during the life of the participant's biological father.	1. Ever had lymphoma
DIS_CANCER_F_NHL	Father non-Hodgkin's lymphoma	Occurrence of non-Hodgkin's lymphoma at any point during the life of the participant's biological father.	1. Ever had non-Hodgkin's lymphoma
DIS_CANCER_F_OTHER	Father other cancer	Occurrence of other cancer than those listed at any point during the life of the participant's biological father.	1. Ever had other cancer
DIS_CANCER_F_OTSP	Father cancer, other specify	Name of other type of cancer than those listed occurring at any point during the life of the participant's biological father.	NA
DIS_CANCER_F_PANCREAS	Father pancreatic cancer	Occurrence of pancreatic cancer at any point during the life of the participant's biological father.	1. Ever had pancreatic cancer
DIS_CANCER_F_PROSTATE	Father prostate cancer	Occurrence of prostate cancer at any point during the life of the participant's biological father.	1. Ever had prostate cancer
DIS_CANCER_F_RECTUM	Father rectal cancer	Occurrence of rectal cancer at any point during the life of the participant's biological father.	1. Ever had rectal cancer
DIS_CANCER_F_SKIN	Father skin cancer	Occurrence of skin cancer at any point during the life of the participant's biological father.	1. Ever had skin cancer
DIS_CANCER_F_STOMACH	Father stomach cancer	Occurrence of stomach cancer at any point during the life of the participant's biological father.	1. Ever had stomach cancer
DIS_CANCER_F_THYROID	Father thyroid cancer	Occurrence of thyroid cancer at any point during the life of the participant's biological father.	1. Ever had thyroid cancer
DIS_CANCER_F_TRACHEA	Father tracheal cancer	Occurrence of tracheal cancer at any point during the life of the participant's biological father.	1. Ever had tracheal cancer
DIS_CANCER_M_BLADDER	Mother bladder cancer	Occurrence of bladder cancer at any point during the life of the participant's biological mother.	1. Ever had bladder cancer
DIS_CANCER_M_BRAIN	Mother brain cancer	Occurrence of brain cancer at any point during the life of the participant's biological mother.	1. Ever had brain cancer
DIS_CANCER_M_BREAST	Mother breast cancer	Occurrence of breast cancer at any point during the life of the participant's biological mother.	1. Ever had breast cancer
DIS_CANCER_M_CERVIX	Mother cervical cancer	Occurrence of cervical cancer at any point during the life of the participant's biological mother.	1. Ever had cervical cancer
DIS_CANCER_M_COLON	Mother colon cancer	Occurrence of colon cancer at any point during the life of the participant's biological mother.	1. Ever had colon cancer
DIS_CANCER_M_ESOPHAGUS	Mother esophageal cancer	Occurrence of esophageal cancer at any point during the life of the participant's biological mother.	1. Ever had esophageal cancer
DIS_CANCER_M_EVER	Lifetime occurrence of cancer in mother	Occurrence of cancer at any point during the life of the participant's biological mother.	0. Mother has not had cancer 1. Mother has had cancer
DIS_CANCER_M_KIDNEY	Mother kidney cancer	Occurrence of kidney cancer at any point during the life of the participant's biological mother.	1. Ever had kidney cancer
DIS_CANCER_M_LARYNX	Mother laryngeal cancer	Occurrence of laryngeal cancer at any point during the life of the participant's biological mother.	1. Ever had laryngeal cancer
DIS_CANCER_M_LEUKEMIA	Mother leukemia	Occurrence of leukemia at any point during the life of the participant's biological mother.	1. Ever had leukemia
DIS_CANCER_M_LIVER	Mother liver cancer	Occurrence of liver cancer at any point during the life of the participant's biological mother.	1. Ever had liver cancer
DIS_CANCER_M_LUNG	Mother lung cancer	Occurrence of lung and bronchus cancer at any point during the life of the participant's biological mother.	1. Ever had lung and bronchus cancer
DIS_CANCER_M_LYMPHOMA	Mother lymphoma	Occurrence of lymphoma at any point during the life of the participant's biological mother.	1. Ever had lymphoma
DIS_CANCER_M_NHL	Mother non-Hodgkin's lymphoma	Occurrence of non-Hodgkin's lymphoma at any point during the life of the participant's biological mother.	1. Ever had non-Hodgkin's lymphoma

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER_M_OTHER	Mother other cancer	Occurrence of other cancer than those listed at any point during the life of the participant's biological mother.	1. Ever had other cancer
DIS_CANCER_M_OTSP	Mother cancer, other specify	Name of other type of cancer than those listed occurring at any point during the life of the participant's biological mother.	NA
DIS_CANCER_M_OVARY	Mother ovarian cancer	Occurrence of ovarian cancer at any point during the life of the participant's biological mother.	1. Ever had ovarian cancer
DIS_CANCER_M_PANCREAS	Mother pancreatic cancer	Occurrence of pancreatic cancer at any point during the life of the participant's biological mother.	1. Ever had pancreatic cancer
DIS_CANCER_M_RECTUM	Mother rectal cancer	Occurrence of rectal cancer at any point during the life of the participant's biological mother.	1. Ever had rectal cancer
DIS_CANCER_M_SKIN	Mother skin cancer	Occurrence of skin cancer at any point during the life of the participant's biological mother.	1. Ever had skin cancer
DIS_CANCER_M_STOMACH	Mother stomach cancer	Occurrence of stomach cancer at any point during the life of the participant's biological mother.	1. Ever had stomach cancer
DIS_CANCER_M_THYROID	Mother thyroid cancer	Occurrence of thyroid cancer at any point during the life of the participant's biological mother.	1. Ever had thyroid cancer
DIS_CANCER_M_TRACHEA	Mother tracheal cancer	Occurrence of tracheal cancer at any point during the life of the participant's biological mother.	1. Ever had tracheal cancer
DIS_CANCER_M_UTERUS	Mother uterine cancer	Occurrence of uterine cancer at any point during the life of the participant's biological mother.	1. Ever had uterine cancer
DIS_CANCER_SIB_BLADDER	Siblings bladder cancer	Occurrence of bladder cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had bladder cancer
DIS_CANCER_SIB_BLADDER_NUM	Number of siblings with bladder cancer	Total number of participant's biological siblings (one or two common parents) that have ever had bladder cancer.	NA
DIS_CANCER_SIB_BRAIN	Siblings brain cancer	Occurrence of brain cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had brain cancer
DIS_CANCER_SIB_BRAIN_NUM	Number of siblings with brain cancer	Total number of participant's biological siblings (one or two common parents) that have ever had brain cancer.	NA
DIS_CANCER_SIB_BREAST	Siblings breast cancer	Occurrence of breast cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had breast cancer
DIS_CANCER_SIB_BREAST_NUM	Number of siblings with breast cancer	Total number of participant's biological siblings (one or two common parents) that have ever had breast cancer.	NA
DIS_CANCER_SIB_CERVIX	Siblings cervical cancer	Occurrence of cervical cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had cervical cancer
DIS_CANCER_SIB_CERVIX_NUM	Number of siblings with cervical cancer	Total number of participant's biological siblings (one or two common parents) that have ever had cervical cancer.	NA
DIS_CANCER_SIB_COLON	Siblings colon cancer	Occurrence of colon cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had colon cancer
DIS_CANCER_SIB_COLON_NUM	Number of siblings with colon cancer	Total number of participant's biological siblings (one or two common parents) that have ever had colon cancer.	NA
DIS_CANCER_SIB_ESOPHAGUS	Siblings esophageal cancer	Occurrence of esophageal cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had esophageal cancer
DIS_CANCER_SIB_ESOPHAGUS_NUM	Number of siblings with esophageal cancer	Total number of participant's biological siblings (one or two common parents) that have ever had esophageal cancer.	NA
DIS_CANCER_SIB_EVER	Lifetime occurrence of cancer in siblings	Occurrence of cancer at any point during the life of the participant's biological siblings.	0. No sibling had cancer 1. At least one sibling has had cancer
DIS_CANCER_SIB_KIDNEY	Siblings kidney cancer	Occurrence of kidney cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had kidney cancer
DIS_CANCER_SIB_KIDNEY_NUM	Number of siblings with kidney cancer	Total number of participant's biological siblings (one or two common parents) that have ever had kidney cancer.	NA
DIS_CANCER_SIB_LARYNX	Siblings laryngeal cancer	Occurrence of laryngeal cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had laryngeal cancer

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER_SIB_LARYNX_NUM	Number of siblings with laryngeal cancer	Total number of participant's biological siblings (one or two common parents) that have ever had laryngeal cancer.	NA
DIS_CANCER_SIB_LEUKEMIA	Siblings leukemia	Occurrence of leukemia at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had leukemia
DIS_CANCER_SIB_LEUKEMIA_NUM	Number of siblings with leukemia	Total number of participant's biological siblings (one or two common parents) that have ever had leukemia.	NA
DIS_CANCER_SIB_LIVER	Siblings liver cancer	Occurrence of liver cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had liver cancer
DIS_CANCER_SIB_LIVER_NUM	Number of siblings with liver cancer	Total number of participant's biological siblings (one or two common parents) that have ever had liver cancer.	NA
DIS_CANCER_SIB_LUNG	Siblings lung cancer	Occurrence of lung and bronchus cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had lung and bronchus cancer
DIS_CANCER_SIB_LUNG_NUM	Number of siblings with lung cancer	Total number of participant's biological siblings (one or two common parents) that have ever had lung and bronchus cancer.	NA
DIS_CANCER_SIB_LYMPHOMA	Siblings lymphoma	Occurrence of lymphoma at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had lymphoma
DIS_CANCER_SIB_LYMPHOMA_NUM	Number of siblings with lymphoma	Total number of participant's biological siblings (one or two common parents) that have ever had lymphoma.	NA
DIS_CANCER_SIB_NHL	Siblings non-Hodgkin's lymphoma	Occurrence of non-Hodgkin's lymphoma at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had non-Hodgkin's lymphoma
DIS_CANCER_SIB_NHL_NUM	Number of siblings with non-Hodgkin's lymphoma	Total number of participant's biological siblings (one or two common parents) that have ever had non-Hodgkin's lymphoma.	NA
DIS_CANCER_SIB_OTHER	Siblings other cancer	Occurrence of other cancer than those listed at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had other cancer
DIS_CANCER_SIB_OTHER_NUM	Number of siblings with other cancer	Total number of participant's biological siblings (one or two common parents) that have ever had other cancer than those listed.	NA
DIS_CANCER_SIB_OTSP	Siblings cancer, other specify	Name of other type of cancer than those listed occurring at any point during the life of participant's biological siblings (one or two common parents).	NA
DIS_CANCER_SIB_OVARY	Siblings ovarian cancer	Occurrence of ovarian cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had ovarian cancer
DIS_CANCER_SIB_OVARY_NUM	Number of siblings with ovarian cancer	Total number of participant's biological siblings (one or two common parents) that have ever had ovarian cancer.	NA
DIS_CANCER_SIB_PANCREAS	Siblings pancreatic cancer	Occurrence of pancreatic cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had pancreatic cancer
DIS_CANCER_SIB_PANCREAS_NUM	Number of siblings with pancreatic cancer	Total number of participant's biological siblings (one or two common parents) that have ever had pancreatic cancer.	NA
DIS_CANCER_SIB_PROSTATE	Siblings prostate cancer	Occurrence of prostate cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had prostate cancer
DIS_CANCER_SIB_PROSTATE_NUM	Number of siblings with prostate cancer	Total number of participant's biological siblings (one or two common parents) that have ever had prostate cancer.	NA
DIS_CANCER_SIB_RECTUM	Siblings rectal cancer	Occurrence of rectal cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had rectal cancer
DIS_CANCER_SIB_RECTUM_NUM	Number of siblings with rectal cancer	Total number of participant's biological siblings (one or two common parents) that have ever had rectal cancer.	NA
DIS_CANCER_SIB_SKIN	Siblings skin cancer	Occurrence of skin cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had skin cancer
DIS_CANCER_SIB_SKIN_NUM	Number of siblings with skin cancer	Total number of participant's biological siblings (one or two common parents) that have ever had skin cancer.	NA

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_CANCER_SIB_STOMACH	Siblings stomach cancer	Occurrence of stomach cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had stomach cancer
DIS_CANCER_SIB_STOMACH_NUM	Number of siblings with stomach cancer	Total number of participant's biological siblings (one or two common parents) that have ever had stomach cancer.	NA
DIS_CANCER_SIB_THYROID	Siblings thyroid cancer	Occurrence of thyroid cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had thyroid cancer
DIS_CANCER_SIB_THYROID_NUM	Number of siblings with thyroid cancer	Total number of participant's biological siblings (one or two common parents) that have ever had thyroid cancer.	NA
DIS_CANCER_SIB_TRACHEA	Siblings tracheal cancer	Occurrence of tracheal cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had tracheal cancer
DIS_CANCER_SIB_TRACHEA_NUM	Number of siblings with tracheal cancer	Total number of participant's biological siblings (one or two common parents) that have ever had tracheal cancer.	NA
DIS_CANCER_SIB_UTERUS	Siblings uterine cancer	Occurrence of uterine cancer at any point during the life of the biological siblings (one or two common parents) of the participant.	1. Ever had uterine cancer
DIS_CANCER_SIB_UTERUS_NUM	Number of siblings with uterine cancer	Total number of participant's biological siblings (one or two common parents) that have ever had uterine cancer.	NA
Diseases-Digestive system			
DIS_CH_AGE	Age at first diagnosis of chronic hepatitis	Age of the participant at first diagnosis of chronic hepatitis.	-7. Not Applicable
DIS_CH_CHILD_EVER	Lifetime occurrence of chronic hepatitis in children	Occurrence of chronic hepatitis at any point during the life of the participant's biological children.	0. Never had chronic hepatitis 1. Ever had chronic hepatitis 2. Presumed - Never had chronic hepatitis
DIS_CH_CHILD_NUM	Number of children with chronic hepatitis	Total number of participant's biological children with chronic hepatitis.	NA
DIS_CH_EVER	Lifetime occurrence of chronic hepatitis	Occurrence of chronic hepatitis at any point during the life of the participant.	0. Never had chronic hepatitis 1. Ever had chronic hepatitis 2. Presumed - Never had chronic hepatitis
DIS_CH_FAM_EVER	Family history of chronic hepatitis	Occurrence of chronic hepatitis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of chronic hepatitis 1. Family history of chronic hepatitis 2. Presumed - No family history of chronic hepatitis
DIS_CH_F_EVER	Lifetime occurrence of father chronic hepatitis	Occurrence of chronic hepatitis at any point during the life of the participant's biological father.	0. Never had chronic hepatitis 1. Ever had chronic hepatitis 2. Presumed - Never had chronic hepatitis
DIS_CH_M_EVER	Lifetime occurrence of mother chronic hepatitis	Occurrence of chronic hepatitis at any point during the life of the participant's biological mother.	0. Never had chronic hepatitis 1. Ever had chronic hepatitis 2. Presumed - Never had chronic hepatitis
DIS_CH_SIB_EVER	Lifetime occurrence of chronic hepatitis in siblings	Occurrence of chronic hepatitis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had chronic hepatitis 1. Ever had chronic hepatitis 2. Presumed - Never had chronic hepatitis
DIS_CH_SIB_NUM	Number of siblings with chronic hepatitis	Total number of participant's biological siblings (one or two common parents) with chronic hepatitis.	NA
HS_POLYP_EVER	Ever had polyp removed from colon	Indicator of whether the participant has ever had a polyp removed from colon.	1. Ever had a polyp removed from colon 2. Never had a polyp removed from colon and ever had a colonoscopy or sigmoidoscopy 3. Never had a colonoscopy or sigmoidoscopy
DIS_CROHN_AGE	Age at first diagnosis of Crohn's disease	Age of the participant at first diagnosis of Crohn's disease.	-7. Not Applicable
DIS_CROHN_CHILD_EVER	Lifetime occurrence of Crohn's disease in children	Occurrence of Crohn's disease at any point during the life of the participant's biological children.	0. Never had Crohn's disease 1. Ever had Crohn's disease 2. Presumed - Never had Crohn's disease
DIS_CROHN_CHILD_NUM	Number of children with Crohn's disease	Total number of participant's biological children with Crohn's disease.	NA
DIS_CROHN_EVER	Lifetime occurrence of Crohn's disease	Occurrence of Crohn's disease at any point during the life of the participant.	0. Never had Crohn's disease 1. Ever had Crohn's disease 2. Presumed - Never had Crohn's disease
DIS_CROHN_FAM_EVER	Family history of Crohn's disease	Occurrence of Crohn's disease at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of Crohn's disease 1. Family history of Crohn's disease 2. Presumed - No family history of Crohn's disease
DIS_CROHN_F_EVER	Lifetime occurrence of Crohn's disease in father	Occurrence of Crohn's disease at any point during the life of the participant's biological father.	0. Never had Crohn's disease 1. Ever had Crohn's disease 2. Presumed - Never had Crohn's disease
DIS_CROHN_M_EVER	Lifetime occurrence of Crohn's disease in mother	Occurrence of Crohn's disease at any point during the life of the participant's biological mother.	0. Never had Crohn's disease 1. Ever had Crohn's disease 2. Presumed - Never had Crohn's disease
DIS_CROHN_SIB_EVER	Lifetime occurrence of Crohn's disease in siblings	Occurrence of Crohn's disease at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had Crohn's disease 1. Ever had Crohn's disease 2. Presumed - Never had Crohn's disease
DIS_CROHN_SIB_NUM	Number of siblings with Crohn's disease	Total number of participant's biological siblings (one or two common parents) with Crohn's disease.	NA
DIS_IBS_AGE	Age at first diagnosis of irritable bowel syndrome	Age of the participant at first diagnosis of irritable bowel syndrome.	-7. Not Applicable
DIS_IBS_CHILD_EVER	Lifetime occurrence of irritable bowel syndrome in children	Occurrence of irritable bowel syndrome at any point during the life of the participant's biological children.	0. Never had irritable bowel syndrome 1. Ever had irritable bowel syndrome 2. Presumed - Never had irritable bowel syndrome

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_IBS_CHILD_NUM	Number of children with irritable bowel syndrome	Total number of participant's biological children with irritable bowel syndrome.	NA
DIS_IBS_EVER	Lifetime occurrence of irritable bowel syndrome	Occurrence of irritable bowel syndrome at any point during the life of the participant.	0. Never had irritable bowel syndrome 1. Ever had irritable bowel syndrome 2. Presumed - Never had irritable bowel syndrome
DIS_IBS_FAM_EVER	Family history of irritable bowel syndrome	Occurrence of irritable bowel syndrome at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of irritable bowel syndrome 1. Family history of irritable bowel syndrome 2. Presumed - No family history of irritable bowel syndrome
DIS_IBS_F_EVER	Lifetime occurrence of irritable bowel syndrome in father	Occurrence of irritable bowel syndrome at any point during the life of the participant's biological father.	0. Never had irritable bowel syndrome 1. Ever had irritable bowel syndrome 2. Presumed - Never had irritable bowel syndrome
DIS_IBS_M_EVER	Lifetime occurrence of irritable bowel syndrome in mother	Occurrence of irritable bowel syndrome at any point during the life of the participant's biological mother.	0. Never had irritable bowel syndrome 1. Ever had irritable bowel syndrome 2. Presumed - Never had irritable bowel syndrome
DIS_IBS_SIB_EVER	Lifetime occurrence of irritable bowel syndrome in siblings	Occurrence of irritable bowel syndrome at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had irritable bowel syndrome 1. Ever had irritable bowel syndrome 2. Presumed - Never had irritable bowel syndrome
DIS_IBS_SIB_NUM	Number of siblings with irritable bowel syndrome	Total number of participant's biological siblings (one or two common parents) with irritable bowel syndrome.	NA
DIS_LC_AGE	Age at first diagnosis of liver cirrhosis	Age of the participant at first diagnosis of liver cirrhosis.	-7. Not Applicable
DIS_LC_CHILD_EVER	Lifetime occurrence of liver cirrhosis in children	Occurrence of liver cirrhosis at any point during the life of the participant's biological children.	0. Never had liver cirrhosis 1. Ever had liver cirrhosis 2. Presumed - Never had liver cirrhosis
DIS_LC_CHILD_NUM	Number of children with liver cirrhosis	Total number of participant's biological children with liver cirrhosis.	NA
DIS_LC_EVER	Lifetime occurrence of liver cirrhosis	Occurrence of liver cirrhosis at any point during the life of the participant.	0. Never had liver cirrhosis 1. Ever had liver cirrhosis 2. Presumed - Never had liver cirrhosis
DIS_LC_FAM_EVER	Family history of liver cirrhosis	Occurrence of liver cirrhosis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of liver cirrhosis 1. Family history of liver cirrhosis 2. Presumed - No family history of liver cirrhosis
DIS_LC_F_EVER	Lifetime occurrence of liver cirrhosis in father	Occurrence of liver cirrhosis at any point during the life of the participant's biological father.	0. Never had liver cirrhosis 1. Ever had liver cirrhosis 2. Presumed - Never had liver cirrhosis
DIS_LC_M_EVER	Lifetime occurrence of liver cirrhosis in mother	Occurrence of liver cirrhosis at any point during the life of the participant's biological mother.	0. Never had liver cirrhosis 1. Ever had liver cirrhosis 2. Presumed - Never had liver cirrhosis
DIS_LC_SIB_EVER	Lifetime occurrence of liver cirrhosis in siblings	Occurrence of liver cirrhosis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had liver cirrhosis 1. Ever had liver cirrhosis 2. Presumed - Never had liver cirrhosis
DIS_LC_SIB_NUM	Number of siblings with liver cirrhosis	Total number of participant's biological siblings (one or two common parents) with liver cirrhosis.	NA
DIS_UC_AGE	Age at first diagnosis of ulcerative colitis	Age of the participant at first diagnosis of ulcerative colitis.	-7. Not Applicable
DIS_UC_CHILD_EVER	Lifetime occurrence of ulcerative colitis in children	Occurrence of ulcerative colitis at any point during the life of the participant's biological children.	0. Never had ulcerative colitis 1. Ever had ulcerative colitis 2. Presumed - Never had ulcerative colitis
DIS_UC_CHILD_NUM	Number of children with ulcerative colitis	Total number of participant's biological children with ulcerative colitis.	NA
DIS_UC_EVER	Lifetime occurrence of ulcerative colitis	Occurrence of ulcerative colitis at any point during the life of the participant.	0. Never had ulcerative colitis 1. Ever had ulcerative colitis 2. Presumed - Never had ulcerative colitis
DIS_UC_FAM_EVER	Family history of ulcerative colitis	Occurrence of ulcerative colitis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of ulcerative colitis 1. Family history of ulcerative colitis 2. Presumed - No family history of ulcerative colitis
DIS_UC_F_EVER	Lifetime occurrence of ulcerative colitis in father	Occurrence of ulcerative colitis at any point during the life of the participant's biological father.	0. Never had ulcerative colitis 1. Ever had ulcerative colitis 2. Presumed - Never had ulcerative colitis
DIS_UC_M_EVER	Lifetime occurrence of ulcerative colitis in mother	Occurrence of ulcerative colitis at any point during the life of the participant's biological mother.	0. Never had ulcerative colitis 1. Ever had ulcerative colitis 2. Presumed - Never had ulcerative colitis
DIS_UC_SIB_EVER	Lifetime occurrence of ulcerative colitis in siblings	Occurrence of ulcerative colitis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had ulcerative colitis 1. Ever had ulcerative colitis 2. Presumed - Never had ulcerative colitis
DIS_UC_SIB_NUM	Number of siblings with ulcerative colitis	Total number of participant's biological siblings (one or two common parents) with ulcerative colitis.	NA
Diseases-Circulatory system			
DIS_HBP_AGE	Age at first diagnosis of high blood pressure, excluding during pregnancy	Age of the participant at first diagnosis of high blood pressure or hypertension, excluding during pregnancy.	-7. Not Applicable
DIS_HBP_CHILD_EVER	Lifetime occurrence of high blood pressure in children	Occurrence of high blood pressure at any point during the life of the participant's biological children.	0. Never had high blood pressure 1. Ever had high blood pressure 2. Presumed - Never had high blood pressure
DIS_HBP_CHILD_NUM	Number of children with high blood pressure	Total number of participant's biological children with high blood pressure.	NA
DIS_HBP_EVER	Lifetime occurrence of high blood pressure, excluding during pregnancy	Occurrence of high blood pressure or hypertension at any point during the life of the participant, excluding during pregnancy.	0. Never had high blood pressure 1. Ever had high blood pressure 2. Presumed - Never had high blood pressure

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_HBP_FAM_EVER	Family history of high blood pressure	Occurrence of high blood pressure at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of high blood pressure 1. Family history of high blood pressure 2. Presumed - No family history of high blood pressure
DIS_HBP_F_EVER	Lifetime occurrence of high blood pressure in father	Occurrence of high blood pressure at any point during the life of the participant's biological father.	0. Never had high blood pressure 1. Ever had high blood pressure 2. Presumed - Never had high blood pressure
DIS_HBP_M_EVER	Lifetime occurrence of high blood pressure in mother	Occurrence of high blood pressure at any point during the life of the participant's biological mother.	0. Never had high blood pressure 1. Ever had high blood pressure 2. Presumed - Never had high blood pressure
DIS_HBP_SIB_EVER	Lifetime occurrence of high blood pressure in siblings	Occurrence of high blood pressure at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had high blood pressure 1. Ever had high blood pressure 2. Presumed - Never had high blood pressure
DIS_HBP_SIB_NUM	Number of siblings with high blood pressure	Total number of participant's biological siblings (one or two common parents) with high blood pressure.	NA
DIS_HBP_TX	Currently under treatment for high blood pressure	Indicator of whether the participant is currently under treatment for high blood pressure or hypertension, excluding during pregnancy.	0. Not currently under treatment for high blood pressure 1. Currently under treatment for high blood pressure 2. Presumed - Not currently under treatment for high blood pressure -7. Not Applicable
DIS_MI_AGE	Age at first diagnosis of myocardial infarction	Age of the participant at first diagnosis of myocardial infarction.	-7. Not Applicable
DIS_MI_CHILD_EVER	Lifetime occurrence of myocardial infarction in children	Occurrence of myocardial infarction at any point during the life of the participant's biological children.	0. Never had myocardial infarction 1. Ever had myocardial infarction 2. Presumed - Never had myocardial infarction
DIS_MI_CHILD_NUM	Number of children with myocardial infarction	Total number of participant's biological children with myocardial infarction.	NA
DIS_MI_EVER	Lifetime occurrence of myocardial infarction	Occurrence of myocardial infarction at any point during the life of the participant.	0. Never had myocardial infarction 1. Ever had myocardial infarction 2. Presumed - Never had myocardial infarction
DIS_MI_FAM_EVER	Family history of myocardial infarction	Occurrence of myocardial infarction at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of myocardial infarction 1. Family history of myocardial infarction 2. Presumed - No family history of myocardial infarction
DIS_MI_F_EVER	Lifetime occurrence of myocardial infarction in father	Occurrence of myocardial infarction at any point during the life of the participant's biological father.	0. Never had myocardial infarction 1. Ever had myocardial infarction 2. Presumed - Never had myocardial infarction
DIS_MI_M_EVER	Lifetime occurrence of myocardial infarction in mother	Occurrence of myocardial infarction at any point during the life of the participant's biological mother.	0. Never had myocardial infarction 1. Ever had myocardial infarction 2. Presumed - Never had myocardial infarction
DIS_MI_SIB_EVER	Lifetime occurrence of myocardial infarction in siblings	Occurrence of myocardial infarction at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had myocardial infarction 1. Ever had myocardial infarction 2. Presumed - Never had myocardial infarction
DIS_MI_SIB_NUM	Number of siblings with myocardial infarction	Total number of participant's biological siblings (one or two common parents) with myocardial infarction.	NA
DIS_MI_TX	Currently under treatment for myocardial infarction	Indicator of whether the participant is currently under treatment for myocardial infarction.	0. Not currently under treatment for myocardial infarction 1. Currently under treatment for myocardial infarction 2. Presumed - Not currently under treatment for myocardial infarction -7. Not Applicable
DIS_STROKE_AGE	Age at first diagnosis of stroke	Age of the participant at first diagnosis of stroke.	-7. Not Applicable
DIS_STROKE_CHILD_EVER	Lifetime occurrence of stroke in children	Occurrence of stroke at any point during the life of the participant's biological children.	0. Never had stroke 1. Ever had stroke 2. Presumed - Never had stroke
DIS_STROKE_CHILD_NUM	Number of children with stroke	Total number of participant's biological children with stroke.	NA
DIS_STROKE_EVER	Lifetime occurrence of stroke	Occurrence of stroke at any point during the life of the participant.	0. Never had stroke 1. Ever had stroke 2. Presumed - Never had stroke
DIS_STROKE_FAM_EVER	Family history of stroke	Occurrence of stroke at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of stroke 1. Family history of stroke 2. Presumed - No family history of stroke
DIS_STROKE_F_EVER	Lifetime occurrence of stroke in father	Occurrence of stroke at any point during the life of the participant's biological father.	0. Never had stroke 1. Ever had stroke 2. Presumed - Never had stroke
DIS_STROKE_M_EVER	Lifetime occurrence of stroke in mother	Occurrence of stroke at any point during the life of the participant's biological mother.	0. Never had stroke 1. Ever had stroke 2. Presumed - Never had stroke
DIS_STROKE_SIB_EVER	Lifetime occurrence of stroke in siblings	Occurrence of stroke at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had stroke 1. Ever had stroke 2. Presumed - Never had stroke
DIS_STROKE_SIB_NUM	Number of siblings with stroke	Total number of participant's biological siblings (one or two common parents) with stroke.	NA
DIS_STROKE_TX	Currently under treatment for stroke	Indicator of whether the participant is currently under treatment for stroke.	0. Not currently under treatment for stroke 1. Currently under treatment for stroke 2. Presumed - Not currently under treatment for stroke -7. Not Applicable
Diseases-Nervous system			
DIS_MS_AGE	Age at first diagnosis of multiple sclerosis	Age of the participant at first diagnosis of multiple sclerosis.	-7. Not Applicable
DIS_MS_CHILD_EVER	Lifetime occurrence of multiple sclerosis in children	Occurrence of multiple sclerosis at any point during the life of the participant's biological children.	0. Never had multiple sclerosis 1. Ever had multiple sclerosis 2. Presumed - Never had multiple sclerosis
DIS_MS_CHILD_NUM	Number of children with multiple sclerosis	Total number of participant's biological children with multiple sclerosis.	NA
DIS_MS_EVER	Lifetime occurrence of multiple sclerosis	Occurrence of multiple sclerosis at any point during the life of the participant.	0. Never had multiple sclerosis 1. Ever had multiple sclerosis 2. Presumed - Never had multiple sclerosis

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_MS_FAM_EVER	Family history of multiple sclerosis	Occurrence of multiple sclerosis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of multiple sclerosis 1. Family history of multiple sclerosis 2. Presumed - No family history of multiple sclerosis
DIS_MS_F_EVER	Lifetime occurrence of multiple sclerosis in father	Occurrence of multiple sclerosis at any point during the life of the participant's biological father.	0. Never had multiple sclerosis 1. Ever had multiple sclerosis 2. Presumed - Never had multiple sclerosis
DIS_MS_M_EVER	Lifetime occurrence of multiple sclerosis in mother	Occurrence of multiple sclerosis at any point during the life of the participant's biological mother.	0. Never had multiple sclerosis 1. Ever had multiple sclerosis 2. Presumed - Never had multiple sclerosis
DIS_MS_SIB_EVER	Lifetime occurrence of multiple sclerosis in siblings	Occurrence of multiple sclerosis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had multiple sclerosis 1. Ever had multiple sclerosis 2. Presumed - Never had multiple sclerosis
DIS_MS_SIB_NUM	Number of siblings with multiple sclerosis	Total number of participant's biological siblings (one or two common parents) with multiple sclerosis.	NA
Diseases-Mental behavior			
DIS_DEP_AGE	Age at first diagnosis of major depression onset	Age of the participant at first diagnosis of major depression.	-7. Not Applicable
DIS_DEP_CHILD_EVER	Lifetime occurrence of major depression in children	Occurrence of major depression at any point during the life of the participant's biological children.	0. Never had major depression 1. Ever had major depression 2. Presumed - Never had major depression
DIS_DEP_CHILD_NUM	Number of children with major depression	Total number of participant's biological children with major depression.	NA
DIS_DEP_EVER	Lifetime occurrence of major depression	Occurrence of major depression at any point during the life of the participant.	0. Never had major depression 1. Ever had major depression 2. Presumed - Never had major depression
DIS_DEP_FAM_EVER	Family history of major depression	Occurrence of major depression at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of major depression 1. Family history of major depression 2. Presumed - No family history of major depression
DIS_DEP_F_EVER	Lifetime occurrence of major depression in father	Occurrence of major depression at any point during the life of the participant's biological father.	0. Never had major depression 1. Ever had major depression 2. Presumed - Never had major depression
DIS_DEP_M_EVER	Lifetime occurrence of major depression in mother	Occurrence of major depression at any point during the life of the participant's biological mother.	0. Never had major depression 1. Ever had major depression 2. Presumed - Never had major depression
DIS_DEP_SIB_EVER	Lifetime occurrence of major depression in siblings	Occurrence of major depression at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had major depression 1. Ever had major depression 2. Presumed - Never had major depression
DIS_DEP_SIB_NUM	Number of siblings with major depression	Total number of participant's biological siblings (one or two common parents) with major depression.	NA
Diseases-Musculoskeletal			
DIS_ARTHRITIS_AGE	Age at first diagnosis of arthritis	Age of the participant at first diagnosis of arthritis.	-7. Not Applicable
DIS_ARTHRITIS_CHILD_EVER	Lifetime occurrence of arthritis in children	Occurrence of arthritis at any point during the life of the participant's biological children.	0. Never had arthritis 1. Ever had arthritis 2. Presumed - Never had arthritis
DIS_ARTHRITIS_CHILD_NUM	Number of children with arthritis	Total number of participant's biological children with arthritis.	NA
DIS_ARTHRITIS_EVER	Lifetime occurrence of arthritis	Occurrence of arthritis at any point during the life of the participant.	0. Never had arthritis 1. Ever had arthritis 2. Presumed - Never had arthritis
DIS_ARTHRITIS_FAM_EVER	Family history of arthritis	Occurrence of arthritis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of arthritis 1. Family history of arthritis 2. Presumed - No family history of arthritis
DIS_ARTHRITIS_F_EVER	Lifetime occurrence of arthritis in father	Occurrence of arthritis at any point during the life of the participant's biological father.	0. Never had arthritis 1. Ever had arthritis 2. Presumed - Never had arthritis
DIS_ARTHRITIS_M_EVER	Lifetime occurrence of arthritis in mother	Occurrence of arthritis at any point during the life of the participant's biological mother.	0. Never had arthritis 1. Ever had arthritis 2. Presumed - Never had arthritis
DIS_ARTHRITIS_SIB_EVER	Lifetime occurrence of arthritis in siblings	Occurrence of arthritis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had arthritis 1. Ever had arthritis 2. Presumed - Never had arthritis
DIS_ARTHRITIS_SIB_NUM	Number of siblings with arthritis	Total number of participant's biological siblings (one or two common parents) with arthritis.	NA
DIS_ARTHRITIS_TYPE1	Arthritis type (rheumatoid arthritis, osteoarthritis, other type of arthritis)	Type of arthritis diagnosed (rheumatoid arthritis or osteoarthritis or other type of arthritis). The participant could specify what other type of arthritis in an open text variable.	1. Rheumatoid arthritis 2. Osteoarthritis 3. Other type of arthritis -7. Not applicable
DIS_ARTHRITIS_TYPE2	Arthritis type (rheumatoid arthritis, osteoarthritis, other type of arthritis)	Type of arthritis diagnosed (rheumatoid arthritis or osteoarthritis or other type of arthritis). The participant could specify what other type of arthritis in an open text variable.	1. Rheumatoid arthritis 2. Osteoarthritis 3. Other type of arthritis -7. Not applicable
DIS_ARTHRITIS_TYPE3	Arthritis type (rheumatoid arthritis, osteoarthritis, other type of arthritis)	Type of arthritis diagnosed (rheumatoid arthritis or osteoarthritis or other type of arthritis). The participant could specify what other type of arthritis in an open text variable.	1. Rheumatoid arthritis 2. Osteoarthritis 3. Other type of arthritis -7. Not applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_ARTHRITIS_TYPE_OTSP	Lifetime occurrence of arthritis, other specify	Name of other type of arthritis diagnosed. The following arthritis type were collected (rheumatoid arthritis, osteoarthritis and other type). The participant could specify what other type of arthritis in an open variable.	NA
DIS_OP_AGE	Age at first diagnosis of osteoporosis	Age of the participant at first diagnosis of osteoporosis.	-7. Not Applicable
DIS_OP_CHILD_EVER	Lifetime occurrence of osteoporosis in children	Occurrence of osteoporosis at any point during the life of the participant's biological children.	0. Never had osteoporosis 1. Ever had osteoporosis 2. Presumed - Never had osteoporosis
DIS_OP_CHILD_NUM	Number of children with osteoporosis	Total number of participant's biological children with osteoporosis.	NA
DIS_OP_EVER	Lifetime occurrence of osteoporosis	Occurrence of osteoporosis at any point during the life of the participant.	0. Never had osteoporosis 1. Ever had osteoporosis 2. Presumed - Never had osteoporosis
DIS_OP_FAM_EVER	Family history of osteoporosis	Occurrence of osteoporosis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of osteoporosis 1. Family history of osteoporosis 2. Presumed - No family history of osteoporosis
DIS_OP_F_EVER	Lifetime occurrence of osteoporosis in father	Occurrence of osteoporosis at any point during the life of the participant's biological father.	0. Never had osteoporosis 1. Ever had osteoporosis 2. Presumed - Never had osteoporosis
DIS_OP_M_EVER	Lifetime occurrence of osteoporosis in mother	Occurrence of osteoporosis at any point during the life of the participant's biological mother.	0. Never had osteoporosis 1. Ever had osteoporosis 2. Presumed - Never had osteoporosis
DIS_OP_SIB_EVER	Lifetime occurrence of osteoporosis in siblings	Occurrence of osteoporosis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had osteoporosis 1. Ever had osteoporosis 2. Presumed - Never had osteoporosis
DIS_OP_SIB_NUM	Number of siblings with osteoporosis	Total number of participant's biological siblings (one or two common parents) with osteoporosis.	NA
DIS_SLE_AGE	Age at first diagnosis of systemic lupus erythematosus	Age of the participant at first diagnosis of systemic lupus erythematosus.	-7. Not Applicable
DIS_SLE_CHILD_EVER	Lifetime occurrence of systemic lupus erythematosus in children	Occurrence of systemic lupus erythematosus at any point during the life of the participant's biological children.	0. Never had systemic lupus erythematosus 1. Ever had systemic lupus erythematosus 2. Presumed - Never had systemic lupus erythematosus
DIS_SLE_CHILD_NUM	Number of children with systemic lupus erythematosus	Total number of participant's biological children with systemic lupus erythematosus.	NA
DIS_SLE_EVER	Lifetime occurrence of systemic lupus erythematosus	Occurrence of systemic lupus erythematosus at any point during the life of the participant.	0. Never had systemic lupus erythematosus 1. Ever had systemic lupus erythematosus 2. Presumed - Never had systemic lupus erythematosus
DIS_SLE_FAM_EVER	Family history of systemic lupus erythematosus	Occurrence of systemic lupus erythematosus at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of systemic lupus erythematosus 1. Family history of systemic lupus erythematosus 2. Presumed - No family history of systemic lupus erythematosus
DIS_SLE_F_EVER	Lifetime occurrence of systemic lupus erythematosus in father	Occurrence of systemic lupus erythematosus at any point during the life of the participant's biological father.	0. Never had systemic lupus erythematosus 1. Ever had systemic lupus erythematosus 2. Presumed - Never had systemic lupus erythematosus
DIS_SLE_M_EVER	Lifetime occurrence of systemic lupus erythematosus in mother	Occurrence of systemic lupus erythematosus at any point during the life of the participant's biological mother.	0. Never had systemic lupus erythematosus 1. Ever had systemic lupus erythematosus 2. Presumed - Never had systemic lupus erythematosus
DIS_SLE_SIB_EVER	Lifetime occurrence of systemic lupus erythematosus in siblings	Occurrence of systemic lupus erythematosus at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had systemic lupus erythematosus 1. Ever had systemic lupus erythematosus 2. Presumed - Never had systemic lupus erythematosus
DIS_SLE_SIB_NUM	Number of siblings with systemic lupus erythematosus	Total number of participant's biological siblings (one or two common parents) with systemic lupus erythematosus.	NA
Diseases-Endocrine metabolic			
DIS_DIAB_AGE	Age at first diagnosis of diabetes	Age of the participant at first diagnosis of diabetes.	-7. Not Applicable
DIS_DIAB_CHILD_EVER	Lifetime occurrence of diabetes in children	Occurrence of diabetes at any point during the life of the participant's biological children.	0. Ever had diabetes 1. Never had diabetes 2. Presumed - Never had diabetes
DIS_DIAB_CHILD_NUM	Number of children with diabetes	Total number of participant's biological children with diabetes.	NA
DIS_DIAB_EVER	Lifetime occurrence of diabetes	Occurrence of diabetes at any point during the life of the participant.	0. Never had diabetes 1. Ever had diabetes 2. Presumed - Never had diabetes
DIS_DIAB_FAM_EVER	Family history of diabetes	Occurrence of diabetes at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of diabetes 1. Family history of diabetes 2. Presumed - No family history of diabetes
DIS_DIAB_F_EVER	Lifetime occurrence of diabetes in father	Occurrence of diabetes at any point during the life of the participant's biological father.	0. Ever had diabetes 1. Never had diabetes 2. Presumed - Never had diabetes
DIS_DIAB_M_EVER	Lifetime occurrence of diabetes in mother	Occurrence of diabetes at any point during the life of the participant's biological mother.	0. Ever had diabetes 1. Never had diabetes 2. Presumed - Never had diabetes
DIS_DIAB_SIB_EVER	Lifetime occurrence of diabetes in siblings	Occurrence of diabetes at any point during the life of the participant's biological siblings (one or two common parents).	0. Ever had diabetes 1. Never had diabetes 2. Presumed - Never had diabetes
DIS_DIAB_SIB_NUM	Number of siblings with diabetes	Total number of participant's biological siblings (one or two common parents) with diabetes.	NA

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_DIAB_TX	Currently under treatment for diabetes	Indicator of whether the participant is currently under treatment for diabetes.	0. Not currently under treatment for diabetes 1. Currently under treatment for diabetes 2. Presumed - Not currently under treatment for diabetes -7. Not Applicable
DIS_DIAB_TYPE	Lifetime diabetes type	Type of diabetes diagnosed (type 1 or type 2 or gestational diabetes - female only).	1. Diabetes mellitus type 1 2. Diabetes mellitus type 2 3. Gestational diabetes only -7. Not Applicable
Diseases-Respiratory system			
DIS_ASTHMA_AGE	Age at first diagnosis of asthma	Age of the participant at first diagnosis of asthma.	-7. Not Applicable
DIS_ASTHMA_CHILD_EVER	Lifetime occurrence of asthma in children	Occurrence of asthma at any point during the life of the participant's biological children.	0. Never had asthma 1. Ever had asthma 2. Presumed - Never had asthma
DIS_ASTHMA_CHILD_NUM	Number of children with asthma	Total number of participant's biological children with asthma.	NA
DIS_ASTHMA_EVER	Lifetime occurrence of asthma	Occurrence of asthma at any point during the life of the participant.	0. Never had asthma 1. Ever had asthma 2. Presumed - Never had asthma
DIS_ASTHMA_FAM_EVER	Family history of asthma	Occurrence of asthma at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of asthma 1. Family history of asthma 2. Presumed - No family history of asthma
DIS_ASTHMA_F_EVER	Lifetime occurrence of asthma in father	Occurrence of asthma at any point during the life of the participant's biological father.	0. Never had asthma 1. Ever had asthma 2. Presumed - Never had asthma
DIS_ASTHMA_M_EVER	Lifetime occurrence of asthma in mother	Occurrence of asthma at any point during the life of the participant's biological mother.	0. Never had asthma 1. Ever had asthma 2. Presumed - Never had asthma
DIS_ASTHMA_SIB_EVER	Lifetime occurrence of asthma in siblings	Occurrence of asthma at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had asthma 1. Ever had asthma 2. Presumed - Never had asthma
DIS_ASTHMA_SIB_NUM	Number of siblings with asthma	Total number of participant's biological siblings (one or two common parents) with asthma.	NA
DIS_ASTHMA_TX	Currently under treatment for asthma	Indicator of whether the participant is currently under treatment for asthma.	0. Not currently under treatment for asthma 1. Currently under treatment for asthma 2. Presumed - Not currently under treatment for asthma -7. Not Applicable
DIS_CB_AGE	Age at first diagnosis of chronic bronchitis	Age of the participant at first diagnosis of chronic bronchitis.	-7. Not Applicable
DIS_CB_CHILD_EVER	Lifetime occurrence of chronic bronchitis in children	Occurrence of chronic bronchitis at any point during the life of the participant's biological children.	0. Never had chronic bronchitis 1. Ever had chronic bronchitis 2. Presumed - Never had chronic bronchitis
DIS_CB_CHILD_NUM	Number of children with chronic bronchitis	Total number of participant's biological children with chronic bronchitis.	NA
DIS_CB_EVER	Lifetime occurrence of chronic bronchitis	Occurrence of chronic bronchitis at any point during the life of the participant.	0. Never had chronic bronchitis 1. Ever had chronic bronchitis 2. Presumed - Never had chronic bronchitis
DIS_CB_FAM_EVER	Family history of chronic bronchitis	Occurrence of chronic bronchitis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of chronic bronchitis 1. Family history of chronic bronchitis 2. Presumed - No family history of chronic bronchitis
DIS_CB_F_EVER	Lifetime occurrence of chronic bronchitis in father	Occurrence of chronic bronchitis at any point during the life of the participant's biological father.	0. Never had chronic bronchitis 1. Ever had chronic bronchitis 2. Presumed - Never had chronic bronchitis
DIS_CB_M_EVER	Lifetime occurrence of chronic bronchitis in mother	Occurrence of chronic bronchitis at any point during the life of the participant's biological mother.	0. Never had chronic bronchitis 1. Ever had chronic bronchitis 2. Presumed - Never had chronic bronchitis
DIS_CB_SIB_EVER	Lifetime occurrence of chronic bronchitis in siblings	Occurrence of chronic bronchitis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had chronic bronchitis 1. Ever had chronic bronchitis 2. Presumed - Never had chronic bronchitis
DIS_CB_SIB_NUM	Number of siblings with chronic bronchitis	Total number of participant's biological siblings (one or two common parents) with chronic bronchitis.	NA
DIS_CB_TX	Currently under treatment for chronic bronchitis	Indicator of whether the participant is currently under treatment for chronic bronchitis.	0. Not currently under treatment for chronic bronchitis 1. Currently under treatment for chronic bronchitis -7. Not Applicable
DIS_COPD_AGE	Age at first diagnosis of chronic obstructive pulmonary disease	Age of the participant at first diagnosis of chronic obstructive pulmonary disease.	-7. Not Applicable
DIS_COPD_CHILD_EVER	Lifetime occurrence of chronic obstructive pulmonary disease in children	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant's biological children.	0. Never had chronic obstructive pulmonary disease 1. Ever had chronic obstructive pulmonary disease 2. Presumed - Never had chronic obstructive pulmonary disease
DIS_COPD_CHILD_NUM	Number of children with chronic obstructive pulmonary disease	Total number of participant's biological children with chronic obstructive pulmonary disease.	NA
DIS_COPD_EVER	Lifetime occurrence of chronic obstructive pulmonary disease	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant. Includes: chronic obstructive pulmonary disease, chronic bronchitis and emphysema.	0. Never had chronic obstructive pulmonary disease 1. Ever had chronic obstructive pulmonary disease 2. Presumed - Never had chronic obstructive pulmonary disease
DIS_COPD_FAM_EVER	Family history of chronic obstructive pulmonary disease	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of chronic obstructive pulmonary disease 1. Family history of chronic obstructive pulmonary disease 2. Presumed - No family history of chronic obstructive pulmonary disease
DIS_COPD_F_EVER	Lifetime occurrence of chronic obstructive pulmonary disease in father	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant's biological father.	0. Never had chronic obstructive pulmonary disease 1. Ever had chronic obstructive pulmonary disease 2. Presumed - Never had chronic obstructive pulmonary disease

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_COPD_M_EVER	Lifetime occurrence of chronic obstructive pulmonary disease in mother	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant's biological mother.	0. Never had chronic obstructive pulmonary disease 1. Ever had chronic obstructive pulmonary disease 2. Presumed - Never had chronic obstructive pulmonary disease
DIS_COPD_SIB_EVER	Lifetime occurrence of chronic obstructive pulmonary disease in siblings	Occurrence of chronic obstructive pulmonary disease at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had chronic obstructive pulmonary disease 1. Ever had chronic obstructive pulmonary disease 2. Presumed - Never had chronic obstructive pulmonary disease
DIS_COPD_SIB_NUM	Number of siblings with chronic obstructive pulmonary disease	Total number of participant's biological siblings (one or two common parents) with chronic obstructive pulmonary disease.	NA
DIS_COPD_TX	Currently under treatment for chronic obstructive pulmonary disease	Indicator of whether the participant is currently under treatment for chronic obstructive pulmonary disease.	0. Not currently under treatment for chronic obstructive pulmonary disease 1. Currently under treatment for chronic obstructive pulmonary disease 2. Presumed - Not currently under treatment for chronic obstructive pulmonary disease -7. Not Applicable
DIS_EMPHYSEMA_AGE	Age at first diagnosis of emphysema	Age of the participant at first diagnosis of emphysema.	-7. Not Applicable
DIS_EMPHYSEMA_CHILD_EVER	Lifetime occurrence of emphysema in children	Indicator of whether the participant is currently under treatment for chronic obstructive pulmonary disease.	0. Never had emphysema 1. Ever had emphysema 2. Presumed - Never had emphysema
DIS_EMPHYSEMA_CHILD_NUM	Number of children with emphysema	Total number of participant's biological children with emphysema.	NA
DIS_EMPHYSEMA_EVER	Lifetime occurrence of emphysema	Occurrence of emphysema at any point during the life of the participant.	0. Never had emphysema 1. Ever had emphysema 2. Presumed - Never had emphysema
DIS_EMPHYSEMA_FAM_EVER	Family history of emphysema	Occurrence of emphysema at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of emphysema 1. Family history of emphysema 2. Presumed - No family history of emphysema
DIS_EMPHYSEMA_F_EVER	Lifetime occurrence of emphysema in father	Occurrence of emphysema at any point during the life of the participant's biological father.	0. Never had emphysema 1. Ever had emphysema 2. Presumed - Never had emphysema
DIS_EMPHYSEMA_M_EVER	Lifetime occurrence of emphysema in mother	Occurrence of emphysema at any point during the life of the participant's biological mother.	0. Never had emphysema 1. Ever had emphysema 2. Presumed - Never had emphysema
DIS_EMPHYSEMA_SIB_EVER	Lifetime occurrence of emphysema in siblings	Occurrence of emphysema at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had emphysema 1. Ever had emphysema 2. Presumed - Never had emphysema
DIS_EMPHYSEMA_SIB_NUM	Number of siblings with emphysema	Total number of participant's biological siblings (one or two common parents) with emphysema.	NA
DIS_EMPHYSEMA_TX	Currently under treatment for emphysema	Indicator of whether the participant is currently under treatment for emphysema.	0. Not currently under treatment for emphysema 1. Currently under treatment for emphysema 2. Presumed - Not currently under treatment for emphysema -7. Not Applicable
Diseases-Skin subcutaneous			
DIS_ECZEMA_AGE	Age at first diagnosis of eczema	Age of the participant at first diagnosis of eczema.	-7. Not Applicable
DIS_ECZEMA_CHILD_EVER	Lifetime occurrence of eczema in children	Occurrence of eczema at any point during the life of the participant's biological children.	0. Never had eczema 1. Ever had eczema 2. Presumed - Never had eczema
DIS_ECZEMA_CHILD_NUM	Number of children with eczema	Total number of participant's biological children with eczema.	NA
DIS_ECZEMA_EVER	Lifetime occurrence of eczema	Occurrence of eczema at any point during the life of the participant.	0. Never had eczema 1. Ever had eczema 2. Presumed - Never had eczema
DIS_ECZEMA_FAM_EVER	Family history of eczema	Occurrence of eczema at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of eczema 1. Family history of eczema 2. Presumed - No family history of eczema
DIS_ECZEMA_F_EVER	Lifetime occurrence of eczema in father	Occurrence of eczema at any point during the life of the participant's biological father.	0. Never had eczema 1. Ever had eczema 2. Presumed - Never had eczema
DIS_ECZEMA_M_EVER	Lifetime occurrence of eczema in mother	Occurrence of eczema at any point during the life of the participant's biological mother.	0. Never had eczema 1. Ever had eczema 2. Presumed - Never had eczema
DIS_ECZEMA_SIB_EVER	Lifetime occurrence of eczema in siblings	Occurrence of eczema at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had eczema 1. Ever had eczema 2. Presumed - Never had eczema
DIS_ECZEMA_SIB_NUM	Number of siblings with eczema	Total number of participant's biological siblings (one or two common parents) with eczema.	NA
DIS_PS_AGE	Age at first diagnosis of psoriasis	Age of the participant at first diagnosis of psoriasis	-7. Not Applicable
DIS_PS_CHILD_EVER	Lifetime occurrence of psoriasis in children	Occurrence of psoriasis at any point during the life of the participant's biological children.	0. Never had psoriasis 1. Ever had psoriasis 2. Presumed - Never had psoriasis
DIS_PS_CHILD_NUM	Number of children with psoriasis	Total number of participant's biological children with psoriasis.	NA
DIS_PS_EVER	Lifetime occurrence of psoriasis	Occurrence of psoriasis at any point during the life of the participant.	0. Never had psoriasis 1. Ever had psoriasis 2. Presumed - Never had psoriasis
DIS_PS_FAM_EVER	Family history of psoriasis	Occurrence of psoriasis at any point during the life of the participant's relatives (father, mother, siblings and children).	0. No family history of psoriasis 1. Family history of psoriasis 2. Presumed - No family history of psoriasis
DIS_PS_F_EVER	Lifetime occurrence of psoriasis in father	Occurrence of psoriasis at any point during the life of the participant's biological father.	0. Never had psoriasis 1. Ever had psoriasis 2. Presumed - Never had psoriasis
DIS_PS_M_EVER	Lifetime occurrence of psoriasis in mother	Occurrence of psoriasis at any point during the life of the participant's biological mother.	0. Never had psoriasis 1. Ever had psoriasis 2. Presumed - Never had psoriasis

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
DIS_PS_SIB_EVER	Lifetime occurrence of psoriasis in siblings	Occurrence of psoriasis at any point during the life of the participant's biological siblings (one or two common parents).	0. Never had psoriasis 1. Ever had psoriasis 2. Presumed - Never had psoriasis
DIS_PS_SIB_NUM	Number of siblings with psoriasis	Total number of participant's biological siblings (one or two common parents) with psoriasis.	NA
Medication supplements			
ATC_1	Chemical substance, 5th level of ATC classification - medication 1	Chemical substance of medication 1, 5th level of the ATC classification system	NA
ATC_1_L1	Anatomical main group, 1st level of ATC classification - medication 1	Anatomical main group of medication 1, 1st level of ATC classification system	NA
ATC_2	Chemical substance, 5th level of ATC classification - medication 2	Chemical substance of medication 2, 5th level of the ATC classification system	NA
ATC_2_L1	Anatomical main group, 1st level of ATC classification - medication 2	Anatomical main group of medication 2, 1st level of ATC classification system	NA
ATC_3	Chemical substance, 5th level of ATC classification - medication 3	Chemical substance of medication 3, 5th level of the ATC classification system	NA
ATC_3_L1	Anatomical main group, 1st level of ATC classification - medication 3	Anatomical main group of medication 3, 1st level of ATC classification system	NA
ATC_4	Chemical substance, 5th level of ATC classification - medication 4	Chemical substance of medication 4, 5th level of the ATC classification system	NA
ATC_4_L1	Anatomical main group, 1st level of ATC classification - medication 4	Anatomical main group of medication 4, 1st level of ATC classification system	NA
ATC_5	Chemical substance, 5th level of ATC classification - medication 5	Chemical substance of medication 5, 5th level of the ATC classification system	NA
ATC_5_L1	Anatomical main group, 1st level of ATC classification - medication 5	Anatomical main group of medication 5, 1st level of ATC classification system	NA
ATC_6	Chemical substance, 5th level of ATC classification - medication 6	Chemical substance of medication 6, 5th level of the ATC classification system	NA
ATC_6_L1	Anatomical main group, 1st level of ATC classification - medication 6	Anatomical main group of medication 6, 1st level of ATC classification system	NA
ATC_7	Chemical substance, 5th level of ATC classification - medication 7	Chemical substance of medication 7, 5th level of the ATC classification system	NA
ATC_7_L1	Anatomical main group, 1st level of ATC classification - medication 7	Anatomical main group of medication 7, 1st level of ATC classification system	NA
ATC_8	Chemical substance, 5th level of ATC classification - medication 8	Chemical substance of medication 8, 5th level of the ATC classification system	NA
ATC_8_L1	Anatomical main group, 1st level of ATC classification - medication 8	Anatomical main group of medication 8, 1st level of ATC classification system	NA
ATC_9	Chemical substance, 5th level of ATC classification - medication 9	Chemical substance of medication 9, 5th level of the ATC classification system	NA
ATC_9_L1	Anatomical main group, 1st level of ATC classification - medication 9	Anatomical main group of medication 9, 1st level of ATC classification system	NA
ATC_10	Chemical substance, 5th level of ATC classification - medication 10	Chemical substance of medication 10, 5th level of the ATC classification system	NA
ATC_10_L1	Anatomical main group, 1st level of ATC classification - medication 10	Anatomical main group of medication 10, 1st level of ATC classification system	NA
DIN_1	Drug identification number (DIN) - medication 1	Drug identification number (DIN) of medication 1	NA
DIN_2	Drug identification number (DIN) - medication 2	Drug identification number (DIN) of medication 2	NA
DIN_3	Drug identification number (DIN) - medication 3	Drug identification number (DIN) of medication 3	NA
DIN_4	Drug identification number (DIN) - medication 4	Drug identification number (DIN) of medication 4	NA
DIN_5	Drug identification number (DIN) - medication 5	Drug identification number (DIN) of medication 5	NA
DIN_6	Drug identification number (DIN) - medication 6	Drug identification number (DIN) of medication 6	NA
DIN_7	Drug identification number (DIN) - medication 7	Drug identification number (DIN) of medication 7	NA
DIN_8	Drug identification number (DIN) - medication 8	Drug identification number (DIN) of medication 8	NA
DIN_9	Drug identification number (DIN) - medication 9	Drug identification number (DIN) of medication 9	NA
DIN_10	Drug identification number (DIN) - medication 10	Drug identification number (DIN) of medication 10	NA
MED_1	Name - medication 1	Name of medication 1	NA
MED_2	Name - medication 2	Name of medication 2	NA
MED_3	Name - medication 3	Name of medication 3	NA
MED_4	Name - medication 4	Name of medication 4	NA
MED_5	Name - medication 5	Name of medication 5	NA
MED_6	Name - medication 6	Name of medication 6	NA
MED_7	Name - medication 7	Name of medication 7	NA
MED_8	Name - medication 8	Name of medication 8	NA
MED_9	Name - medication 9	Name of medication 9	NA
MED_10	Name - medication 10	Name of medication 10	NA
Non pharmacological interventions-Other non-pharmacological intervention			
HS_COL_EVER	Ever had colonoscopy	Indicator of whether the participant has ever had a colonoscopy.	0. Never had a colonoscopy 1. Ever had a colonoscopy
HS_COL_LAST	Last colonoscopy	Last time the participant had a colonoscopy, if the participant has ever had a colonoscopy.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
HS_SIG_COL_EVER	Ever had sigmoidoscopy or colonoscopy	Indicator of whether the participant has ever had a sigmoidoscopy or a colonoscopy.	0. Never had a sigmoidoscopy or colonoscopy 1. Ever had a sigmoidoscopy or colonoscopy
HS_SIG_COL_LAST	Last sigmoidoscopy or colonoscopy	Indicator of whether the participant has ever had a sigmoidoscopy or a colonoscopy, if the participant has ever had a sigmoidoscopy or colonoscopy.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
HS_SIG_EVER	Ever had sigmoidoscopy	Indicator of whether the participant has ever had a sigmoidoscopy.	0. Never had a sigmoidoscopy 1. Ever had a sigmoidoscopy
HS_SIG_LAST	Last sigmoidoscopy	Last time the participant had a sigmoidoscopy, if the participant has ever had a sigmoidoscopy.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
Non pharmacological interventions-Surgical interventions			
WH_BI_OOPHORECTOMY	Bilateral oophorectomy	Indicator of whether the ovaries were removed at the same time.	0. Both ovaries not removed at the same time 1. Both ovaries removed at the same time -7. Not Applicable
WH_HYSTERECTOMY_AGE	Hysterectomy onset	Age of the female participant at hysterectomy.	-7. Not Applicable
WH_HYSTERECTOMY_EVER	Occurrence of hysterectomy	Occurrence of hysterectomy at any point during the life of the female participant.	0. Never had a hysterectomy 1. Ever had a hysterectomy -7. Not Applicable
WH_OOPHORECTOMY_EVER	Occurrence of oophorectomy	Occurrence of oophorectomy at any point during the life of the female participant.	0. Never had a oophorectomy 1. Ever had a oophorectomy -7. Not Applicable
WH_OVARIES_LAST_AGE	Age at last oophorectomy	Age of the female participant at last oophorectomy.	-7. Not Applicable
WH_OVARIES_REMOVED_NB	Number of ovaries removed	Number of ovaries removed during the life of the female participant.	1. Had one ovary removed 2. Had both ovaries removed -7. Not Applicable
Non pharmacological interventions-Biosample analyses			
HS_FOBT_EVER	Ever had fecal occult blood test	Indicator of whether the participant has ever had a fecal occult blood test (FOBT).	0. Never had a fecal occult blood test 1. Ever had a fecal occult blood test
HS_FOBT_LAST	Last fecal occult blood test	Last time the participant had a fecal occult blood test (FOBT), if the participant has ever had a fecal occult blood test (FOBT).	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
HS_PAP_EVER	Ever had Pap test	Indicator of whether the female participant has ever had a Pap test (Pap smear).	0. Never had a Pap test 1. Ever had a Pap test -7. Not Applicable
HS_PAP_LAST	Last Pap test	Last time the participant had a Pap test or a smear test, if the female participant has ever had a Pap test (Pap smear).	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
HS_PSA_EVER	Ever had PSA blood test	Indicator of whether the male participant has ever had a PSA blood test for prostate cancer screening.	0. Never had a PSA blood test 1. Ever had a PSA blood test -7. Not Applicable
HS_PSA_LAST	Last PSA blood test	Last time the male participant had a PSA blood test for prostate cancer screening, if the male participant has ever had a PSA blood test.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
Non pharmacological interventions-Radiological intervention			
HS_MMG_EVER	Ever had mammography	Indicator of whether the female participant has ever had a mammography.	0. Never had a mammography 1. Ever had a mammography -7. Not Applicable
HS_MMG_LAST	Last mammography	Last time the female participant had a mammography, if the female participant has ever had a mammography.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
Health community care utilization-Visit health professionals			
HS_DENTAL_VISIT_EVER	Ever had dental professional visit	Indicator of whether the participant has ever had a dental professional visit.	0. Never had a dental professional visit 1. Ever had a dental professional visit
HS_DENTAL_VISIT_LAST	Last visit with dental professional	Last time the participant saw a dental professional, including a dentist or hygienist, if the participant has ever had dental professional visit.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
HS_ROUTINE_VISIT_EVER	Ever had routine medical check-up	Indicator of whether the participant has ever had a routine medical check-up undertaken by a doctor or a nurse.	0. Never had routine medical check-up 1. Ever had routine medical check-up
HS_ROUTINE_VISIT_LAST	Last routine medical check-up	Last time the participant had a routine medical check-up undertaken by a doctor or a nurse, if the participant has ever had a routine medical check-up.	1. Less than 6 months ago 2. 6 months to less than 1 year ago 3. 1 year to less than 2 years ago 4. 2 years to less than 3 years ago 5. 3 or more years ago -7. Not Applicable
Reproduction-Gravidity, pregnancy outcomes, parity and fertility			
MH_CHILDREN_FATHERED	Number of children fathered	Number of children (live birth only) a male participant has fathered.	-7. Not Applicable
MH_CHILDREN_FATHERED_CAT	Number of children fathered - categorical	Number of children (live birth only) a male participant has fathered.	0. No children 1. 1 child 2. 2 children 3. 3 children 4. 4 children 5. 5 children 6. 6 children 7. 7 children 8. 8 children 9. 9 children 10. 10 children 11. 11 children 12. 12 children and more -7. Not Applicable
WH_GRAVIDITY	Gravidity	Total number of times a female participant has been pregnant.	-7. Not Applicable
WH_GRAVIDITY_CAT	Gravidity - categorical	Total number of times a female participant has been pregnant.	0. No pregnancy 1. 1 pregnancy 2. 2 pregnancies 3. 3 pregnancies 4. 4 pregnancies 5. 5 pregnancies 6. 6 pregnancies 7. 7 pregnancies and more -7. Not Applicable
WH_LIVE_BIRTHS	Number of live births mothered	Total number of live births the female participant has had.	-7. Not Applicable
WH_LIVE_BIRTHS_CAT	Number of live births mothered - categorical	Total number of live births the female participant has had.	0. No live birth 1. 1 live birth 2. 2 live births 3. 3 live births 4. 4 live births 5. 5 live births 6. 6 live births 7. 7 live births 8. 8 live births 9. 9 live births 10. 10 live births 11. 11 live births 12. 12 live births and more -7. Not Applicable
WH_PREG_20WK	Number of pregnancies of at least 20 weeks	Total number of the female participant's pregnancies that lasted at least 20 weeks.	-7. Not Applicable
Reproduction-Menstruation, menopause, andropause			
WH_HRT_AGE	Age started using hormone replacement therapy	Age of the female participant when she started using hormone replacement therapy.	-7. Not Applicable

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
WH_HRT_DURATION	Duration of use of hormone replacement therapy	Total duration (in months) of hormone replacement therapy use during the lifetime of the female participant.	-7. Not Applicable
WH_HFT_EVER	Ever received hormone fertility treatment	Indicator of whether the female participant has ever received hormone fertility treatment during her life.	0. Never had hormone fertility treatment 1. Ever had hormone fertility treatment -7. Not Applicable
WH_MENOPAUSE_AGE	Age at menopause	Age of the female participant at menopause.	-7. Not Applicable
WH_MENOPAUSE_EVER	Occurrence of menopause	Occurrence of menopause at any point during the life of the female participant.	0. Never went through menopause 1. Ever went through menopause -7. Not Applicable
WH_MENOPAUSE_REASON	Menopause reason	Reason for menopause onset (natural or induced).	1. Went through menopause for natural reasons 2. Went through menopause for other reasons (surgery, chemotherapy, medication) -7. Not Applicable
WH_MENSTRUATION_AGE	Age at menarche	Age of the female participant at menarche.	-7. Not Applicable
Reproduction-Pregnancy delivery			
WH_PREG_CUR	Currently pregnant	Indicator of whether the female participant is currently pregnant.	0. Not currently pregnant 1. Currently pregnant -7. Not Applicable
WH_PREG_CUR_WK	Number of weeks current pregnancy	Total number of weeks of the female participant's current pregnancy.	-7. Not Applicable
WH_PREG_FIRST_AGE	Age at first pregnancy	Age of female participant when she first became pregnant.	-7. Not Applicable
WH_PREG_LAST_AGE	Age at last pregnancy	Age of the female participant when she last became pregnant.	-7. Not Applicable
Reproduction-Contraception			
WH_CONTRACEPTIVES_AGE	Age started using hormonal contraceptives	Age of the female participant when she started using hormonal contraceptives.	-7. Not Applicable
WH_CONTRACEPTIVES_DURATION	Duration of use of hormonal contraceptives	Total duration (in months) of hormonal contraceptives use during the lifetime of the female participant.	-7. Not Applicable
WH_CONTRACEPTIVES_EVER	Ever used hormonal contraceptives	Indicator of whether the female participant has ever used hormonal contraceptives.	0. Never used hormonal contraceptives 1. Ever used hormonal contraceptives -7. Not Applicable
Reproduction-Breastfeeding			
WH_BREASTFEEDING_DURATION	Duration of breastfeeding	Total duration (in months) of breastfeeding during the lifetime of the female participant, including all different children breastfed.	-7. Not Applicable
Reproduction-Reproductive sexual problems			
WH_HRT_EVER	Ever used hormone replacement therapy	Indicator of whether the female participant has ever used hormone replacement therapy.	0. Never used hormone replacement therapy 1. Ever used hormone replacement therapy -7. Not Applicable
Physical measures-Anthropometric measures			
PM_BMI_SR	Body mass index - self-reported	Weight (in kg) divided by height (in m) squared. Body mass index = (Weight) / (Standing height * 0.01) ² Measure taken and reported by the participant.	NA
PM_HIP_SR_AVG	Average hip circumference - self-reported	Average of the two hip circumference measurements. Measure taken and reported by the participant.	NA
PM_STAND_HEIGHT_SR_AVG	Average standing height - self reported	Average of the two vertical measurements or distance from the foot to the head of the participant when he/she is standing. Measure taken and reported by the participant.	NA
PM_WAIST_HIP_RATIO_SR	Waist to hip ratio - self-reported	Ratio calculated using waist and hip circumference measurements. Measure taken and reported by the participant.	NA
PM_WAIST_SR_AVG	Average waist circumference - self-reported	Average of the two waist circumference measurements. Measure taken and reported by the participant.	NA
PM_WEIGHT_SR_AVG	Average weight - self-reported	Average of the two weight measurements. Measure taken and reported by the participant.	NA
Physical measures-Physical characteristics			
PM_HANDEDNESS	Handedness	Dominant use or manifestations of one side of the body versus the other.	1. Right-handed 2. Left-handed 3. Ambidextrous
UVE_EYE	Natural eye colour	Natural eye color of the participant.	1. Amber 2. Blue 3. Brown 4. Grey 5. Green 6. Hazel 7. Red (Albino)
UVE_HAIR	Natural hair color	Natural hair color of the participant.	1. Blonde 2. Red 3. Light Brown 4. Dark Brown 5. Black
Physical environment-Chemical exposure			
PSE_ADULT_HOME_DURATION	Duration of passive smoking exposure during adulthood at home	Total duration of passive smoking exposure inside participant's home during adulthood.	NA
PSE_ADULT_WRK_DURATION	Duration of passive smoking exposure during adulthood at work	Total duration of passive smoking exposure during adulthood at work.	NA
PSE_CHILDHOOD_DURATION	Duration of passive smoking exposure during childhood	Total duration of passive smoking exposure inside participant's home during childhood.	NA
PSE_HOME_FREQ	Frequency of usual passive smoking exposure at home	Indicator of the frequency at which the participant is usually exposed to other people's tobacco smoke at home.	0. Never 1. Less than once a week 2. At least once a week 3. Almost every day 4. Every day
PSE_LEISURE_FREQ	Frequency of usual passive smoking exposure during leisure activities	Indicator of the frequency at which the participant is usually exposed to other people's tobacco smoke during leisure activities outside home.	0. Never 1. Less than once a week 2. At least once a week 3. Almost every day 4. Every day

Appendix 1 (as supplied by the authors): List of the Health and Risk Factor Questionnaire DataSchema variables (Version 2.0 - Oct. 2017)

Variable	label	Description	Categories
PSE_WRK_FREQ	Frequency of usual passive smoking exposure at work	Indicator of the frequency at which the participant is usually exposed to other people's tobacco smoke at work.	0. Never 1. Less than once a week 2. At least once a week 3. Almost every day 4. Every day
Physical environment-Radiation exposure			
UVE_PROTECTION	Use of sun protection	Indicator of the frequency at which the participant uses sun protection during summer months when exposed to the sun for a minimum of 30 minutes.	0. Never 1. Rarely 2. Sometimes 3. Often 4. Always
UVE_SKIN_REACTION	Skin reaction to the sun	Reaction of the participant's skin when he is exposed to the sun during summer months, in the middle of the day for one hour, without any sun protection.	0. Nothing would happen in an hour 1. Turning darker without a sunburn 2. Mildly burnt with some tanning 3. A severe sunburn for a few days with peeling 4. Get a severe sunburn with blisters 5. Other
UVE_TANNING_CUR	Current use of artificial tanning equipment	Indicator of the frequency at which the participant used artificial tanning equipment, for any reasons, in the past 12 months.	0. Never 1. 1 to 4 times 2. 5 to 9 times 3. 10 to 14 times 4. 15 to 19 times 5. 20 to 24 times 6. 25 or more times
UVE_TIME_WKDAY	Time spent in the sun on typical weekdays	Time per day the participant typically spends in the sun between 11 am and 4 pm on weekdays, during summer months.	1. Less than 30 minutes 2. 30 to 59 minutes 3. 1 hour to less than 2 hours 4. 2 hours to less than 3 hours 5. 3 hours to less than 4 hours 6. 4 hours or more
UVE_TIME_WKEND	Time spent in the sun on typical weekend days	Time per day the participant typically spends in the sun between 11 am and 4 pm on weekend days, during summer months	1. Less than 30 minutes 2. 30 to 59 minutes 3. 1 hour to less than 2 hours 4. 2 hours to less than 3 hours 5. 3 hours to less than 4 hours 6. 4 hours or more
Administrative information-Physical measure biosample related information			
PM_ABLE_STAND	Able to stand	Indicator of whether the participant is able to stand.	0. Not able to stand without assistance 1. Able to stand without assistance
Administrative information-Questionnaire interview related information			
ADM_QX_FORMAT	Questionnaire administration format	Format of the questionnaire administered to the participant.	1. Paper questionnaire 2. Teleform questionnaire 3. Computerized questionnaire 4. Online questionnaire
ADM_QX_LANGUAGE	Questionnaire administration language	Language of the questionnaire administered to the participant.	1. English 2. French
ADM_QX_VERSION	Questionnaire version	Version of the questionnaire administered to the participant.	NA
ADM_STUDY_DATASET	Regional cohort dataset name	Name of the regional cohort dataset.	NA
PA_IPAQ_VERSION	IPAQ version	Version of the IPAQ (short or long form) administered to the participant.	1. IPAQ short 2. IPAQ long
Administrative information-Identifiers			
ADM_FSA	Forward Sortation Area (FSA)	Forward sortation area of the participant's residence at questionnaire completion.	NA
ADM_STUDY_ID	Regional cohort ID	Identification number of the regional cohort.	NA
Administrative information-Date and time related information			
ADM_QX_COMPLETION	Date of questionnaire completion	Date on which the questionnaire is completed (yyyy-MM-dd).	NA