

# BMJ Open Public perceptions of brain health: an international, online cross-sectional survey

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**To cite:** Budin-Ljøsne I, Mowinckel AM, Friedman BB, *et al*. Public perceptions of brain health: an international, online cross-sectional survey. *BMJ Open* 2022;**12**:e057999. doi:10.1136/bmjopen-2021-057999

► Prepublication history and additional supplemental material for this paper are available online. To view these files, please visit the journal online (<http://dx.doi.org/10.1136/bmjopen-2021-057999>).

Received 11 October 2021  
Accepted 24 March 2022



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## ABSTRACT

**Objectives** To investigate public perspectives on brain health.

**Design** Cross-sectional multilanguage online survey.

**Setting** Lifebrain posted the survey on its website and social media and shared it with stakeholders. The survey was open from 4 June 2019 to 31 August 2020.

**Participants** n=27 590 aged ≥18 years from 81 countries in five continents completed the survey. The respondents were predominantly women (71%), middle aged (41–60 years; 37%) or above (>60 years; 46%), highly educated (69%) and resided in Europe (98%).

**Main outcome measures** Respondents' views were assessed regarding factors that may influence brain health, life periods considered important to look after the brain and diseases and disorders associated with the brain. We run exploratory linear models at a 99% level of significance to assess correlates of the outcome variables, adjusting for likely confounders in a targeted fashion.

**Results** Of all significant effects, the respondents recognised the impact of lifestyle factors on brain health but had relatively less awareness of the role socioeconomic factors might play. Most respondents rated all life periods as important for the brain (95%–96%), although the prenatal period was ranked significantly lower (84%). Equally, women and highly educated respondents more often rated factors and life periods to be important for brain health. Ninety-nine per cent of respondents associated Alzheimer's disease and dementia with the brain. The respondents made a connection between mental health and the brain, and mental disorders such as schizophrenia and depression were significantly more often considered to be associated with the brain than neurological disorders such as stroke and Parkinson's disease. Few respondents (<32%) associated cancer, hypertension, diabetes and arthritis with the brain.

**Conclusions** Differences in perceptions of brain health were noted among specific segments of the population. Policies providing information about brain-friendly health behaviours and targeting people less likely to have relevant experience may be needed.

## Strengths and limitations of this study

- We recruited online an unusually large international sample of people to interrogate about their perceptions of brain health.
- The survey was developed in collaboration with representatives from national brain councils, brain foundations and research registries interested in brain health and was made available online in 14 languages.
- The survey responders were not representative of the general population being mostly middle aged or older, highly educated, female and probably already interested in brain health.
- The knowledge gaps observed in this sample of largely highly educated individuals are likely to be an issue, and perhaps even to a greater degree, in the broader population.

## INTRODUCTION

Many neurological and mental conditions affect the brain's structure and function like dementia, stroke, depression and schizophrenia, and significantly contribute to the global burden of non-communicable diseases.<sup>1</sup> The US National Institute on Aging recently described brain health as the ability to 'remember, learn, plan, concentrate, and handle challenges [...] and be mentally and emotionally in balance, [...] making the most of the brain and taking care of it'.<sup>2</sup> There is increasing evidence that adopting healthy lifestyles including physical activity, having a healthy diet and good cardiovascular control, restraining from substance use, avoiding chronic stress and perhaps getting enough sleep may reduce risk of developing some brain diseases, although such impacts are not conclusively understood.<sup>3 4</sup>



Knowledge regarding how people perceive brain health, and what actions they are willing to take to maintain a healthy brain, is needed. In Europe, surveys aiming to investigate public perceptions of cognitive health have been conducted in Ireland,<sup>5,6</sup> the Netherlands<sup>7</sup> and the UK,<sup>8</sup> and suggest limited knowledge and awareness of dementia, dementia risk and factors contributing to cognitive decline. Studies conducted in France<sup>9</sup> and the UK<sup>10</sup> reported a lack of understanding of some mental disorders such as schizophrenia, bipolar disorders and autism. In Slovenia, a recent survey reported that, despite awareness of the importance of brain health, laypeople were unlikely to adopt purposefully behaviours beneficial for the brain due to lack of time and information.<sup>11</sup> Qualitative studies conducted in the UK<sup>12,13</sup> and elsewhere in Europe<sup>14</sup> showed varying awareness of actions beneficial for the brain, and emphasised the importance of providing people with evidence-based and trustworthy information to encourage adoption of brain-friendly behaviours. Studies conducted in Australia and New Zealand have also reported limited knowledge about cognitive health and Alzheimer's disease (AD)<sup>15</sup> and potential measures to reduce risk of dementia and cognitive decline.<sup>16–19</sup> A 2015 systematic review of public perceptions about risk and protective factors for cognitive health and impairment concluded that although some awareness was present regarding risk factors for cognitive impairment, efforts should be made to provide the general public with accurate information regarding risk-reducing strategies.<sup>20</sup>

These studies offer useful insights to understand public perceptions of brain health but usually were conducted at national level and included samples of limited size. They often focused on one specific aspect of brain health, such as cognitive health or a mental illness, used different measures and instruments and did not share a common definition of brain health, making a comparison of results between studies challenging. Investigating perceptions of brain health in a larger sample and exploring how views may differ depending on gender, age and education will provide new and useful knowledge to guide brain health promotion. If there is a mismatch between what people consider important and what the best available evidence suggests, there may be considerable public health gains to explain the benefits or dangers of certain factors, especially those that could be acted on by the individual.

In June 2019, the Lifebrain consortium<sup>21</sup> launched the 'Global Brain Health Survey'.<sup>22</sup> Lifebrain is a European consortium including 16 partners and data from brain imaging cohorts in eight European countries, totalling approximately 6000 research participants.<sup>23</sup> We aimed to investigate the perspectives of participants in the Lifebrain cohorts and members of the public on brain health. The survey was conducted online and featured as 'global' to invite anyone interested in the topic of brain health to take the survey irrespective of geographical location. The survey included four overall themes: perception of some aspects of brain health (reported here), interest in undertaking brain health tests, motivations to look

after one's brain<sup>24</sup> and support needed to make lifestyle changes beneficial for the brain.<sup>25</sup> In this paper, we report responses to survey questions relating to: (1) factors believed to influence brain health, (2) specific life periods considered important to look after one's brain, and (3) diseases and disorders associated with the brain. Whereas extrapolating from responses in this convenience sample to the general population will not be feasible considering the sample characteristics in different countries, we adjust the results for confounding variables, such as age and education, where appropriate.

## METHODS

A detailed description of the survey's background and design, technical platform as well as a summary of the main questionnaire has been published elsewhere.<sup>22</sup> In brief, the survey included 16 multiple-choice questions addressing brain health perceptions and 12 questions on demographics. The questions were developed using an interview guide from a previous qualitative interview study, where we investigated Lifebrain research participants' perceptions of brain health.<sup>26</sup> The survey was translated to 14 languages, including English, Danish, Spanish, French, Norwegian, Catalan, German, Swedish, Hungarian, Ukrainian, Italian, Dutch, Chinese (simplified Mandarin) and Turkish. The study applied the procedure of back translation. The survey was made freely available online from the Lifebrain website [www.lifebrain.uio.no](http://www.lifebrain.uio.no), was anonymous and took approximately 15–20 min to complete. No financial compensation was provided to respondents. On the introductory survey page, the US National Institute on Aging's description of brain health was provided.<sup>2</sup> The survey was available from June 2019 and was closed on 31 August 2020. To be able to submit their questionnaire, the respondents had to consent to the use of their data for research and complete at least five multiple-choice questions and the 12 demographic questions.

## Patient and public involvement

The draft survey questionnaire was shared and discussed with representatives from patient organisations and national brain councils<sup>27</sup> in Europe, Lifebrain researchers and cohort participants, and members of the public who participated in Lifebrain stakeholder workshops and public lectures in Spain, Norway and the UK. Their suggestions for improvement were integrated in later versions of the questionnaire. The questionnaire was also shared with national brain councils in Norway, Belgium and Germany, and brain foundations, and some agreed to become official co-organisers of the survey.

## Sampling

The survey was primarily distributed via the Lifebrain cohorts' websites, social media and E-newsletters, and with help from approximately 20–25 European organisational stakeholders in the consortium network. National

brain councils, brain foundations, universities, research projects, professional societies, patient organisations and charities, and research registries, whose mission is to match interested volunteers with research groups, invited their members to take the survey. In addition, Lifebrain researchers posted the survey on their websites and social media, and distributed leaflets presenting the survey at conferences, scientific events, in public libraries and hospital waiting rooms. The survey was also featured in Scandinavian media.<sup>28 29</sup> As the survey was freely available online, it is likely that it has been shared by other stakeholders outside of Europe.

### Measures

We used three of the 16 multiple-choice questions in the survey questionnaire providing information about perceptions of brain health, and 12 demographic questions. The three multiple-choice questions were not mandatory and could be skipped by the respondents, whereas the 12 demographic questions were mandatory. For each multiple-choice question, respondents could endorse any number of items.

### Factors influencing brain health

The first question was: ‘In your opinion, to what extent do the following influence brain health?’. A list of 11 factors was provided including physical health, diet, physical environment (eg, air pollution, noise), social environment (eg, family, social network), education, profession, family income, genetics and family medical history, substance use (eg, alcohol, smoking and drugs), sleeping habits and having goals that make life meaningful. The respondents could rate the factors using a 5-item Likert scale (very strong, strong, moderate, weak or no influence).

### Specific life periods to look after one’s brain

The second question was: ‘In your opinion, at what stages in life is it important to look after one’s brain?’. Respondents could rate six life periods: in the womb (before birth), childhood (from birth to 12 years), adolescence (13–18 years), young adulthood (19–45 years), middle age (46–65 years) and old age (over 65 years), using a 4-item Likert scale (very important, important, moderately important, not important).

### Diseases and disorders associated with the brain

The third question was: ‘Which of the following diseases/disorders do you associate with the brain?’. A list of 13 disorders was provided, of which 10 are recognised brain disorders (ie, AD and other forms of dementia, bipolar disorder, schizophrenia, Parkinson’s disease, addiction, stroke, depression, migraine, anxiety, cancer), and three are known to have an impact on the brain (ie, diabetes, arthritis and hypertension). When listing cancer, we did not specify whether it referred to brain cancer or other types of cancer.

### Demographic questions

The respondents were asked about their age category (18–25, 26–40, 41–60, 61–70, 71–80, over 80), gender (male, female, other, prefer not to tell), highest attained educational qualification (primary school, special educational school, secondary school, vocational training, university/college degree), relationship/civil status (single, in a stable relationship but not married, married, divorced or separated, or widowed) and occupational status (employed for wages or self-employed, unemployed, home maker, student, retired, unable to work, or doing unpaid or voluntary work). The respondents were also asked to rate their ability to think, remember and learn (hereafter referred to as self-reported *cognitive health*) as well as their ability to be mentally and emotionally in balance (hereafter referred to as self-reported *mental health*) using a 5-item Likert scale (excellent, above average, average, below average, very poor). Finally, we asked for information about country of residence, previous experience of participating in brain research (yes, no), educational or work experience in healthcare (yes, no), experience of long-standing illness, disability or health problem (yes, no) and experience of looking after a family member with brain disease (yes, no).

### Statistical analysis

Exploratory linear models were performed on all survey questions presented applying R V.4.1.0.<sup>30</sup> Ten models were used per response category, exploring the relationship between demographic characteristics and responses. We report binarised responses and ORs for the purposes of communication and simplicity. However, we are aware of the potential pitfalls,<sup>31</sup> so for purposes of robustness, we also report the data modelled as continuous in the online supplemental materials, and note the general agreement between the binary and continuous models (see online supplemental material 1). Complete detailed descriptive statistics are provided for all questions in online supplemental material 2 and the continuous, binary and ordinal models for question 1 and question 2 are provided in online supplemental material 3. Only responses from submitted questionnaires were used in the analysis.

For the first question (factors influencing brain health), responses of ‘very strong’ and ‘strong’ were classified as indicating an association between the question and response category, while the remaining options (‘moderate’, ‘weak’ and ‘no influence’) were categorised as indicating no association. Similarly, in the second question (life periods to take care of one’s brain), responses of ‘very important’ and ‘important’ were classified as indicating that respondents considered the life period as important to take care of the brain, indicating a positive association between the question and response category, whereas responses of the remaining ‘moderately important’ and ‘not important’ were classified as indicating that the respondents considered the life period as not so important or not important. The third question was already on a binary scale, where responses were logged by

selecting from a list of diseases and disorders associated with brain health. For each category, separate predictive logistic regression models for (1) age, (2) gender, (3) education, (4) relationship status, (5) experience or education in healthcare, (6) experience with illness, (7) experience of being a caregiver for someone with a brain disease, (8) rating of own cognitive health, and (9) rating of own mental health as predictors were computed.

Demographic variables with more than three response categories were reduced to aid interpretation of results. Education was reduced to whether the subject had higher education (university degree) or not. Age was reduced to three categories: 'youngest' (those below 40 years), 'middle-aged' (those between 40 and 60 years) and 'oldest' (those above 60 years, the largest response group). Gender was reduced to three categories: 'woman', 'man' and 'other/prefer not to tell'. The ratings of subjects' own mental and cognitive health were reduced to two categories: one for those rating their health as average or above, and those rating their health as below average. Relationship was reduced to those being in a stable relationship (married and domestic partnerships) or not. The base comparison groups for each predictor variable were set as the category where there was the highest number of subjects.

The very large sample size with high statistical power made it very likely that group differences apparent on inspection of numbers were statistically significant. This means that many statistically significant results may not be of practical importance. We report results significant at the 1% level of probability, with false discovery rate correction across all models and covariates for each outcome variable. We used multivariable testing with logistic regression to adjust results only for questions 1 and 2 adjusting the observed sex effect for age and education. Similarly, in question 3, we controlled the 'stable relationship effect' for age and education. Finally, the Strengthening the Reporting of Observational Studies in Epidemiology cross-sectional reporting guidelines were used.<sup>32</sup>

## RESULTS

### Respondent characteristics

In total, 27 590 respondents from 81 countries completed the survey. 99.9% of respondents (n=27 552) completed the first question, 99.8% (n=27 536) completed the second question and 99.8% (n=27 530) completed the third question. All respondents completed the demographic questions.

Table 1 provides an overview of the number of respondents by country. The respondents predominantly lived in Europe (98%), including the UK (36.8%), the Netherlands (25.5%), Norway (12.9%), Spain (7.6%), Denmark (4.0%), Germany (3.8%) and Sweden (2.8%). Respondents outside Europe primarily resided in the USA (0.6%) and Turkey (0.5%). Due to large variation in the number of responses between countries, and varying recruitment

**Table 1** Number of respondents by country

Country	Respondents (n)	% of total
UK	10 160	36.8
The Netherlands	7 023	25.5
Norway	3 549	12.9
Spain	2 095	7.6
Denmark	1 101	4.0
Germany	1 060	3.8
Sweden	760	2.8
Italy	311	1.1
Ukraine	311	1.1
Hungary	187	0.7
USA	165	0.6
Slovenia	148	0.5
Turkey	139	0.5
Belgium	115	0.4
Other (<100 respondents per country)	466	1.7
Total	27 590	100

strategies from one country to another, making meaningful comparisons of responses between countries is hardly feasible. We thus only provide below the results for the whole sample across countries.

Table 2 provides an overview of the demographic characteristics of the whole sample. The respondents were predominantly middle aged (41–60: 37.4%) or older (>60: 46.2%), women (71.1%), married or in a relationship (71.8%) and highly educated (68.6%). About half of the respondents (51.4%) reported being in paid employment and a third (38.5%) having an educational or employment experience in healthcare. The respondents largely rated their cognitive health (93.9%) and their mental health (86.8%) as average or above average. 40.4% of respondents reported having a long-standing illness, disability or health problem. 46.5% reported having an experience of looking after a family member with brain disease, and 43.2% an experience of participating in brain research. A majority of respondents (57%) had been recruited through the research registries Join Dementia Research<sup>33</sup> in the UK and Hersenonderzoek.nl<sup>34</sup> in the Netherlands. The demographic characteristics of respondents in the seven European countries with most responses are provided in online supplemental material 4.

### Factors influencing brain health

Figure 1 shows how many respondents rated each factor as having strong or very strong influence on brain health. Most respondents rated substance use (92% of participants), physical health (87%), sleeping habits (85%), social environment (83%) and genetics (83%) as having a strong/very strong influence on brain health, followed

**Table 2** Demographic characteristics of the whole sample

Respondents	Respondents (n)	% of total
<b>Gender</b>		
Women	19626	71.1
Men	7833	28.4
Other	131	0.5
Total	27590	100.0
<b>Age range (years)</b>		
18–40	4502	16.4
41–60	10328	37.4
>60	12760	46.2
<b>Education</b>		
Higher education	18925	68.6
Lower education	8665	31.4
<b>Relationship status</b>		
Yes	19819	71.8
No	7771	28.2
<b>Occupation*</b>		
Employed for wages	14181	51.4
Retired	10550	38.2
Other	9708	35.2
<b>Employment and/or education in healthcare</b>		
No	16955	61.5
Yes	10635	38.5
<b>Participation in brain research</b>		
No	15671	56.8
Yes	11919	43.2
<b>Self-rated cognitive health</b>		
Below average	1661	6.1
Average or above average	25929	93.9
<b>Self-rated mental health</b>		
Below average	3632	13.2
Average or above average	23958	86.8
<b>Experience of illness, disability or health problem</b>		
No	16451	59.6
Yes	11139	40.4
<b>Experience as caregiver of patient with brain disease</b>		
No	14762	53.5
Yes	12828	46.5

\*Percentages add up to >100% and n>27 590 because multiple responses were allowed.

by life goals (72%), physical environment (72%), diet (71%) and socioeconomic factors such as education (61%), profession (56%) and income (36%). Other respondents rated the factors as having a moderate, weak or no influence on brain health. A detailed description of how factors were rated by all respondents according to a

5-item Likert scale is provided in the online supplemental material 2, sections 1.1–1.11.

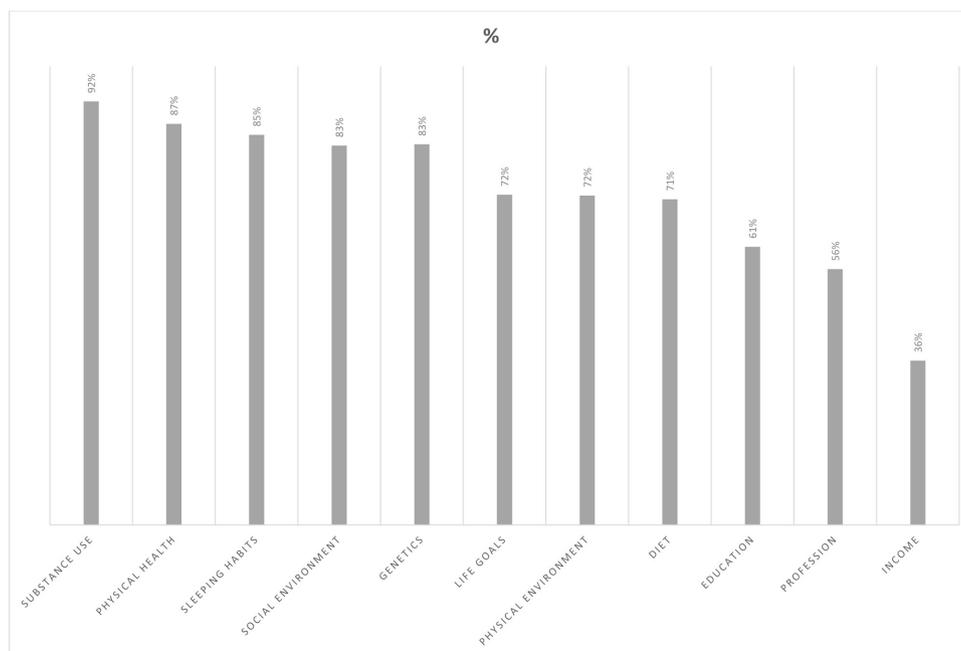
Differences in response patterns were observed between demographic groups of respondents (table 3). Men were less likely than women to consider factors such as substance use (OR 0.66, 99% CI 0.58 to 0.74), sleeping habits (OR 0.68, 99% CI 0.62 to 0.74) and diet (OR 0.70, 99% CI 0.65 to 0.75) as having strong or very strong influence on the brain. In contrast, men were more prone to rate profession (OR 1.18, 99% CI 1.10 to 1.27) and education (OR 1.13, 99% CI 1.05 to 1.21) as important. After controlling for education level and age, these effects remained significant. Respondents with low education put less emphasis on factors such as education (OR 0.62, 99% CI 0.58 to 0.66), physical health (OR 0.73, 99% CI 0.66 to 0.81), profession (OR 0.75, 99% CI 0.71 to 0.81) and substance use (OR 0.75, 99% CI 0.67 to 0.85) as compared with highly educated respondents. However, they had higher odds of considering income (OR 1.11, 99% CI 1.04 to 1.19) and physical environment (OR 1.06, 99% CI 0.98 to 1.14) as having a strong/very strong influence on brain health.

Respondents older than 60 years gave more importance to income than participants below 40 years of age (OR 0.81, 99% CI 0.73 to 0.89) and respondents aged 41–60 years (OR 0.98, 99% CI 0.91 to 1.05). The same was observed for having meaningful goals in life. In contrast, importance given to sleep decreased with age and respondents below 40 years of age (OR 2.78, 99% CI 2.39 to 3.23), and respondents aged 41–60 years (OR 2.06, 99% CI 1.87 to 2.28) more often rated sleep as having a strong/very strong influence on brain health as compared with the respondents older than 60 years. The same accounted for factors such as social environment, diet and profession.

Respondents with a higher education level, respondents with a reported education or experience in healthcare, respondents who self-rated their cognitive and mental health as average or above and women were more prone to rate all factors as having a strong or very strong influence on brain health (see online supplemental material 5, section 1). In contrast, respondents who self-rated their cognitive and mental health as below average were less likely to rate all factors as having a strong or very strong influence on brain health, with one notable exception. Respondents rating their mental health as below average were more likely to rate sleep as important (OR 1.33, 99% CI 1.16 to 1.53) as compared with respondents rating their mental health as average or above. Likewise, respondents in a stable relationship were less prone to rate sleep as important (OR 0.81, 99% CI 0.74 to 0.89), and more prone to rate genetics as important (OR 1.20, 99% CI 1.11 to 1.31) as compared with other respondents not in a stable relationship.

### Life periods to look after ones' brain

Figure 2 shows that the respondents rated most life periods as important or very important for the brain (95%–96%), whereas the prenatal stage (in the womb/



**Figure 1** Factors believed to have a strong influence on brain health. % indicates proportion of participants rating this factor as having a ‘strong’ or ‘very strong’ influence on brain health, with the remainder of participants rating it as ‘moderate’, ‘weak’ or ‘no influence’.

before birth) was rated as important or very important by 84% of respondents (online supplemental material 2, section 2).

Table 4 shows that men were less likely to consider life periods such as the middle age (OR 0.41, 99% CI 0.35 to 0.48) and old age (OR 0.41, 99% CI 0.35 to 0.49) as important as compared with women. This was also observed when controlling for age and education. Respondents with lower education were also less likely to rate life periods as important as compared with higher educated respondents, except for young adulthood (OR 1.06, 99% CI 0.90 to 1.24). The youngest respondents (<40) were less likely to consider middle age (OR 0.82, 99% CI 0.67 to 1.00) and old age as important (OR 0.55, 99% CI 0.45 to 0.67) compared with the oldest respondents (>60). Rather, the youngest respondents were more likely to consider childhood (OR 1.89, 99% CI 1.51 to 2.37) and adolescence important (OR 2.14, 99% CI 1.60 to 2.85) as compared with the oldest respondents (>60).

Respondents with an education or experience in healthcare were more prone to consider the life periods as important, especially pregnancy (OR 1.91, 99% CI 1.74 to 2.10) and childhood (OR 2.06, 99% CI 1.74 to 2.43) as compared with other respondents with no experience (online supplemental material 5, section 2). Respondents with lower education were consistently less likely to consider the life periods as important as compared with respondents with higher education, except for young adulthood, which they were more likely to consider important as compared with the highly educated (OR 1.06, 99% CI 0.90 to 1.24). Respondents in a stable relationship were more prone to consider important taking care of the brain in old age (OR 1.21, 99% CI 1.03 to

1.41) as compared with respondents not in a stable relationship.

#### Diseases and disorders associated with the brain

Figure 3 shows that 99% of the respondents associated AD and other forms of dementia with the brain. The next most often selected disorders were mental disorders like schizophrenia (96%), depression (95%), bipolar disorder (92%), anxiety (91%) and addiction (88%). Disorders least often associated with the brain included cancer (32%), hypertension (32%), diabetes (16%) and arthritis (5%).

Women were more likely than men to associate the diseases with the brain, and this was particularly observed for bipolar disorder (OR 0.47, 99% CI 0.42 to 0.53), stroke (OR 0.53, 99% CI 0.48 to 0.58) and schizophrenia (OR 0.64, 99% CI 0.54 to 0.75) (table 5). A similar trend was observed among lower educated respondents, who were less likely to select disorders such as bipolar disorder (OR 0.42, 99% CI 0.38 to 0.47) and AD/dementia (OR 0.48, 99% CI 0.34 to 0.67) as compared with highly educated respondents.

The youngest respondents (aged <40) were less likely to associate with the brain diseases often appearing in old age such as AD/dementia (OR 0.35, 99% CI 0.23 to 0.51), stroke (OR 0.76, 99% CI 0.67 to 0.87), hypertension (OR 0.65, 99% CI 0.59 to 0.72) and Parkinson’s disease (OR 0.80, 99% CI 0.71 to 0.91), as compared with respondents aged >60. In contrast, they more often selected disorders such as migraine (OR 2.18, 99% CI 1.91 to 2.48) and bipolar disorder (OR 1.90, 99% CI 1.59 to 2.26), addiction (OR 1.50, 99% CI 1.29 to 1.74) or anxiety (OR 1.44,

**Table 3** Factors believed to have a strong influence on brain health by demographic groups

Variable	Characteristics	Substance use			Genetics			Physical health		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	93.3			83.4			88.3		
	Men	90.1	0.66	0.58 to 0.74	80.0	0.79	0.73 to 0.87	85.3	0.77	0.70 to 0.85
	Other/undisclosed	85.8	0.44	0.23 to 0.84	69.8	0.46	0.28 to 0.76	85.0	0.75	0.39 to 1.43
Age (years)	>60	90.5			83.4			86.6		
	41–60	94.2	1.70	1.49 to 1.95	83.6	1.01	0.92 to 1.11	88.1	1.14	1.03 to 1.26
	<40	93.2	1.43	1.20 to 1.69	76.6	0.65	0.58 to 0.72	88.4	1.17	1.02 to 1.34
Education	Higher education	93.0			82.6			88.6		
	Lower education	90.9	0.75	0.67 to 0.85	81.8	0.94	0.87 to 1.03	85.0	0.73	0.66 to 0.81
Experience or education in health care	No	91.3			81.7			85.7		
	Yes	94.0	1.50	1.32 to 1.70	83.4	1.12	1.03 to 1.22	90.2	1.53	1.39 to 1.70
Variable	Characteristics	Sleeping habits			Social environment			Life goals		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	86.5			84.1			73.5		
	Men	81.3	0.68	0.62 to 0.74	79.2	0.72	0.66 to 0.79	71.1	0.89	0.82 to 0.96
	Other/undisclosed	87.4	1.08	0.54 to 2.16	90.4	1.79	0.81 to 3.91	70.9	0.88	0.53 to 1.46
Age (years)	>60	79.6			79.9			74.3		
	41–60	89.0	2.06	1.87 to 2.28	84.1	1.33	1.22 to 1.46	73.3	0.95	0.88 to 1.03
	<40	91.6	2.78	2.39 to 3.23	87.3	1.73	1.52 to 1.97	67.2	0.71	0.64 to 0.78
Education	Higher education	85.8			83.6			73.2		
	Lower education	83.4	0.83	0.76 to 0.91	80.9	0.83	0.76 to 0.91	71.9	0.94	0.87 to 1.01
Healthcare experience	No	83.6			80.6			70.9		
	Yes	87.3	1.35	1.23 to 1.48	86.1	1.48	1.36 to 1.62	75.7	1.28	1.19 to 1.37
Variable	Characteristics	Physical environment			Diet			Education		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	72.7			73.7			59.8		
	Men	69.6	0.86	0.80 to 0.93	66.2	0.70	0.65 to 0.75	62.7	1.13	1.05 to 1.21
	Other/undisclosed	77.8	1.31	0.76 to 2.29	72.4	0.94	0.56 to 1.57	64.6	1.22	0.76 to 1.98
Age (years)	>60	69.8			66.7			60.9		
	41–60	74.3	1.25	1.16 to 1.35	75.6	1.54	1.43 to 1.67	59.2	0.93	0.87 to 1.00
	<40	71.7	1.10	0.99 to 1.21	76.1	1.59	1.44 to 1.77	63.4	1.11	1.01 to 1.22

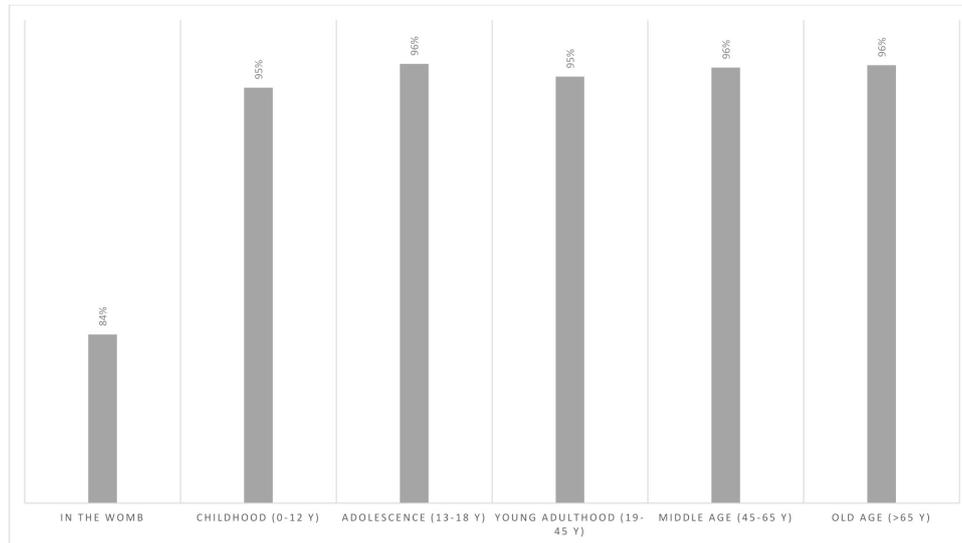
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Table 3 Continued

Variable	Characteristics	Physical environment			Diet			Education		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Education	Higher education	71.5			73.1			64.3		
	Lower education	72.6	1.06	0.98 to 1.14	68.2	0.79	0.73 to 0.85	52.6	0.62	0.58 to 0.66
Healthcare experience	No	70.5			69.0			58.0		
	Yes	74.0	1.19	1.11 to 1.28	75.6	1.39	1.29 to 1.49	64.8	1.33	1.25 to 1.42
Variable	Characteristics	Profession			Income					
		%	OR	99% CI	%	OR	99% CI			
Gender	Women	54.6			36.2					
	Men	58.7	1.18	1.10 to 1.27	35.0	0.95	0.88 to 1.02			
	Other/undisclosed	54.3	0.99	0.62 to 1.57	40.2	1.18	0.74 to 1.89			
Age (years)	>60	53.2			36.8					
	41–60	57.0	1.16	1.08 to 1.24	36.3	0.98	0.91 to 1.05			
	<40	60.2	1.33	1.21 to 1.46	32.0	0.81	0.73 to 0.89			
Education	Higher education	58.0			35.1					
	Lower education	51.0	0.75	0.71 to 0.81	37.5	1.11	1.04 to 1.19			
Healthcare experience	No	53.9			33.5					
	Yes	58.8	1.23	1.15 to 1.31	39.6	1.30	1.22 to 1.39			

Univariate ORs and 99% CIs.

% indicates proportion of participants rating this factor as having a 'strong' or 'very strong' influence on brain health, with the remainder of participants rating it as 'moderate', 'weak' or 'no influence'.



**Figure 2** Life periods considered important to take care of one's brain. % indicates proportion of participants rating this life period as 'important' or 'very important', with the remainder of participants rating it as 'not important' or 'moderately important'.

99% CI 1.23 to 1.70) as compared with respondents aged >60.

Respondents who self-assessed their mental health to be below average were less likely to associate the given

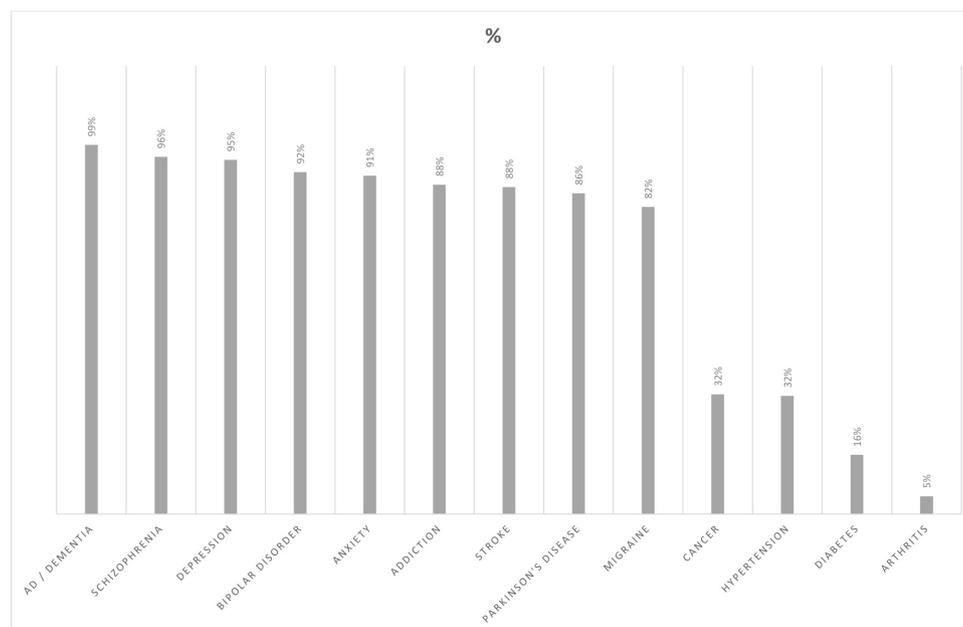
diseases/disorders above with the brain as compared with other respondents, although they had higher odds of considering mental disorders such as anxiety (OR 1.51, 99% CI 1.26 to 1.82), depression (OR 1.40, 99% CI 1.10

**Table 4** Life periods considered important to take care of one's brain by demographic groups

Variable	Characteristics	In the womb			Childhood (0–12)			Adolescence (13–18)		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	85.9			95.7			97.0		
	Men	78.0	0.58	0.53 to 0.63	93.0	0.59	0.51 to 0.69	95.6	0.68	0.57 to 0.81
	Other/undisclosed	86.4	1.04	0.53 to 2.04	95.2	0.89	0.30 to 2.63	96.0	0.75	0.23 to 2.44
Age (years)	>60	80.7			93.4			95.5		
	41–60	86.2	1.49	1.36 to 1.64	96.2	1.78	1.51 to 2.09	97.3	1.71	1.41 to 2.08
	<40	86.1	1.48	1.31 to 1.68	96.4	1.89	1.51 to 2.37	97.9	2.14	1.60 to 2.85
Education	Higher education	86.0			95.8			97.0		
	Lower education	78.5	0.59	0.54 to 0.65	92.9	0.57	0.50 to 0.66	95.6	0.67	0.56 to 0.80
Healthcare experience	No	80.5			93.7			95.9		
	Yes	88.8	1.91	1.74 to 2.10	96.8	2.06	1.74 to 2.43	97.7	1.79	1.48 to 2.18
Variable	Characteristics	Young adulthood (19–45)			Middle age (45–65)			Old age (>65)		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	96.2			97.0			97.1		
	Men	93.4	0.56	0.48 to 0.65	93.0	0.41	0.35 to 0.48	93.2	0.41	0.35 to 0.49
	Other/undisclosed	92.8	0.51	0.21 to 1.24	88.8	0.24	0.12 to 0.51	92.0	0.35	0.15 to 0.82
Age (years)	>60	94.5			95.3			96.2		
	41–60	96.5	1.59	1.34 to 1.89	97.2	1.68	1.40 to 2.03	96.8	1.19	0.98 to 1.43
	<40	95.4	1.21	0.98 to 1.50	94.3	0.82	0.67 to 1.00	93.3	0.55	0.45 to 0.67
Education	Higher education	95.3			95.9			96.2		
	Lower education	95.6	1.06	0.90 to 1.24	95.6	0.93	0.78 to 1.09	95.3	0.80	0.67 to 0.94
Healthcare experience	No	94.7			95.2			95.4		
	Yes	96.6	1.60	1.36 to 1.89	96.8	1.53	1.29 to 1.82	96.7	1.41	1.19 to 1.68

Univariate OR and 99% CI.

% indicates proportion of participants rating this life period as 'important' or 'very important', with the remainder of participants rating it as 'not important' or 'moderately important'.



**Figure 3** Diseases and disorders believed to be associated with the brain. % indicates proportion of participants rating this disorder or disease as 'associated with the brain', with the remainder of participants rating it as 'not associated with the brain'. AD, Alzheimer's disease.

to 1.78), bipolar disorder (OR 1.29, 99% CI 1.07 to 1.55) and addiction (OR 1.12, 99% CI 0.97 to 1.30) as associated with the brain. Respondents with an experience of disease were more likely, as compared with others with no such experience, to associate disorders such as arthritis (OR 1.59, 99% CI 1.38 to 1.84), diabetes (OR 1.25, 99% CI 1.15 to 1.37) and hypertension (OR 1.20, 99% CI 1.12 to 1.29) with the brain (online supplemental material 5, section 3). Respondents in a stable relationship were more likely to associate AD with the brain (OR 1.91, 99% CI 1.36 to 2.68) as compared with respondents not in a stable relationship. However, this association did not hold when controlling for age and education level.

## DISCUSSION

### Summary of findings

To the best of our knowledge, this study was the first and largest survey to investigate public perceptions of brain health across countries using an online questionnaire available in multiple languages. Our respondents considered certain behaviours such as substance use (ie, smoking, drugs and alcohol consumption) and factors such as lifestyle, physical health, genetics and social environment important for brain health. Other factors included, in decreasing order of importance, diet, the physical environment and having goals that make life meaningful, followed by socioeconomic factors such as income, profession and education. The respondents rated all life periods as important for the brain although taking care of the brain in the womb (before birth) received relatively less attention. This question aimed to describe the life period during which one can take care of the fetal brain during pregnancy. It is possible that some

respondents interpreted this life period as taking care of the mother's brain during pregnancy. However, regardless of how it was interpreted, taking care of the mother's and the fetus's brain is important and deserves attention.

Awareness was high of AD and dementia affecting the brain. Our respondents more frequently associated mental disorders such as schizophrenia and depression with the brain as compared with neurological disorders such as stroke and Parkinson's disease, although it should be noted that both classes were most often ranked as associated. Since we partly relied on our network of stakeholders working in fields of relevance for brain health to recruit survey respondents, it is likely that our sample was more interested in cognitive and psychological aspects of brain health than the general population. Disorders that are not defined as brain diseases but have an impact on the brain, such as hypertension, diabetes and arthritis, were perceived to be associated with the brain only to a small extent. Overall, women and highly educated respondents more often rated items as important than men and less educated participants. Men and women also differed in which factors they considered important for brain health.

### Relevance to previous research

The high ranking of substance use as a factor influencing brain health is consistent with data from surveys in Australia and the USA<sup>19 35</sup> but not from previous surveys in Ireland<sup>5</sup> or the Netherlands<sup>7</sup> where other factors like cognitive activity were given more importance. A recent scoping review of studies examining public perceptions of risk and protective factors related to cognitive health and impairment reported that genetics was the most identified risk factor for AD and dementia.<sup>20</sup> In our survey, genetics was considered highly important for

**Table 5** Diseases and disorders associated with the brain by demographic groups

Variable	Characteristics	AD and dementia			Schizophrenia			Depression		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	99.4			96.4			95.6		
	Men	98.5	0.40	0.29 to 0.56	94.5	0.64	0.54 to 0.75	93.8	0.70	0.60 to 0.81
	Other/undisclosed	100			95.2	0.74	0.25 to 2.18	96.0	1.11	0.34 to 3.61
Age (years)	>60	99.3			95.1			94.2		
	41–60	99.4	1.08	0.71 to 1.65	96.6	1.47	1.23 to 1.75	96.1	1.51	1.29 to 1.78
	<40	98.0	0.35	0.23 to 0.51	96.3	1.34	1.06 to 1.69	95.4	1.29	1.05 to 1.59
Education	Higher education	99.3			96.5			95.6		
	Lower education	98.6	0.48	0.34 to 0.67	94.5	0.62	0.53 to 0.72	94.0	0.72	0.62 to 0.84
Healthcare experience	No	98.9			95.3			94.6		
	Yes	99.5	2.37	1.57 to 3.56	96.9	1.52	1.28 to 1.81	96.0	1.38	1.18 to 1.61

Variable	Characteristics	Bipolar disorder			Anxiety			Addiction		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	93.6			91.4			90.0		
	Men	87.3	0.47	0.42 to 0.53	89.4	0.79	0.71 to 0.89	84.4	0.60	0.54 to 0.67
	Other/undisclosed	93.7	1.01	0.39 to 2.60	95.2	1.88	0.64 to 5.55	90.5	1.05	0.48 to 2.31
Age (years)	>60	88.9			89.0			86.6		
	41–60	94.6	2.17	1.90 to 2.49	92.6	1.54	1.37 to 1.74	89.8	1.37	1.23 to 1.52
	<40	93.8	1.90	1.59 to 2.26	92.1	1.44	1.23 to 1.70	90.6	1.50	1.29 to 1.74
Education	Higher education	94.0			91.6			90.0		
	Lower education	87.0	0.42	0.38 to 0.47	89.1	0.75	0.67 to 0.84	85.0	0.63	0.57 to 0.69
Healthcare experience	No	90.0			90.2			86.0		
	Yes	94.7	2.00	1.76 to 2.28	92.0	1.25	1.11 to 1.40	92.4	1.97	1.77 to 2.20

Variable	Characteristics	Stroke			Parkinson's disease			Migraine		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	89.9			86.9			83.5		
	Men	82.4	0.53	0.48 to 0.58	84.3	0.81	0.73 to 0.89	83.5		
	Other/undisclosed	89.7	0.98	0.46 to 2.08	84.9	0.85	0.45 to 1.62	79.7	0.78	0.71 to 0.85
Age (years)	>60	87.7			86.1			77.6		
	41–60	89.3	1.16	1.04 to 1.29	87.5	1.13	1.25 to 1.02	86.0	1.78	1.62 to 1.95
	<40	84.5	0.76	0.67 to 0.87	83.2	0.80	0.71 to 0.91	88.3	2.18	1.91 to 2.48
Education	Higher education	88.3			87.9			84.3		
	Lower education	86.7	0.87	0.79 to 0.96	82.1	0.63	0.57 to 0.69	78.6	0.69	0.63 to 0.75
Healthcare experience	No	84.5			83.1			79.5		
	Yes	93.0	2.44	2.18 to 2.73	90.9	2.04	1.85 to 2.26	87.2	1.76	1.61 to 1.92

Variable	Characteristics	Cancer			Hypertension			Diabetes		
		%	OR	99% CI	%	OR	99% CI	%	OR	99% CI
Gender	Women	33.8			33.7			16.7		
	Men	27.9	0.76	0.70 to 0.82	26.5	0.71	0.66 to 0.77	13.8	0.80	0.73 to 0.88
	Other/undisclosed	37.3	1.16	0.72 to 1.88	41.3	1.38	0.86 to 2.20	25.4	1.70	1.00 to 2.89
Age (years)	>60	28.5			34.2			15.3		
	41–60	34.1	1.30	1.21 to 1.40	31.5	0.88	0.82 to 0.95	17.2	1.15	1.05 to 1.27
	<40	38.2	1.55	1.41 to 1.70	25.4	0.65	0.59 to 0.72	14.7	0.96	0.84 to 1.09
Education	Higher education	34.2			33.5			17.3		
	Lower education	27.7	0.74	0.68 to 0.79	27.9	0.77	0.71 to 0.83	12.8	0.70	0.64 to 0.77
Healthcare experience	No	27.4			24.9			10.6		
	Yes	39.7	1.74	1.63 to 1.87	42.6	2.24	2.09 to 2.39	24.3	2.71	2.49 to 2.96

Continued



Table 5 Continued

Variable	Characteristics	Arthritis		
		%	OR	99% CI
Gender	Women	5.1		
	Men	3.9	0.75	0.63 to 0.89
	Other/undisclosed	6.3	1.25	0.49 to 3.23
Age (years)	>60	4.5		
	41–60	5.2	1.15	0.98 to 1.35
	<40	4.6	1.01	0.81 to 1.25
Education	Higher education	4.9		
	Lower education	4.6	0.94	0.80 to 1.11
Healthcare experience	No	3.4		
	Yes	7.0	2.12	1.83 to 2.46

Univariate OR and 99% CI.

% indicates proportion of participants rating this disorder or disease as 'associated with the brain', with the remainder of participants rating it as 'not associated with the brain'.

AD, Alzheimer's disease.

brain health. Likewise, our respondents' high ranking of sleep corroborates results from a recent UK-wide survey in which respondents perceived sleep as important for maintaining or improving cognitive skills.<sup>36</sup>

Physical health was rated as highly important in our study in contrast to what previous surveys found,<sup>7 18 19</sup> which reported limited awareness of how high blood pressure, coronary heart disease, obesity and plasma cholesterol levels influence brain health. Although our respondents rated physical health as important, paradoxically, they associated hypertension with the brain to a limited extent. In our questionnaire, we did not provide any example of what physical health entails, so we do not know exactly how our respondents interpreted the question. Results across studies may also be difficult to compare due to differences in the measures and instruments used. Our respondents less often deemed diet to be of very strong importance for brain health relative to other lifestyle factors, in line with previous studies.<sup>5 37</sup> Although the topic has been little explored, our participants' limited emphasis on socioeconomic factors is in line with results from an Australian survey on cognitive health.<sup>19</sup> With few exceptions, most of our participants resided in high-income countries or upper middle-income countries such as Turkey. Views regarding the importance of socioeconomic factors for brain health may differ in low and middle-income countries.

To our knowledge, few studies have investigated what life periods people consider important for taking care of the brain. A recent global Ipsos survey (2021) looked at the perceptions of the importance of early life for a person's health and happiness in adulthood<sup>38</sup> and found that people did not consider the early (first 5) years as important for later health, compared with other periods of life. Previous research has shown that focus is often put on old age, as it might be considered as a risk factor for cognitive decline.<sup>39</sup> In contrast, our respondents

attributed high importance to childhood although they tended to rank age ranges closer to their own as more important. Similarly, we have not found studies specifically investigating which diseases people associate with the brain. Other surveys have shown public awareness of dementia,<sup>15</sup> as confirmed by our results, despite limited knowledge of disease mechanisms and risk and protective factors,<sup>5</sup> little concern regarding risk of developing dementia<sup>16</sup> and limited public awareness of the prevalence and characteristics of mental illnesses such as schizophrenia and bipolar disorders.<sup>9 10</sup>

### Implications for policymakers

Our sample was highly educated, mostly women probably interested in brain health and therefore not representative of the general population. Our survey, however, highlights that even in such population, there are some knowledge gaps to be filled. Detailed information should be provided about dietary habits and physical activity beneficial for physical health and for the brain. Our findings indicate that people may underestimate the importance of risk factors such as diabetes and poor vascular health for brain health, suggesting an avenue for improved public health messaging. Previous research has shown that unmarried people are at higher risk of dementia as compared with people living in stable relationships.<sup>40</sup> We observed that awareness of AD was higher among our respondents living in stable relationships. This may suggest the need for targeted brain health information to single people and those living alone. Men and women differed in their perceptions of factors influencing brain health. Educational campaigns might need to consider these differences and leverage them for more personalised messages.

Our respondents made a clear connection between mental health and brain health, which may be due to their experience of the increasing societal burden of mental

and addictive disorders.<sup>41</sup> The outbreak of the COVID-19 pandemic in 2020, with strong implications for mental health,<sup>42</sup> may also have influenced responses. However, we cannot verify this as the survey was anonymous and no time logs were recorded. Our results suggest that governments should give more attention to the reduction of preventable or modifiable mental health risk factors, for instance, by identifying individuals in early stages of disease or creating social environments promoting psychological well-being.<sup>43</sup>

### Strengths and limitations

We believe that our study has several strengths. First, we consulted representatives from patient and civil society organisations such as patient organisations and national brain councils when developing the survey questionnaire. They are knowledgeable about how the public processes health-related information and helped strengthen the readability and relevance of our questions. The questions were also piloted in a previous study<sup>26</sup> and at several public meetings. Second, we translated the survey into 14 languages, made it available online and promoted it in Europe and beyond. This enabled us to achieve a sample size up to 10 times larger than in previous comparable surveys.<sup>7 19 44</sup> Third, our survey described brain health as encompassing both cognitive and mental health. This definition was more comprehensive than in other studies, which often focused solely on one aspect of brain health such as cognitive decline. This may make our results more relevant when discussing brain health promotion.

Our study has limitations. Our sample is not representative of the general population. Our respondents were predominantly highly educated, mostly women from the oldest segment of population reporting good cognitive and mental health. This is probably due to our recruitment strategy. Several of the Lifebrain cohorts<sup>23</sup> as well as the research registries we used to recruit participants included more female educated volunteers.<sup>34</sup> This may also be because women appear more concerned about cognitive decline and the maintenance of cognitive skills<sup>36 45</sup> than men. Our respondents were probably more interested in, and knowledgeable about, brain health than the general population. Although we did not collect any ethnic data, we suspect that our sample was probably not ethnically and culturally diverse. We also do not know whether people in developing countries would manifest different perceptions to brain health, particularly the influence of socioeconomic factors. Another limitation of our study is that an online survey is more easily accessed by the most resourceful population groups with digital connection and competence. We were aware of this limitation when conceiving the study but aimed to reach a large international sample and include respondents from the Lifebrain consortium. Using an online tool was the most appropriate strategy due to our limited resources and it facilitated anonymous collection of data. Finally, although great care was taken in the translation and back-translation process<sup>22</sup> and stakeholders in several

countries helped adapt the survey to their local circumstances, there is a risk that our international respondents interpreted our questions slightly differently due to nuances in translations and the novelty of the concept of brain health.<sup>26</sup>

### CONCLUSIONS AND FUTURE DIRECTIONS

Our findings reflect a relatively good understanding of some facets of brain health. Awareness was higher among highly educated female respondents as compared with male and lowly educated respondents. Differences in perceptions of brain health were noted among specific segments of the population, suggesting that targeted policy actions towards these groups might be of relevance. Exploring how perceptions of brain health relate to intentions to follow brain-friendly lifestyles will also be of interest, knowing that such intentions may also depend on perceptions of risk<sup>46 47</sup> and the socioeconomic, physical and technological contexts in which people navigate.<sup>48</sup> Analysis of subsequent questions in this survey will provide some answers to this question.

Future research should investigate views on brain health of diverse ethnic groups in Europe, following recent calls for more diversity in research,<sup>49</sup> as well as explore views on brain health in non-Western countries due to cultural variations.<sup>50</sup> We did not compare results between countries due to varying sample size and recruitment strategies. Future research might investigate whether results differ between the three countries with most responses (UK, the Netherlands, Norway), and how any difference may have implications for brain health promotion at national levels. Future studies should also consider adopting alternative recruitment techniques and data collection platforms and include more men and respondents more representative of the general population.

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**Acknowledgements** We are grateful for the valuable help we received from many people to develop and disseminate the survey. This includes, but is not limited to, the Lifebrain research staff, the stakeholders who participated in Lifebrain workshops and public lectures, representatives from the Norwegian Brain Council, the Belgian Brain Council, the German Brain Council, the Brain Foundation Netherlands (Hersenstichting.nl), the Swedish Brain Foundation, the Women's Brain Project, the National University of Ostroh Academy in Ukraine, Join Dementia Research, Hersenonderzoek, patient organisations and professional societies in Europe and elsewhere. We thank the survey respondents for their contribution.

**Contributors** IBL, AMM, BBF, KPE, CAD, RBC, EZ, WFCB, KSM, AMF, RAK, PG, DB-F, LN, CS-P, KBW, SD, LZ, MFI and MTF were involved in the design and data collection of the study. AMM, KPE, ØS and EZ had full access to the raw data and conducted the statistical analysis. IBL, BBF, CAD, NAGF and RBC made substantial contribution to the analysis of the data. IBL drafted the manuscript. IBL, AMM, BBF, KPE, CAD, RBC, EZ, NAGF, ØS, WFCB, KSM, AMF, RAK, PG, DB-F, LN, CS-P, KBW, SD, LZ, MFI and MTF substantively revised the manuscript and approved the submitted version. IBL is the guarantor for the article.

**Funding** This research was funded by the EU Horizon 2020 Grant: Healthy minds 0–100 years: Optimising the use of European brain imaging cohorts (Lifebrain) (grant agreement number: 732592).

**Competing interests** None declared.

**Patient and public involvement** Patients and/or the public were involved in the design, or conduct, or reporting, or dissemination plans of this research. Refer to the Methods section for further details.

**Patient consent for publication** Not required.

**Ethics approval** This study involves human participants. The survey was reviewed by the Regional Committees for Medical and Health Research Ethics in Norway (2017/653 REK SørØst B) and approved for exemption from ethics approval according to the Norwegian Health Research Act. In addition, the survey was approved by the University of Oxford Medical Sciences Interdivisional Research Ethics Committee (R67364/RE001) and the Medical Ethics Review Committee of VU University Medical Center in the Netherlands as required for dissemination in the country's research networks. Ethics approval was not required for dissemination in the other Lifebrain partner countries. Participants gave informed consent to participate in the study before taking part.

**Provenance and peer review** Not commissioned; externally peer reviewed.

**Data availability statement** Data are available upon reasonable request. The data will be made available upon request until its deposited in an open science platform (deposit planned to take place before June 30).

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## REFERENCES

- Raggi A, Leonardi M. Burden of brain disorders in Europe in 2017 and comparison with other non-communicable disease groups. *J Neurol Neurosurg Psychiatry* 2020;91:104–5.
- National Institute on Aging U. What is brain health? : National Institute on Aging; 2019. Available: <https://brainhealth.nia.nih.gov/> [Accessed 20 May 2019].
- Mintzer J, Donovan KA, Kindy AZ, et al. Lifestyle choices and brain health. *Front Med* 2019;6:204.
- Livingston G, Sommerlad A, Orgeta V, et al. Dementia prevention, intervention, and care. *Lancet* 2017;390:2673–734.
- Glynn RW, Shelley E, Lawlor BA. Public knowledge and understanding of dementia-evidence from a national survey in Ireland. *Age Ageing* 2017;46:865–9.
- Rosato M, Leavey G, Cooper J, et al. Factors associated with public knowledge of and attitudes to dementia: a cross-sectional study. *PLoS One* 2019;14:e0210543.
- Heger I, Deckers K, van Boxtel M, et al. Dementia awareness and risk perception in middle-aged and older individuals: baseline results of the Mijnbreincatch survey on the association between lifestyle and brain health. *BMC Public Health* 2019;19:678.
- Alzheimer's Research UK. *Dementia attitudes monitor. wave 1 2018. Shaping breakthroughs in public understanding of dementia and attitudes to research*, 2018.
- Durand-Zaleski I, Scott J, Rouillon F, et al. A first national survey of knowledge, attitudes and behaviours towards schizophrenia, bipolar disorders and autism in France. *BMC Psychiatry* 2012;12:128.
- Cadge C, Connor C, Greenfield S. University students' understanding and perceptions of schizophrenia in the UK: a qualitative study. *BMJ Open* 2019;9:e025813.
- Tomat N, Perovnik M, Vidmar G, et al. Lay public view of neuroscience and science-based brain health recommendations in Slovenia. *Front Public Health* 2021;9:690421.
- Niechcial MA, Vaportzis E, Gow AJ. People's views on preserving thinking skills in old age. *Educ Gerontol* 2019;45:341–52.
- Bosco A, Jones KA, Di Lorito C, et al. Changing lifestyle for dementia risk reduction: inductive content analysis of a national UK survey. *PLoS One* 2020;15:e0233039.
- Rosenberg A, Coley N, Soulier A, et al. Experiences of dementia and attitude towards prevention: a qualitative study among older adults participating in a prevention trial. *BMC Geriatr* 2020;20:99.
- Anderson LA, Day KL, Beard RL, et al. The public's perceptions about cognitive health and Alzheimer's disease among the U.S. population: a national review. *Gerontologist* 2009;49(Suppl 1):S3–11.
- Smith BJ, Ali S, Quach H. Public knowledge and beliefs about dementia risk reduction: a national survey of Australians. *BMC Public Health* 2014;14:661.
- Kim S, Sargent-Cox KA, Anstey KJ. A qualitative study of older and middle-aged adults' perception and attitudes towards dementia and dementia risk reduction. *J Adv Nurs* 2015;71:1694–703.
- Barak Y, Gray AR, Rapsey C, et al. The dunedin dementia risk awareness project: pilot study in older adults. *Int Psychogeriatr* 2020;32:241–54.
- Hosking DE, Sargent-Cox KA, Anstey KJ. An Australian survey of cognitive health beliefs, intentions, and behaviours through the adult life course. *Prev Med Rep* 2015;2:498–504.
- Friedman DB, Becofsky K, Anderson LA, et al. Public perceptions about risk and protective factors for cognitive health and impairment: a review of the literature. *Int Psychogeriatr* 2015;27:1263–75.
- The Lifebrain Consortium. Lifebrain, 2018. Available: <http://www.lifebrain.uio.no/>
- Budin-Ljøsne I, Friedman BB, Suri S, et al. The global brain health survey: development of a Multi-Language survey of public views on brain health. *Front Public Health* 2020;8:387.
- Walhovd KB, Fjell AM, Westerhausen R, et al. Healthy minds from 0–100 years: Optimising the use of European brain imaging cohorts ("Lifebrain"). *Eur Psychiatry* 2018;47:76–7.
- Lifebrain. *What motivates people to look after their brain health? Insights from the global brain health survey*. Oslo: Lifebrain, 2022. ISBN: 978-82-8406-267-9, 2022.
- Lifebrain. *How to promote citizens' brain health? Insights from the Global Brain Health. Survey on citizen's perceptions of brain health interventions*. Lifebrain, 2021. ISBN: 978-82-8406-223-5.
- Friedman BB, Suri S, Solé-Padullés C, et al. Are people ready for personalized brain health? Perspectives of research participants in the Lifebrain Consortium. *Gerontologist* 2020;60:1050–9.
- Mauguière F, Trejo J-L, Andjus P, et al. Ten priorities for national brain and mental health plans. *Croat Med J* 2019;60:152–5.
- WFCM B, Arnesen KS, Carver M, et al. I Brain researchers want to know how you take care of your brain, 2020. Available: <https://sciencenordic.com/brain-denmark-researchers-zone/brain->

- researchers-want-to-know-how-you-take-care-of-your-brain/1621966
- 29 Baare WFCM KA, Carver M, Drevon RB. Hjælp forskerne: Hvordan passer du på din hjerne? : Forskerzonen, 2020. Available: <https://videnskab.dk/krop-sundhed/hjaelp-forskerne-hvordan-passer-du-paa-din-hjerne>
  - 30 R Foundation for Statistical Computing. R: A Language and Environment for Statistical Computing [program], 2021
  - 31 Altman DG, Royston P. The cost of dichotomising continuous variables. *BMJ* 2006;332:1080.1.
  - 32 von Elm E, Altman DG, Egger M, *et al.* Strengthening the reporting of observational studies in epidemiology (STROBE) statement: guidelines for reporting observational studies. *BMJ* 2007;335:806–8.
  - 33 Join dementia research. Available: <https://www.joindementiaresearch.nihr.ac.uk/>
  - 34 Hersenonderzoek.nl. Available: <https://hersenonderzoek.nl/>
  - 35 American Society on Aging. ASA-MetLife Foundation attitudes and awareness of brain health poll, 2006.
  - 36 Vaportzis E, Gow AJ. People's beliefs and expectations about how cognitive skills change with age: evidence from a U.K.-Wide aging survey. *Am J Geriatr Psychiatry* 2018;26:797–805.
  - 37 Wilcox S, Sharkey JR, Mathews AE, *et al.* Perceptions and beliefs about the role of physical activity and nutrition on brain health in older adults. *Gerontologist* 2009;49(Suppl 1):S61–71.
  - 38 IPSOS. *Attitudes towards the early years*, 2021.
  - 39 Maust DT, Solway E, Langa KM, *et al.* Perception of dementia risk and preventive actions among US adults aged 50 to 64 years. *JAMA Neurol* 2020;77:259–62.
  - 40 Sommerlad A, Ruegger J, Singh-Manoux A, *et al.* Marriage and risk of dementia: systematic review and meta-analysis of observational studies. *J Neurol Neurosurg Psychiatry* 2018;89:231–8.
  - 41 Rehm J, Shield KD. Global burden of disease and the impact of mental and addictive disorders. *Curr Psychiatry Rep* 2019;21:10.
  - 42 Barzilay R, Moore TM, Greenberg DM, *et al.* Resilience, COVID-19-related stress, anxiety and depression during the pandemic in a large population enriched for healthcare providers. *Transl Psychiatry* 2020;10:291.
  - 43 Arango C, Diaz-Caneja CM, McGorry PD, *et al.* Preventive strategies for mental health. *Lancet Psychiatry* 2018;5:591–604.
  - 44 Mehegan LRC, Skufca L. Brain health and nutrition survey. AARP research 2018, 2017. Available: <https://doi.org/10.26419/res.00187.001>
  - 45 Wu B, Goins RT, Laditka JN, *et al.* Gender differences in views about cognitive health and healthy lifestyle behaviors among rural older adults. *Gerontologist* 2009;49(Suppl 1):S72–8.
  - 46 Gaube S, Lerner E, Fischer P. The concept of risk perception in health-related behavior theory and behavior change. In: Raue M, Streicher B, Lerner E, eds. *Perceived safety: a multidisciplinary perspective*. Cham: Springer International Publishing, 2019: 101–18.
  - 47 Ferrer R, Klein WM. Risk perceptions and health behavior. *Curr Opin Psychol* 2015;5:85–9.
  - 48 Wahl H-W, Hoppmann CA, Ram N, *et al.* Healthy Aging-Relevant goals: the role of Person-Context Co-construction. *J Gerontol B Psychol Sci Soc Sci* 2021;76:S181–90.
  - 49 Farkas L. *Data collection in the field of ethnicity*. European Commission. Luxembourg: Publications Office of the European Union, 2017.
  - 50 Wang Y, Pan Y, Li H. What is brain health and why is it important? *BMJ* 2020;371:m3683.

# Lifebrain Global Brain Health Survey

## Supplementary tables

### Contents

<b>1</b>	<b>Question 1</b>	<b>3</b>
1.1	Continuous models . . . . .	3
1.1.1	Question 1: continuous - Substance use . . . . .	4
1.1.2	Question 1: continuous - Genetics . . . . .	5
1.1.3	Question 1: continuous - Physical health . . . . .	6
1.1.4	Question 1: continuous - Sleeping habits . . . . .	7
1.1.5	Question 1: continuous - Social environment . . . . .	8
1.1.6	Question 1: continuous - Life goals . . . . .	9
1.1.7	Question 1: continuous - Physical environment . . . . .	10
1.1.8	Question 1: continuous - Diet . . . . .	11
1.1.9	Question 1: continuous - Education . . . . .	12
1.1.10	Question 1: continuous - Profession . . . . .	13
1.1.11	Question 1: continuous - Income . . . . .	14
1.2	Binary models . . . . .	14
1.2.1	Question 1: binary - Substance use . . . . .	15
1.2.2	Question 1: binary - Genetics . . . . .	16
1.2.3	Question 1: binary - Physical health . . . . .	17
1.2.4	Question 1: binary - Sleeping habits . . . . .	18
1.2.5	Question 1: binary - Social environment . . . . .	19
1.2.6	Question 1: binary - Life goals . . . . .	20
1.2.7	Question 1: binary - Physical environment . . . . .	21
1.2.8	Question 1: binary - Diet . . . . .	22
1.2.9	Question 1: binary - Education . . . . .	23
1.2.10	Question 1: binary - Profession . . . . .	24
1.2.11	Question 1: binary - Income . . . . .	25
1.3	Ordinal models . . . . .	25
1.3.1	Question 1: ordinal - Substance use . . . . .	26
1.3.2	Question 1: ordinal - Genetics . . . . .	28
1.3.3	Question 1: ordinal - Physical health . . . . .	30
1.3.4	Question 1: ordinal - Sleeping habits . . . . .	32
1.3.5	Question 1: ordinal - Social environment . . . . .	34
1.3.6	Question 1: ordinal - Life goals . . . . .	36
1.3.7	Question 1: ordinal - Physical environment . . . . .	38
1.3.8	Question 1: ordinal - Diet . . . . .	40
1.3.9	Question 1: ordinal - Education . . . . .	42
1.3.10	Question 1: ordinal - Profession . . . . .	44
1.3.11	Question 1: ordinal - Income . . . . .	46
1.4	Comparison binary and continuous model results . . . . .	47
1.4.1	Question 1: bin_vs_cont - Substance use . . . . .	47
1.4.2	Question 1: bin_vs_cont - Sleeping habits . . . . .	47
1.4.3	Question 1: bin_vs_cont - Life goals . . . . .	47
1.4.4	Question 1: bin_vs_cont - Diet . . . . .	48

1.4.5	Question 1: bin_vs_cont - Education . . . . .	48
1.4.6	Question 1: bin_vs_cont - Income . . . . .	48
<b>2</b>	<b>Question 2</b>	<b>49</b>
2.1	Continuous models . . . . .	49
2.1.1	Question 2: continuous - In the womb . . . . .	50
2.1.2	Question 2: continuous - Childhood . . . . .	51
2.1.3	Question 2: continuous - Adolescence . . . . .	52
2.1.4	Question 2: continuous - Young adulthood . . . . .	53
2.1.5	Question 2: continuous - Middle age . . . . .	54
2.1.6	Question 2: continuous - Old age . . . . .	55
2.2	Binary models . . . . .	55
2.2.1	Question 2: binary - In the womb . . . . .	56
2.2.2	Question 2: binary - Childhood . . . . .	57
2.2.3	Question 2: binary - Adolescence . . . . .	58
2.2.4	Question 2: binary - Young adulthood . . . . .	59
2.2.5	Question 2: binary - Middle age . . . . .	60
2.2.6	Question 2: binary - Old age . . . . .	61
2.3	Ordinal models . . . . .	61
2.3.1	Question 2: ordinal - In the womb . . . . .	62
2.3.2	Question 2: ordinal - Childhood . . . . .	64
2.3.3	Question 2: ordinal - Adolescence . . . . .	66
2.3.4	Question 2: ordinal - Young adulthood . . . . .	68
2.3.5	Question 2: ordinal - Middle age . . . . .	70
2.3.6	Question 2: ordinal - Old age . . . . .	72
2.4	Comparison binary and continuous model results . . . . .	73
2.4.1	Question 2: bin_vs_cont - In the womb . . . . .	73
2.4.2	Question 2: bin_vs_cont - Childhood . . . . .	73
2.4.3	Question 2: bin_vs_cont - Adolescence . . . . .	73
2.4.4	Question 2: bin_vs_cont - Young adulthood . . . . .	73
<b>3</b>	<b>Question 3</b>	<b>74</b>
3.1	Binary models . . . . .	74
3.1.1	Question 3: binary - Alzheimer's . . . . .	75
3.1.2	Question 3: binary - Schizophrenia . . . . .	76
3.1.3	Question 3: binary - Depression . . . . .	77
3.1.4	Question 3: binary - Bipolar . . . . .	78
3.1.5	Question 3: binary - Anxiety . . . . .	79
3.1.6	Question 3: binary - Addiction . . . . .	80
3.1.7	Question 3: binary - Stroke . . . . .	81
3.1.8	Question 3: binary - Parkinson's . . . . .	82
3.1.9	Question 3: binary - Migraine . . . . .	83
3.1.10	Question 3: binary - Cancer . . . . .	84
3.1.11	Question 3: binary - Hypertension . . . . .	85
3.1.12	Question 3: binary - Diabetes . . . . .	86
3.1.13	Question 3: binary - Arthritis . . . . .	87

## 1 Question 1

### 1.1 Continuous models

## 1.1.1 Question 1: continuous - Substance use

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.43	0.01	688.58	0.00
age	41-60	0.14	0.01	14.92	0.00
	<= 40	0.12	0.01	9.92	0.00
education	(Intercept)	4.52	0.01	854.00	0.00
	Lower	-0.06	0.01	-6.44	0.00
gender	(Intercept)	4.54	0.01	873.16	0.00
	Man	-0.11	0.01	-11.15	0.00
	Other/Undisclosed	-0.18	0.06	-2.83	0.00
healthcare_experience	(Intercept)	4.47	0.01	798.95	0.00
	Yes	0.10	0.01	10.71	0.00
cognitive_health	(Intercept)	4.52	0.00	998.47	0.00
	Below average	-0.18	0.02	-9.81	0.00
mental_health	(Intercept)	4.51	0.00	956.62	0.00
	Below average	-0.03	0.01	-2.19	0.03
illness_experience	(Intercept)	4.53	0.01	796.11	0.00
	Yes	-0.05	0.01	-5.55	0.00
brain_disease_caregiver	(Intercept)	4.50	0.01	749.35	0.00
	Yes	0.01	0.01	1.46	0.14
brain_research_participation	(Intercept)	4.51	0.01	774.55	0.00
	Yes	-0.02	0.01	-2.00	0.05
relationship	(Intercept)	4.50	0.01	680.52	0.00
	Stable	0.01	0.01	0.65	0.52

## 1.1.2 Question 1: continuous - Genetics

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.18	0.01	601.12	0.00
age	41-60	0.03	0.01	2.59	0.01
	<= 40	-0.12	0.01	-8.53	0.00
education	(Intercept)	4.18	0.01	731.49	0.00
	Lower	-0.03	0.01	-2.59	0.01
gender	(Intercept)	4.20	0.01	749.84	0.00
	Man	-0.10	0.01	-9.30	0.00
	Other/Undisclosed	-0.32	0.07	-4.60	0.00
healthcare_experience	(Intercept)	4.16	0.01	688.35	0.00
	Yes	0.04	0.01	3.85	0.00
cognitive_health	(Intercept)	4.18	0.00	854.95	0.00
	Below average	-0.05	0.02	-2.72	0.01
mental_health	(Intercept)	4.17	0.01	820.60	0.00
	Below average	0.02	0.01	1.09	0.27
illness_experience	(Intercept)	4.17	0.01	679.16	0.00
	Yes	0.02	0.01	2.07	0.04
brain_disease_caregiver	(Intercept)	4.11	0.01	636.56	0.00
	Yes	0.14	0.01	15.23	0.00
brain_research_participation	(Intercept)	4.14	0.01	659.34	0.00
	Yes	0.08	0.01	8.22	0.00
relationship	(Intercept)	4.14	0.01	580.72	0.00
	Stable	0.06	0.01	6.27	0.00

## 1.1.3 Question 1: continuous - Physical health

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.18	0.01	666.63	0.00
age	41-60	0.07	0.01	7.65	0.00
	<= 40	0.09	0.01	7.70	0.00
education	(Intercept)	4.26	0.01	829.57	0.00
	Lower	-0.12	0.01	-12.71	0.00
gender	(Intercept)	4.24	0.01	839.39	0.00
	Man	-0.07	0.01	-7.47	0.00
	Other/Undisclosed	-0.01	0.06	-0.21	0.83
healthcare_experience	(Intercept)	4.17	0.01	769.63	0.00
	Yes	0.12	0.01	14.06	0.00
cognitive_health	(Intercept)	4.23	0.00	962.91	0.00
	Below average	-0.16	0.02	-8.83	0.00
mental_health	(Intercept)	4.23	0.00	924.48	0.00
	Below average	-0.07	0.01	-5.46	0.00
illness_experience	(Intercept)	4.24	0.01	768.61	0.00
	Yes	-0.05	0.01	-6.01	0.00
brain_disease_caregiver	(Intercept)	4.20	0.01	720.63	0.00
	Yes	0.04	0.01	4.98	0.00
brain_research_participation	(Intercept)	4.21	0.01	744.16	0.00
	Yes	0.02	0.01	2.45	0.01
relationship	(Intercept)	4.22	0.01	656.77	0.00
	Stable	0.01	0.01	0.66	0.51

## 1.1.4 Question 1: continuous - Sleeping habits

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.02	0.01	633.20	0.00
age	41-60	0.28	0.01	29.04	0.00
	<= 40	0.41	0.01	32.90	0.00
education	(Intercept)	4.21	0.01	789.13	0.00
	Lower	-0.07	0.01	-7.00	0.00
gender	(Intercept)	4.23	0.01	808.10	0.00
	Man	-0.13	0.01	-13.02	0.00
	Other/Undisclosed	0.04	0.07	0.65	0.51
healthcare_experience	(Intercept)	4.15	0.01	736.57	0.00
	Yes	0.11	0.01	11.72	0.00
cognitive_health	(Intercept)	4.19	0.00	917.63	0.00
	Below average	0.02	0.02	1.28	0.20
mental_health	(Intercept)	4.17	0.00	880.30	0.00
	Below average	0.12	0.01	9.03	0.00
illness_experience	(Intercept)	4.17	0.01	728.84	0.00
	Yes	0.04	0.01	3.95	0.00
brain_disease_caregiver	(Intercept)	4.20	0.01	695.18	0.00
	Yes	-0.03	0.01	-3.77	0.00
brain_research_participation	(Intercept)	4.24	0.01	724.78	0.00
	Yes	-0.12	0.01	-13.42	0.00
relationship	(Intercept)	4.24	0.01	638.23	0.00
	Stable	-0.10	0.01	-10.98	0.00

## 1.1.5 Question 1: continuous - Social environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.06	0.01	602.76	0.00
age	41-60	0.13	0.01	12.66	0.00
	<= 40	0.26	0.01	20.07	0.00
education	(Intercept)	4.17	0.01	749.41	0.00
	Lower	-0.06	0.01	-6.20	0.00
gender	(Intercept)	4.18	0.01	766.26	0.00
	Man	-0.11	0.01	-10.85	0.00
	Other/Undisclosed	0.17	0.07	2.52	0.01
healthcare_experience	(Intercept)	4.10	0.01	698.87	0.00
	Yes	0.14	0.01	14.45	0.00
cognitive_health	(Intercept)	4.16	0.00	874.55	0.00
	Below average	-0.13	0.02	-6.66	0.00
mental_health	(Intercept)	4.14	0.00	837.48	0.00
	Below average	0.04	0.01	2.84	0.00
illness_experience	(Intercept)	4.16	0.01	696.08	0.00
	Yes	-0.02	0.01	-1.82	0.07
brain_disease_caregiver	(Intercept)	4.14	0.01	657.26	0.00
	Yes	0.01	0.01	1.16	0.25
brain_research_participation	(Intercept)	4.17	0.01	680.99	0.00
	Yes	-0.04	0.01	-4.30	0.00
relationship	(Intercept)	4.17	0.01	601.43	0.00
	Stable	-0.05	0.01	-4.97	0.00

## 1.1.6 Question 1: continuous - Life goals

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.94	0.01	517.96	0.00
age	41-60	0.01	0.01	0.49	0.62
	<= 40	-0.09	0.01	-6.00	0.00
education	(Intercept)	3.94	0.01	630.76	0.00
	Lower	-0.04	0.01	-3.25	0.00
gender	(Intercept)	3.95	0.01	643.86	0.00
	Man	-0.07	0.01	-6.14	0.00
	Other/Undisclosed	-0.01	0.08	-0.17	0.87
healthcare_experience	(Intercept)	3.89	0.01	589.36	0.00
	Yes	0.11	0.01	10.78	0.00
cognitive_health	(Intercept)	3.93	0.01	736.61	0.00
	Below average	-0.06	0.02	-2.79	0.01
mental_health	(Intercept)	3.94	0.01	709.13	0.00
	Below average	-0.07	0.02	-4.39	0.00
illness_experience	(Intercept)	3.93	0.01	585.48	0.00
	Yes	0.01	0.01	0.93	0.35
brain_disease_caregiver	(Intercept)	3.94	0.01	556.22	0.00
	Yes	-0.02	0.01	-1.62	0.10
brain_research_participation	(Intercept)	3.96	0.01	576.30	0.00
	Yes	-0.06	0.01	-6.14	0.00
relationship	(Intercept)	3.94	0.01	504.61	0.00
	Stable	-0.01	0.01	-0.93	0.35

## 1.1.7 Question 1: continuous - Physical environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.88	0.01	532.98	0.00
age	41-60	0.09	0.01	8.67	0.00
	<= 40	0.06	0.01	4.14	0.00
education	(Intercept)	3.92	0.01	656.04	0.00
	Lower	0.02	0.01	1.57	0.12
gender	(Intercept)	3.95	0.01	672.96	0.00
	Man	-0.08	0.01	-6.99	0.00
	Other/Undisclosed	0.10	0.07	1.43	0.15
healthcare_experience	(Intercept)	3.90	0.01	617.01	0.00
	Yes	0.08	0.01	8.19	0.00
cognitive_health	(Intercept)	3.94	0.01	770.14	0.00
	Below average	-0.10	0.02	-4.90	0.00
mental_health	(Intercept)	3.93	0.01	739.62	0.00
	Below average	-0.03	0.01	-2.28	0.02
illness_experience	(Intercept)	3.91	0.01	609.36	0.00
	Yes	0.05	0.01	5.38	0.00
brain_disease_caregiver	(Intercept)	3.92	0.01	578.50	0.00
	Yes	0.02	0.01	1.72	0.09
brain_research_participation	(Intercept)	3.93	0.01	596.77	0.00
	Yes	0.01	0.01	0.81	0.42
relationship	(Intercept)	3.95	0.01	529.19	0.00
	Stable	-0.04	0.01	-3.64	0.00

## 1.1.8 Question 1: continuous - Diet

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.79	0.01	519.59	0.00
age	41-60	0.19	0.01	17.83	0.00
	<= 40	0.24	0.01	16.58	0.00
education	(Intercept)	3.93	0.01	655.35	0.00
	Lower	-0.12	0.01	-11.01	0.00
gender	(Intercept)	3.94	0.01	667.95	0.00
	Man	-0.14	0.01	-12.65	0.00
	Other/Undisclosed	0.05	0.07	0.65	0.51
healthcare_experience	(Intercept)	3.84	0.01	606.08	0.00
	Yes	0.14	0.01	14.09	0.00
cognitive_health	(Intercept)	3.91	0.01	761.01	0.00
	Below average	-0.18	0.02	-8.69	0.00
mental_health	(Intercept)	3.91	0.01	730.87	0.00
	Below average	-0.09	0.01	-5.98	0.00
illness_experience	(Intercept)	3.92	0.01	606.91	0.00
	Yes	-0.05	0.01	-4.56	0.00
brain_disease_caregiver	(Intercept)	3.86	0.01	567.08	0.00
	Yes	0.07	0.01	7.35	0.00
brain_research_participation	(Intercept)	3.89	0.01	587.86	0.00
	Yes	0.02	0.01	2.02	0.04
relationship	(Intercept)	3.91	0.01	521.37	0.00
	Stable	-0.03	0.01	-2.66	0.01

## 1.1.9 Question 1: continuous - Education

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.67	0.01	464.29	0.00
age	41-60	-0.02	0.01	-1.55	0.12
	<= 40	0.11	0.02	6.88	0.00
education	(Intercept)	3.76	0.01	582.87	0.00
	Lower	-0.23	0.01	-20.40	0.00
gender	(Intercept)	3.68	0.01	576.03	0.00
	Man	0.03	0.01	2.60	0.01
	Other/Undisclosed	0.03	0.08	0.32	0.75
healthcare_experience	(Intercept)	3.63	0.01	529.68	0.00
	Yes	0.15	0.01	13.63	0.00
cognitive_health	(Intercept)	3.70	0.01	667.00	0.00
	Below average	-0.22	0.02	-9.50	0.00
mental_health	(Intercept)	3.70	0.01	642.33	0.00
	Below average	-0.15	0.02	-9.54	0.00
illness_experience	(Intercept)	3.71	0.01	531.94	0.00
	Yes	-0.05	0.01	-4.79	0.00
brain_disease_caregiver	(Intercept)	3.70	0.01	503.48	0.00
	Yes	-0.04	0.01	-3.97	0.00
brain_research_participation	(Intercept)	3.69	0.01	516.62	0.00
	Yes	-0.01	0.01	-1.08	0.28
relationship	(Intercept)	3.69	0.01	454.60	0.00
	Stable	0.00	0.01	-0.14	0.89

## 1.1.10 Question 1: continuous - Profession

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.51	0.01	451.81	0.00
age	41-60	0.09	0.01	7.52	0.00
	<= 40	0.19	0.02	12.39	0.00
education	(Intercept)	3.62	0.01	568.60	0.00
	Lower	-0.15	0.01	-13.31	0.00
gender	(Intercept)	3.56	0.01	567.36	0.00
	Man	0.05	0.01	4.27	0.00
	Other/Undisclosed	-0.01	0.08	-0.12	0.90
healthcare_experience	(Intercept)	3.53	0.01	523.68	0.00
	Yes	0.11	0.01	10.03	0.00
cognitive_health	(Intercept)	3.58	0.01	656.35	0.00
	Below average	-0.14	0.02	-6.08	0.00
mental_health	(Intercept)	3.58	0.01	630.27	0.00
	Below average	-0.05	0.02	-3.07	0.00
illness_experience	(Intercept)	3.59	0.01	523.05	0.00
	Yes	-0.03	0.01	-2.52	0.01
brain_disease_caregiver	(Intercept)	3.61	0.01	498.23	0.00
	Yes	-0.07	0.01	-6.30	0.00
brain_research_participation	(Intercept)	3.60	0.01	513.26	0.00
	Yes	-0.07	0.01	-6.48	0.00
relationship	(Intercept)	3.59	0.01	450.03	0.00
	Stable	-0.03	0.01	-2.38	0.02

## 1.1.11 Question 1: continuous - Income

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.21	0.01	398.85	0.00
age	41-60	-0.02	0.01	-1.34	0.18
	<= 40	-0.13	0.02	-8.24	0.00
education	(Intercept)	3.17	0.01	480.09	0.00
	Lower	0.03	0.01	2.85	0.00
gender	(Intercept)	3.20	0.01	493.23	0.00
	Man	-0.06	0.01	-5.03	0.00
	Other/Undisclosed	0.10	0.08	1.21	0.23
healthcare_experience	(Intercept)	3.13	0.01	449.09	0.00
	Yes	0.14	0.01	12.62	0.00
cognitive_health	(Intercept)	3.19	0.01	564.26	0.00
	Below average	-0.06	0.02	-2.64	0.01
mental_health	(Intercept)	3.19	0.01	542.31	0.00
	Below average	-0.03	0.02	-1.74	0.08
illness_experience	(Intercept)	3.16	0.01	446.13	0.00
	Yes	0.06	0.01	4.95	0.00
brain_disease_caregiver	(Intercept)	3.18	0.01	424.25	0.00
	Yes	0.02	0.01	1.46	0.14
brain_research_participation	(Intercept)	3.17	0.01	436.64	0.00
	Yes	0.02	0.01	2.12	0.03
relationship	(Intercept)	3.18	0.01	385.82	0.00
	Stable	0.00	0.01	0.09	0.93

## 1.2 Binary models

## 1.2.1 Question 1: binary - Substance use

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.26	0.03	74.47	0.00
age	41-60	0.53	0.05	10.25	0.00
	<= 40	0.36	0.07	5.35	0.00
education	(Intercept)	2.59	0.03	90.65	0.00
	Lower	-0.28	0.05	-6.03	0.00
gender	(Intercept)	2.63	0.03	92.09	0.00
	Man	-0.42	0.05	-8.88	0.00
	Other/Undisclosed	-0.83	0.26	-3.24	0.00
healthcare_experience	(Intercept)	2.35	0.03	86.09	0.00
	Yes	0.41	0.05	8.25	0.00
cognitive_health	(Intercept)	2.54	0.02	106.27	0.00
	Below average	-0.63	0.08	-8.13	0.00
mental_health	(Intercept)	2.51	0.02	102.24	0.00
	Below average	-0.13	0.06	-1.95	0.05
illness_experience	(Intercept)	2.58	0.03	84.53	0.00
	Yes	-0.21	0.05	-4.59	0.00
brain_disease_caregiver	(Intercept)	2.44	0.03	80.36	0.00
	Yes	0.12	0.05	2.66	0.01
brain_research_participation	(Intercept)	2.49	0.03	82.75	0.00
	Yes	0.00	0.05	0.09	0.93
relationship	(Intercept)	2.45	0.03	72.93	0.00
	Stable	0.08	0.05	1.78	0.08

## 1.2.2 Question 1: binary - Genetics

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.62	0.02	67.72	0.00
age	41-60	0.01	0.04	0.27	0.79
	<= 40	-0.43	0.04	-10.19	0.00
education	(Intercept)	1.56	0.02	81.15	0.00
	Lower	-0.06	0.03	-1.67	0.09
gender	(Intercept)	1.61	0.02	84.01	0.00
	Man	-0.23	0.03	-6.74	0.00
	Other/Undisclosed	-0.77	0.20	-3.97	0.00
healthcare_experience	(Intercept)	1.50	0.02	75.21	0.00
	Yes	0.12	0.03	3.52	0.00
cognitive_health	(Intercept)	1.55	0.02	94.77	0.00
	Below average	-0.19	0.06	-2.94	0.00
mental_health	(Intercept)	1.54	0.02	90.69	0.00
	Below average	0.01	0.05	0.27	0.79
illness_experience	(Intercept)	1.52	0.02	74.65	0.00
	Yes	0.06	0.03	1.74	0.08
brain_disease_caregiver	(Intercept)	1.37	0.02	66.76	0.00
	Yes	0.39	0.03	12.18	0.00
brain_research_participation	(Intercept)	1.45	0.02	71.10	0.00
	Yes	0.22	0.03	6.69	0.00
relationship	(Intercept)	1.44	0.02	62.39	0.00
	Stable	0.18	0.03	5.83	0.00

### 1.2.3 Question 1: binary - Physical health

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.87	0.03	71.58	0.00
age	41-60	0.13	0.04	3.28	0.00
	<= 40	0.16	0.05	2.97	0.00
education	(Intercept)	2.05	0.02	89.45	0.00
	Lower	-0.31	0.04	-8.30	0.00
gender	(Intercept)	2.02	0.02	90.79	0.00
	Man	-0.26	0.04	-6.75	0.00
	Other/Undisclosed	-0.29	0.25	-1.14	0.25
healthcare_experience	(Intercept)	1.79	0.02	81.42	0.00
	Yes	0.43	0.04	10.86	0.00
cognitive_health	(Intercept)	1.98	0.02	103.89	0.00
	Below average	-0.58	0.06	-8.95	0.00
mental_health	(Intercept)	1.98	0.02	99.84	0.00
	Below average	-0.29	0.05	-5.84	0.00
illness_experience	(Intercept)	2.02	0.02	83.15	0.00
	Yes	-0.19	0.04	-5.27	0.00
brain_disease_caregiver	(Intercept)	1.90	0.02	77.40	0.00
	Yes	0.10	0.04	2.75	0.01
brain_research_participation	(Intercept)	1.92	0.02	80.03	0.00
	Yes	0.05	0.04	1.46	0.14
relationship	(Intercept)	1.90	0.03	70.39	0.00
	Stable	0.07	0.04	1.84	0.07

## 1.2.4 Question 1: binary - Sleeping habits

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.36	0.02	61.79	0.00
age	41-60	0.72	0.04	18.89	0.00
	<= 40	1.02	0.06	17.61	0.00
education	(Intercept)	1.80	0.02	86.24	0.00
	Lower	-0.18	0.04	-5.11	0.00
gender	(Intercept)	1.86	0.02	88.80	0.00
	Man	-0.39	0.04	-10.87	0.00
	Other/Undisclosed	0.08	0.27	0.29	0.78
healthcare_experience	(Intercept)	1.63	0.02	78.39	0.00
	Yes	0.30	0.04	8.36	0.00
cognitive_health	(Intercept)	1.74	0.02	99.75	0.00
	Below average	-0.08	0.07	-1.21	0.23
mental_health	(Intercept)	1.70	0.02	95.01	0.00
	Below average	0.29	0.05	5.28	0.00
illness_experience	(Intercept)	1.69	0.02	78.50	0.00
	Yes	0.12	0.03	3.39	0.00
brain_disease_caregiver	(Intercept)	1.77	0.02	75.60	0.00
	Yes	-0.06	0.03	-1.68	0.09
brain_research_participation	(Intercept)	1.90	0.02	79.81	0.00
	Yes	-0.34	0.03	-10.04	0.00
relationship	(Intercept)	1.86	0.03	69.87	0.00
	Stable	-0.21	0.03	-6.01	0.00

## 1.2.5 Question 1: binary - Social environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.38	0.02	62.38	0.00
age	41-60	0.29	0.03	8.18	0.00
	<= 40	0.55	0.05	10.93	0.00
education	(Intercept)	1.63	0.02	82.78	0.00
	Lower	-0.18	0.03	-5.46	0.00
gender	(Intercept)	1.66	0.02	85.12	0.00
	Man	-0.32	0.03	-9.48	0.00
	Other/Undisclosed	0.58	0.30	1.91	0.06
healthcare_experience	(Intercept)	1.43	0.02	73.23	0.00
	Yes	0.39	0.03	11.55	0.00
cognitive_health	(Intercept)	1.59	0.02	95.96	0.00
	Below average	-0.41	0.06	-6.76	0.00
mental_health	(Intercept)	1.56	0.02	91.36	0.00
	Below average	0.03	0.05	0.62	0.53
illness_experience	(Intercept)	1.59	0.02	76.29	0.00
	Yes	-0.05	0.03	-1.55	0.12
brain_disease_caregiver	(Intercept)	1.55	0.02	71.32	0.00
	Yes	0.04	0.03	1.41	0.16
brain_research_participation	(Intercept)	1.60	0.02	74.70	0.00
	Yes	-0.07	0.03	-2.32	0.02
relationship	(Intercept)	1.58	0.02	65.50	0.00
	Stable	-0.03	0.03	-0.86	0.39

## 1.2.6 Question 1: binary - Life goals

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.06	0.02	52.30	0.00
age	41-60	-0.05	0.03	-1.73	0.08
	<= 40	-0.34	0.04	-9.10	0.00
education	(Intercept)	1.00	0.02	61.07	0.00
	Lower	-0.06	0.03	-2.21	0.03
gender	(Intercept)	1.02	0.02	62.87	0.00
	Man	-0.12	0.03	-4.00	0.00
	Other/Undisclosed	-0.13	0.20	-0.66	0.51
healthcare_experience	(Intercept)	0.89	0.02	52.63	0.00
	Yes	0.24	0.03	8.66	0.00
cognitive_health	(Intercept)	0.99	0.01	70.68	0.00
	Below average	-0.10	0.06	-1.75	0.08
mental_health	(Intercept)	1.01	0.01	69.23	0.00
	Below average	-0.22	0.04	-5.74	0.00
illness_experience	(Intercept)	0.97	0.02	55.48	0.00
	Yes	0.03	0.03	1.12	0.26
brain_disease_caregiver	(Intercept)	1.00	0.02	53.83	0.00
	Yes	-0.04	0.03	-1.44	0.15
brain_research_participation	(Intercept)	1.05	0.02	57.29	0.00
	Yes	-0.14	0.03	-5.19	0.00
relationship	(Intercept)	0.98	0.02	47.91	0.00
	Stable	0.01	0.03	0.45	0.65

## 1.2.7 Question 1: binary - Physical environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.84	0.02	43.31	0.00
age	41-60	0.23	0.03	7.59	0.00
	<= 40	0.09	0.04	2.42	0.02
education	(Intercept)	0.92	0.02	56.95	0.00
	Lower	0.06	0.03	1.90	0.06
gender	(Intercept)	0.98	0.02	60.95	0.00
	Man	-0.15	0.03	-5.16	0.00
	Other/Undisclosed	0.27	0.21	1.27	0.20
healthcare_experience	(Intercept)	0.87	0.02	51.54	0.00
	Yes	0.17	0.03	6.27	0.00
cognitive_health	(Intercept)	0.95	0.01	68.45	0.00
	Below average	-0.23	0.05	-4.22	0.00
mental_health	(Intercept)	0.95	0.01	65.66	0.00
	Below average	-0.09	0.04	-2.29	0.02
illness_experience	(Intercept)	0.88	0.02	51.40	0.00
	Yes	0.13	0.03	4.88	0.00
brain_disease_caregiver	(Intercept)	0.92	0.02	50.32	0.00
	Yes	0.03	0.03	1.25	0.21
brain_research_participation	(Intercept)	0.93	0.02	52.21	0.00
	Yes	0.02	0.03	0.65	0.52
relationship	(Intercept)	0.97	0.02	47.76	0.00
	Stable	-0.07	0.03	-2.46	0.01

## 1.2.8 Question 1: binary - Diet

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.69	0.02	36.76	0.00
age	41-60	0.43	0.03	14.59	0.00
	<= 40	0.47	0.04	11.71	0.00
education	(Intercept)	1.00	0.02	60.83	0.00
	Lower	-0.24	0.03	-8.44	0.00
gender	(Intercept)	1.03	0.02	63.33	0.00
	Man	-0.36	0.03	-12.40	0.00
	Other/Undisclosed	-0.06	0.20	-0.32	0.75
healthcare_experience	(Intercept)	0.80	0.02	48.06	0.00
	Yes	0.33	0.03	11.70	0.00
cognitive_health	(Intercept)	0.95	0.01	68.49	0.00
	Below average	-0.46	0.05	-8.67	0.00
mental_health	(Intercept)	0.96	0.01	66.14	0.00
	Below average	-0.26	0.04	-6.77	0.00
illness_experience	(Intercept)	0.98	0.02	55.61	0.00
	Yes	-0.13	0.03	-4.76	0.00
brain_disease_caregiver	(Intercept)	0.85	0.02	46.89	0.00
	Yes	0.17	0.03	6.29	0.00
brain_research_participation	(Intercept)	0.90	0.02	51.08	0.00
	Yes	0.04	0.03	1.59	0.11
relationship	(Intercept)	0.94	0.02	46.61	0.00
	Stable	-0.04	0.03	-1.41	0.16

## 1.2.9 Question 1: binary - Education

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.44	0.02	24.30	0.00
age	41-60	-0.07	0.03	-2.57	0.01
	<= 40	0.11	0.04	2.97	0.00
education	(Intercept)	0.59	0.02	38.77	0.00
	Lower	-0.48	0.03	-18.32	0.00
gender	(Intercept)	0.40	0.01	27.28	0.00
	Man	0.12	0.03	4.40	0.00
	Other/Undisclosed	0.20	0.19	1.09	0.28
healthcare_experience	(Intercept)	0.32	0.02	20.77	0.00
	Yes	0.29	0.03	11.23	0.00
cognitive_health	(Intercept)	0.46	0.01	35.77	0.00
	Below average	-0.39	0.05	-7.57	0.00
mental_health	(Intercept)	0.48	0.01	35.81	0.00
	Below average	-0.33	0.04	-9.05	0.00
illness_experience	(Intercept)	0.47	0.02	29.52	0.00
	Yes	-0.10	0.03	-4.03	0.00
brain_disease_caregiver	(Intercept)	0.47	0.02	27.85	0.00
	Yes	-0.08	0.02	-3.40	0.00
brain_research_participation	(Intercept)	0.44	0.02	26.81	0.00
	Yes	-0.02	0.02	-0.61	0.54
relationship	(Intercept)	0.42	0.02	22.55	0.00
	Stable	0.03	0.02	1.03	0.30

## 1.2.10 Question 1: binary - Profession

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.13	0.02	7.30	0.00
age	41-60	0.15	0.03	5.61	0.00
	<= 40	0.29	0.04	8.08	0.00
education	(Intercept)	0.32	0.01	21.78	0.00
	Lower	-0.28	0.03	-10.78	0.00
gender	(Intercept)	0.19	0.01	12.91	0.00
	Man	0.17	0.03	6.11	0.00
	Other/Undisclosed	-0.01	0.18	-0.07	0.95
healthcare_experience	(Intercept)	0.15	0.02	9.99	0.00
	Yes	0.20	0.03	8.10	0.00
cognitive_health	(Intercept)	0.24	0.01	19.47	0.00
	Below average	-0.20	0.05	-3.92	0.00
mental_health	(Intercept)	0.25	0.01	19.12	0.00
	Below average	-0.13	0.04	-3.69	0.00
illness_experience	(Intercept)	0.26	0.02	16.25	0.00
	Yes	-0.06	0.02	-2.38	0.02
brain_disease_caregiver	(Intercept)	0.29	0.02	17.29	0.00
	Yes	-0.12	0.02	-4.94	0.00
brain_research_participation	(Intercept)	0.29	0.02	18.13	0.00
	Yes	-0.14	0.02	-5.77	0.00
relationship	(Intercept)	0.24	0.02	13.32	0.00
	Stable	-0.02	0.02	-0.86	0.39

## 1.2.11 Question 1: binary - Income

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.54	0.02	-29.28	0.00
age	41-60	-0.02	0.03	-0.87	0.38
	<= 40	-0.21	0.04	-5.81	0.00
education	(Intercept)	-0.62	0.02	-40.31	0.00
	Lower	0.10	0.03	3.86	0.00
gender	(Intercept)	-0.57	0.01	-38.16	0.00
	Man	-0.05	0.03	-1.88	0.06
	Other/Undisclosed	0.17	0.18	0.93	0.35
healthcare_experience	(Intercept)	-0.69	0.02	-42.09	0.00
	Yes	0.27	0.03	10.31	0.00
cognitive_health	(Intercept)	-0.58	0.01	-45.02	0.00
	Below average	0.04	0.05	0.74	0.46
mental_health	(Intercept)	-0.58	0.01	-43.13	0.00
	Below average	0.00	0.04	0.07	0.94
illness_experience	(Intercept)	-0.64	0.02	-38.97	0.00
	Yes	0.14	0.03	5.57	0.00
brain_disease_caregiver	(Intercept)	-0.60	0.02	-34.83	0.00
	Yes	0.04	0.03	1.58	0.11
brain_research_participation	(Intercept)	-0.61	0.02	-36.13	0.00
	Yes	0.05	0.03	2.11	0.03
relationship	(Intercept)	-0.58	0.02	-30.68	0.00
	Stable	0.00	0.03	-0.05	0.96

## 1.3 Ordinal models

## 1.3.1 Question 1: ordinal - Substance use

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.39	0.03	14.67	coefficient
	<= 40	0.34	0.04	9.72	coefficient
	No influence Weak	-4.46	0.06	-70.54	scale
	Weak Moderate	-3.83	0.05	-81.10	scale
	Moderate Strong	-2.30	0.03	-90.12	scale
	Strong Very strong	-0.24	0.02	-13.80	scale
education	Lower	-0.09	0.03	-3.35	coefficient
	No influence Weak	-4.68	0.06	-74.45	scale
	Weak Moderate	-4.05	0.05	-86.82	scale
	Moderate Strong	-2.52	0.02	-104.14	scale
	Strong Very strong	-0.47	0.01	-31.83	scale
gender	Man	-0.29	0.03	-10.73	coefficient
	Other/Undisclosed	-0.43	0.18	-2.47	coefficient
	No influence Weak	-4.74	0.06	-75.43	scale
	Weak Moderate	-4.11	0.05	-88.06	scale
	Moderate Strong	-2.58	0.02	-106.26	scale
healthcare_experience	Strong Very strong	-0.53	0.01	-35.98	scale
	Yes	0.28	0.03	10.92	coefficient
	No influence Weak	-4.55	0.06	-72.48	scale
	Weak Moderate	-3.92	0.05	-84.11	scale
	Moderate Strong	-2.39	0.02	-98.36	scale
cognitive_health	Strong Very strong	-0.34	0.02	-21.92	scale
	Below average	-0.37	0.05	-7.45	coefficient
	No influence Weak	-4.67	0.06	-75.00	scale
	Weak Moderate	-4.05	0.05	-87.95	scale
	Moderate Strong	-2.52	0.02	-109.46	scale
mental_health	Strong Very strong	-0.47	0.01	-36.63	scale
	Below average	-0.07	0.04	-1.99	coefficient
	No influence Weak	-4.66	0.06	-74.64	scale
	Weak Moderate	-4.03	0.05	-87.40	scale
	Moderate Strong	-2.50	0.02	-107.73	scale
	Strong Very strong	-0.45	0.01	-34.30	scale
	Yes	-0.09	0.02	-3.69	coefficient
	No influence Weak	-4.69	0.06	-74.23	scale
	Weak Moderate	-4.06	0.05	-86.32	scale
	Moderate Strong	-2.53	0.02	-101.57	scale

*(continued)*

business_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	-0.48	0.02	-30.26	scale
	Yes	0.00	0.02	-0.07	coefficient
	No influence Weak	-4.65	0.06	-73.52	scale
brain_disease_caregiver	Weak Moderate	-4.02	0.05	-85.14	scale
	Moderate Strong	-2.49	0.03	-98.15	scale
	Strong Very strong	-0.45	0.02	-26.55	scale
	Yes	-0.07	0.02	-2.85	coefficient
	No influence Weak	-4.68	0.06	-74.10	scale
brain_research_participation	Weak Moderate	-4.05	0.05	-85.99	scale
	Moderate Strong	-2.52	0.03	-100.22	scale
	Strong Very strong	-0.48	0.02	-29.08	scale
	Stable	0.02	0.02	0.64	coefficient
	No influence Weak	-4.64	0.06	-72.86	scale
relationship	Weak Moderate	-4.01	0.05	-83.90	scale
	Moderate Strong	-2.48	0.03	-93.80	scale
	Strong Very strong	-0.44	0.02	-23.67	scale

## 1.3.2 Question 1: ordinal - Genetics

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.06	0.02	2.43	coefficient
	<= 40	-0.26	0.03	-8.02	coefficient
	No influence Weak	-5.52	0.10	-58.02	scale
	Weak Moderate	-3.74	0.04	-90.21	scale
	Moderate Strong	-1.56	0.02	-78.11	scale
	Strong Very strong	0.48	0.02	27.58	scale
education	Lower	-0.04	0.02	-1.68	coefficient
	No influence Weak	-5.50	0.09	-58.18	scale
	Weak Moderate	-3.72	0.04	-92.50	scale
	Moderate Strong	-1.55	0.02	-88.31	scale
	Strong Very strong	0.48	0.01	33.17	scale
gender	Man	-0.20	0.03	-8.11	coefficient
	Other/Undisclosed	-0.72	0.17	-4.28	coefficient
	No influence Weak	-5.56	0.09	-58.73	scale
	Weak Moderate	-3.78	0.04	-93.72	scale
	Moderate Strong	-1.61	0.02	-91.27	scale
	Strong Very strong	0.44	0.01	30.60	scale
healthcare_experience	Yes	0.08	0.02	3.46	coefficient
	No influence Weak	-5.46	0.09	-57.67	scale
	Weak Moderate	-3.68	0.04	-90.99	scale
	Moderate Strong	-1.51	0.02	-83.44	scale
	Strong Very strong	0.53	0.02	34.26	scale
cognitive_health	Below average	-0.07	0.05	-1.43	coefficient
	No influence Weak	-5.49	0.09	-58.25	scale
	Weak Moderate	-3.71	0.04	-93.77	scale
	Moderate Strong	-1.55	0.02	-96.07	scale
	Strong Very strong	0.49	0.01	38.60	scale
mental_health	Below average	0.07	0.03	1.98	coefficient
	No influence Weak	-5.48	0.09	-58.09	scale
	Weak Moderate	-3.70	0.04	-93.19	scale
	Moderate Strong	-1.53	0.02	-93.54	scale
	Strong Very strong	0.50	0.01	38.23	scale
	Yes	0.06	0.02	2.63	coefficient
	No influence Weak	-5.47	0.09	-57.72	scale
	Weak Moderate	-3.69	0.04	-90.97	scale
	Moderate Strong	-1.52	0.02	-83.06	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	0.52	0.02	33.45	scale
	Yes	0.33	0.02	14.68	coefficient
	No influence Weak	-5.35	0.09	-56.46	scale
brain_disease_caregiver	Weak Moderate	-3.57	0.04	-87.86	scale
	Moderate Strong	-1.39	0.02	-74.82	scale
	Strong Very strong	0.66	0.02	39.48	scale
	Yes	0.18	0.02	7.88	coefficient
	No influence Weak	-5.42	0.09	-57.18	scale
brain_research_participation	Weak Moderate	-3.64	0.04	-89.64	scale
	Moderate Strong	-1.47	0.02	-79.50	scale
	Strong Very strong	0.58	0.02	35.91	scale
	Stable	0.13	0.02	5.75	coefficient
	No influence Weak	-5.42	0.10	-57.00	scale
relationship	Weak Moderate	-3.64	0.04	-87.98	scale
	Moderate Strong	-1.47	0.02	-72.90	scale
	Strong Very strong	0.57	0.02	31.78	scale

## 1.3.3 Question 1: ordinal - Physical health

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.20	0.03	7.91	coefficient
	<= 40	0.27	0.03	8.06	coefficient
	No influence Weak	-5.95	0.13	-47.31	scale
	Weak Moderate	-4.04	0.05	-80.42	scale
	Moderate Strong	-1.83	0.02	-84.28	scale
	Strong Very strong	0.67	0.02	37.75	scale
education	Lower	-0.31	0.03	-12.46	coefficient
	No influence Weak	-6.17	0.13	-49.15	scale
	Weak Moderate	-4.26	0.05	-85.72	scale
	Moderate Strong	-2.05	0.02	-101.07	scale
	Strong Very strong	0.46	0.01	31.42	scale
gender	Man	-0.17	0.03	-6.76	coefficient
	Other/Undisclosed	0.01	0.17	0.07	coefficient
	No influence Weak	-6.11	0.13	-48.76	scale
	Weak Moderate	-4.20	0.05	-84.92	scale
	Moderate Strong	-1.99	0.02	-100.46	scale
healthcare_experience	Strong Very strong	0.51	0.01	35.05	scale
	Yes	0.33	0.02	13.89	coefficient
	No influence Weak	-5.94	0.13	-47.40	scale
	Weak Moderate	-4.03	0.05	-81.54	scale
	Moderate Strong	-1.82	0.02	-91.10	scale
cognitive_health	Strong Very strong	0.69	0.02	43.32	scale
	Below average	-0.41	0.05	-8.22	coefficient
	No influence Weak	-6.09	0.13	-48.64	scale
	Weak Moderate	-4.18	0.05	-85.31	scale
	Moderate Strong	-1.97	0.02	-105.97	scale
mental_health	Strong Very strong	0.53	0.01	41.47	scale
	Below average	-0.19	0.03	-5.38	coefficient
	No influence Weak	-6.09	0.13	-48.59	scale
	Weak Moderate	-4.18	0.05	-85.07	scale
	Moderate Strong	-1.97	0.02	-104.22	scale
	Strong Very strong	0.53	0.01	39.99	scale
	Yes	-0.13	0.02	-5.53	coefficient
	No influence Weak	-6.11	0.13	-48.70	scale
	Weak Moderate	-4.20	0.05	-84.34	scale
	Moderate Strong	-2.00	0.02	-96.25	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	0.50	0.02	32.13	scale
	Yes	0.12	0.02	5.03	coefficient
	No influence Weak	-6.01	0.13	-47.83	scale
brain_disease_caregiver	Weak Moderate	-4.10	0.05	-82.10	scale
	Moderate Strong	-1.89	0.02	-89.99	scale
	Strong Very strong	0.61	0.02	36.60	scale
	Yes	0.06	0.02	2.39	coefficient
	No influence Weak	-6.04	0.13	-48.08	scale
brain_research_participation	Weak Moderate	-4.13	0.05	-82.83	scale
	Moderate Strong	-1.92	0.02	-92.45	scale
	Strong Very strong	0.58	0.02	35.84	scale
	Stable	0.00	0.02	0.02	coefficient
	No influence Weak	-6.06	0.13	-48.16	scale
relationship	Weak Moderate	-4.15	0.05	-82.11	scale
	Moderate Strong	-1.94	0.02	-86.55	scale
	Strong Very strong	0.55	0.02	30.60	scale

## 1.3.4 Question 1: ordinal - Sleeping habits

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.74	0.03	28.81	coefficient
	<= 40	1.14	0.03	33.41	coefficient
	No influence Weak	-5.44	0.11	-49.04	scale
	Weak Moderate	-3.69	0.05	-77.33	scale
	Moderate Strong	-1.35	0.02	-67.92	scale
	Strong Very strong	1.07	0.02	56.79	scale
education	Lower	-0.15	0.02	-6.24	coefficient
	No influence Weak	-5.86	0.11	-52.86	scale
	Weak Moderate	-4.11	0.05	-86.58	scale
	Moderate Strong	-1.79	0.02	-95.26	scale
	Strong Very strong	0.53	0.01	36.39	scale
gender	Man	-0.32	0.03	-12.44	coefficient
	Other/Undisclosed	0.14	0.17	0.85	coefficient
	No influence Weak	-5.91	0.11	-53.29	scale
	Weak Moderate	-4.16	0.05	-87.53	scale
	Moderate Strong	-1.84	0.02	-97.66	scale
healthcare_experience	Strong Very strong	0.50	0.01	34.50	scale
	Yes	0.27	0.02	11.54	coefficient
	No influence Weak	-5.71	0.11	-51.54	scale
	Weak Moderate	-3.97	0.05	-83.53	scale
	Moderate Strong	-1.64	0.02	-86.84	scale
cognitive_health	Strong Very strong	0.69	0.02	43.78	scale
	Below average	0.13	0.05	2.56	coefficient
	No influence Weak	-5.80	0.11	-52.46	scale
	Weak Moderate	-4.05	0.05	-86.56	scale
	Moderate Strong	-1.73	0.02	-101.13	scale
mental_health	Strong Very strong	0.59	0.01	45.60	scale
	Below average	0.33	0.03	9.69	coefficient
	No influence Weak	-5.77	0.11	-52.18	scale
	Weak Moderate	-4.02	0.05	-85.77	scale
	Moderate Strong	-1.70	0.02	-97.95	scale
	Strong Very strong	0.63	0.01	46.59	scale
	Yes	0.11	0.02	4.68	coefficient
	No influence Weak	-5.77	0.11	-52.00	scale
	Weak Moderate	-4.02	0.05	-84.40	scale
	Moderate Strong	-1.70	0.02	-88.30	scale

*(continued)*

ict	business_experience	term	estimate	std.error	statistic	coef.type
		Strong Very strong	0.63	0.02	39.62	scale
		Yes	-0.10	0.02	-4.43	coefficient
		No influence Weak	-5.86	0.11	-52.74	scale
		Weak Moderate	-4.11	0.05	-85.51	scale
	brain_disease_caregiver	Moderate Strong	-1.79	0.02	-88.46	scale
		Strong Very strong	0.53	0.02	32.47	scale
		Yes	-0.32	0.02	-13.94	coefficient
		No influence Weak	-5.96	0.11	-53.64	scale
		Weak Moderate	-4.21	0.05	-87.55	scale
	brain_research_participation	Moderate Strong	-1.89	0.02	-93.42	scale
		Strong Very strong	0.45	0.02	28.09	scale
		Stable	-0.27	0.02	-11.56	coefficient
		No influence Weak	-5.97	0.11	-53.55	scale
		Weak Moderate	-4.22	0.05	-86.43	scale
	relationship	Moderate Strong	-1.90	0.02	-86.79	scale
		Strong Very strong	0.43	0.02	24.26	scale

## 1.3.5 Question 1: ordinal - Social environment

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.31	0.03	12.49	coefficient
	<= 40	0.69	0.03	20.60	coefficient
	No influence Weak	-5.54	0.11	-51.62	scale
	Weak Moderate	-3.53	0.04	-85.29	scale
	Moderate Strong	-1.36	0.02	-69.53	scale
	Strong Very strong	0.87	0.02	47.81	scale
education	Lower	-0.14	0.02	-5.87	coefficient
	No influence Weak	-5.79	0.11	-54.06	scale
	Weak Moderate	-3.78	0.04	-92.66	scale
	Moderate Strong	-1.61	0.02	-90.26	scale
	Strong Very strong	0.58	0.01	39.71	scale
gender	Man	-0.26	0.03	-10.44	coefficient
	Other/Undisclosed	0.49	0.17	2.88	coefficient
	No influence Weak	-5.82	0.11	-54.37	scale
	Weak Moderate	-3.82	0.04	-93.47	scale
	Moderate Strong	-1.64	0.02	-92.34	scale
healthcare_experience	Strong Very strong	0.56	0.01	38.71	scale
	Yes	0.33	0.02	14.11	coefficient
	No influence Weak	-5.63	0.11	-52.55	scale
	Weak Moderate	-3.62	0.04	-88.81	scale
	Moderate Strong	-1.45	0.02	-80.46	scale
cognitive_health	Strong Very strong	0.76	0.02	47.99	scale
	Below average	-0.28	0.05	-5.79	coefficient
	No influence Weak	-5.76	0.11	-53.93	scale
	Weak Moderate	-3.76	0.04	-93.54	scale
	Moderate Strong	-1.58	0.02	-97.31	scale
mental_health	Strong Very strong	0.61	0.01	47.36	scale
	Below average	0.12	0.03	3.44	coefficient
	No influence Weak	-5.73	0.11	-53.60	scale
	Weak Moderate	-3.72	0.04	-92.56	scale
	Moderate Strong	-1.55	0.02	-94.06	scale
	Strong Very strong	0.64	0.01	47.92	scale
	Yes	-0.04	0.02	-1.55	coefficient
	No influence Weak	-5.76	0.11	-53.70	scale
	Weak Moderate	-3.75	0.04	-91.26	scale
	Moderate Strong	-1.58	0.02	-85.29	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	0.61	0.02	39.10	scale
	Yes	0.02	0.02	0.99	coefficient
	No influence Weak	-5.73	0.11	-53.41	scale
brain_disease_caregiver	Weak Moderate	-3.73	0.04	-90.10	scale
	Moderate Strong	-1.56	0.02	-81.28	scale
	Strong Very strong	0.64	0.02	38.63	scale
	Yes	-0.10	0.02	-4.47	coefficient
	No influence Weak	-5.79	0.11	-53.95	scale
brain_research_participation	Weak Moderate	-3.78	0.04	-91.56	scale
	Moderate Strong	-1.61	0.02	-85.02	scale
	Strong Very strong	0.58	0.02	36.48	scale
	Stable	-0.12	0.02	-5.23	coefficient
	No influence Weak	-5.81	0.11	-54.01	scale
relationship	Weak Moderate	-3.81	0.04	-90.29	scale
	Moderate Strong	-1.63	0.02	-78.89	scale
	Strong Very strong	0.56	0.02	31.25	scale

## 1.3.6 Question 1: ordinal - Life goals

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.02	0.02	0.87	coefficient
	<= 40	-0.17	0.03	-5.34	coefficient
	No influence Weak	-4.63	0.06	-74.53	scale
	Weak Moderate	-2.92	0.03	-98.27	scale
	Moderate Strong	-1.00	0.02	-55.54	scale
	Strong Very strong	1.01	0.02	55.67	scale
education	Lower	-0.08	0.02	-3.26	coefficient
	No influence Weak	-4.63	0.06	-75.38	scale
	Weak Moderate	-2.93	0.03	-103.62	scale
	Moderate Strong	-1.01	0.02	-64.62	scale
	Strong Very strong	1.00	0.02	64.24	scale
gender	Man	-0.13	0.02	-5.35	coefficient
	Other/Undisclosed	0.06	0.17	0.35	coefficient
	No influence Weak	-4.65	0.06	-75.58	scale
	Weak Moderate	-2.94	0.03	-104.40	scale
	Moderate Strong	-1.02	0.02	-66.35	scale
healthcare_experience	Strong Very strong	0.99	0.02	64.49	scale
	Yes	0.24	0.02	10.53	coefficient
	No influence Weak	-4.52	0.06	-73.52	scale
	Weak Moderate	-2.81	0.03	-99.32	scale
	Moderate Strong	-0.89	0.02	-55.81	scale
cognitive_health	Strong Very strong	1.12	0.02	67.64	scale
	Below average	-0.10	0.05	-2.05	coefficient
	No influence Weak	-4.61	0.06	-75.60	scale
	Weak Moderate	-2.91	0.03	-106.49	scale
	Moderate Strong	-0.99	0.01	-71.40	scale
mental_health	Strong Very strong	1.02	0.01	73.06	scale
	Below average	-0.11	0.03	-3.12	coefficient
	No influence Weak	-4.62	0.06	-75.58	scale
	Weak Moderate	-2.92	0.03	-105.90	scale
	Moderate Strong	-1.00	0.01	-70.04	scale
	Strong Very strong	1.01	0.01	70.80	scale
	Yes	0.04	0.02	1.74	coefficient
	No influence Weak	-4.59	0.06	-74.52	scale
	Weak Moderate	-2.89	0.03	-100.89	scale
	Moderate Strong	-0.97	0.02	-59.31	scale

*(continued)*

business_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	1.04	0.02	63.02	scale
	Yes	-0.03	0.02	-1.45	coefficient
	No influence Weak	-4.62	0.06	-74.73	scale
brain_disease_caregiver	Weak Moderate	-2.92	0.03	-100.18	scale
	Moderate Strong	-1.00	0.02	-58.29	scale
	Strong Very strong	1.01	0.02	58.85	scale
	Yes	-0.15	0.02	-6.60	coefficient
	No influence Weak	-4.67	0.06	-75.61	scale
brain_research_participation	Weak Moderate	-2.97	0.03	-102.21	scale
	Moderate Strong	-1.05	0.02	-62.08	scale
	Strong Very strong	0.96	0.02	57.71	scale
	Stable	-0.04	0.02	-1.57	coefficient
	No influence Weak	-4.63	0.06	-74.30	scale
relationship	Weak Moderate	-2.92	0.03	-97.38	scale
	Moderate Strong	-1.00	0.02	-53.84	scale
	Strong Very strong	1.01	0.02	53.97	scale

## 1.3.7 Question 1: ordinal - Physical environment

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.20	0.02	8.20	coefficient
	<= 40	0.13	0.03	3.99	coefficient
	No influence Weak	-5.48	0.10	-55.39	scale
	Weak Moderate	-3.06	0.03	-93.95	scale
	Moderate Strong	-0.84	0.02	-46.96	scale
	Strong Very strong	1.17	0.02	62.60	scale
education	Lower	0.06	0.02	2.28	coefficient
	No influence Weak	-5.55	0.10	-56.38	scale
	Weak Moderate	-3.14	0.03	-100.07	scale
	Moderate Strong	-0.92	0.02	-59.88	scale
	Strong Very strong	1.09	0.02	68.64	scale
gender	Man	-0.16	0.02	-6.41	coefficient
	Other/Undisclosed	0.29	0.17	1.72	coefficient
	No influence Weak	-5.62	0.10	-57.01	scale
	Weak Moderate	-3.20	0.03	-101.87	scale
	Moderate Strong	-0.98	0.02	-64.11	scale
healthcare_experience	Strong Very strong	1.03	0.02	66.41	scale
	Yes	0.19	0.02	8.16	coefficient
	No influence Weak	-5.50	0.10	-55.95	scale
	Weak Moderate	-3.09	0.03	-97.73	scale
	Moderate Strong	-0.87	0.02	-54.33	scale
cognitive_health	Strong Very strong	1.14	0.02	68.65	scale
	Below average	-0.19	0.05	-3.84	coefficient
	No influence Weak	-5.58	0.10	-56.80	scale
	Weak Moderate	-3.17	0.03	-103.33	scale
	Moderate Strong	-0.95	0.01	-68.97	scale
mental_health	Strong Very strong	1.06	0.01	75.12	scale
	Below average	-0.07	0.03	-2.05	coefficient
	No influence Weak	-5.58	0.10	-56.74	scale
	Weak Moderate	-3.16	0.03	-102.66	scale
	Moderate Strong	-0.95	0.01	-66.89	scale
	Strong Very strong	1.06	0.01	73.20	scale
	Yes	0.13	0.02	5.86	coefficient
	No influence Weak	-5.52	0.10	-56.02	scale
	Weak Moderate	-3.10	0.03	-97.87	scale
	Moderate Strong	-0.88	0.02	-54.73	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	1.12	0.02	66.99	scale
	Yes	0.04	0.02	1.69	coefficient
	No influence Weak	-5.55	0.10	-56.22	scale
brain_disease_caregiver	Weak Moderate	-3.14	0.03	-97.48	scale
	Moderate Strong	-0.92	0.02	-54.10	scale
	Strong Very strong	1.09	0.02	62.46	scale
	Yes	0.02	0.02	0.76	coefficient
	No influence Weak	-5.56	0.10	-56.36	scale
brain_research_participation	Weak Moderate	-3.15	0.03	-98.37	scale
	Moderate Strong	-0.93	0.02	-55.96	scale
	Strong Very strong	1.08	0.02	63.41	scale
	Stable	-0.08	0.02	-3.71	coefficient
	No influence Weak	-5.62	0.10	-56.73	scale
relationship	Weak Moderate	-3.20	0.03	-96.71	scale
	Moderate Strong	-0.98	0.02	-53.00	scale
	Strong Very strong	1.02	0.02	54.83	scale

## 1.3.8 Question 1: ordinal - Diet

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.42	0.02	17.02	coefficient
	<= 40	0.53	0.03	16.22	coefficient
	No influence Weak	-4.61	0.07	-66.74	scale
	Weak Moderate	-2.84	0.03	-91.06	scale
	Moderate Strong	-0.69	0.02	-38.82	scale
	Strong Very strong	1.45	0.02	73.97	scale
education	Lower	-0.24	0.02	-9.83	coefficient
	No influence Weak	-4.91	0.07	-71.39	scale
	Weak Moderate	-3.15	0.03	-103.15	scale
	Moderate Strong	-1.00	0.02	-64.10	scale
	Strong Very strong	1.12	0.02	69.89	scale
gender	Man	-0.30	0.03	-12.07	coefficient
	Other/Undisclosed	0.10	0.17	0.60	coefficient
	No influence Weak	-4.93	0.07	-71.62	scale
	Weak Moderate	-3.16	0.03	-103.75	scale
	Moderate Strong	-1.01	0.02	-65.61	scale
healthcare_experience	Strong Very strong	1.11	0.02	70.49	scale
	Yes	0.33	0.02	14.24	coefficient
	No influence Weak	-4.72	0.07	-68.63	scale
	Weak Moderate	-2.95	0.03	-97.17	scale
	Moderate Strong	-0.80	0.02	-50.56	scale
cognitive_health	Strong Very strong	1.32	0.02	76.48	scale
	Below average	-0.39	0.05	-8.06	coefficient
	No influence Weak	-4.86	0.07	-71.06	scale
	Weak Moderate	-3.10	0.03	-104.69	scale
	Moderate Strong	-0.95	0.01	-68.82	scale
mental_health	Strong Very strong	1.17	0.01	80.55	scale
	Below average	-0.20	0.03	-5.93	coefficient
	No influence Weak	-4.86	0.07	-70.99	scale
	Weak Moderate	-3.10	0.03	-104.07	scale
	Moderate Strong	-0.95	0.01	-67.03	scale
	Strong Very strong	1.16	0.01	78.30	scale
	Yes	-0.10	0.02	-4.22	coefficient
	No influence Weak	-4.87	0.07	-70.65	scale
	Weak Moderate	-3.11	0.03	-100.68	scale
	Moderate Strong	-0.96	0.02	-58.79	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
brain_disease_caregiver	Strong Very strong	1.15	0.02	68.03	scale
	Yes	0.16	0.02	6.95	coefficient
	No influence Weak	-4.76	0.07	-69.00	scale
	Weak Moderate	-3.00	0.03	-96.71	scale
	Moderate Strong	-0.85	0.02	-50.28	scale
brain_research_participation	Strong Very strong	1.26	0.02	70.21	scale
	Yes	0.05	0.02	1.99	coefficient
	No influence Weak	-4.81	0.07	-69.79	scale
	Weak Moderate	-3.05	0.03	-98.69	scale
	Moderate Strong	-0.90	0.02	-54.50	scale
relationship	Strong Very strong	1.21	0.02	69.39	scale
	Stable	-0.07	0.02	-2.98	coefficient
	No influence Weak	-4.87	0.07	-70.07	scale
	Weak Moderate	-3.11	0.03	-96.85	scale
	Moderate Strong	-0.96	0.02	-51.70	scale
	Strong Very strong	1.15	0.02	60.37	scale

## 1.3.9 Question 1: ordinal - Education

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.04	0.02	-1.78	coefficient
	<= 40	0.23	0.03	7.05	coefficient
	No influence Weak	-4.09	0.05	-83.03	scale
	Weak Moderate	-2.40	0.03	-95.97	scale
	Moderate Strong	-0.41	0.02	-24.25	scale
	Strong Very strong	1.57	0.02	78.90	scale
education	Lower	-0.49	0.02	-20.39	coefficient
	No influence Weak	-4.29	0.05	-87.97	scale
	Weak Moderate	-2.59	0.02	-108.65	scale
	Moderate Strong	-0.59	0.01	-40.19	scale
	Strong Very strong	1.41	0.02	82.11	scale
gender	Man	0.10	0.02	3.93	coefficient
	Other/Undisclosed	0.15	0.17	0.89	coefficient
	No influence Weak	-4.08	0.05	-84.51	scale
	Weak Moderate	-2.39	0.02	-103.91	scale
	Moderate Strong	-0.41	0.01	-28.67	scale
	Strong Very strong	1.57	0.02	90.20	scale
healthcare_experience	Yes	0.30	0.02	13.12	coefficient
	No influence Weak	-4.00	0.05	-82.60	scale
	Weak Moderate	-2.31	0.02	-98.63	scale
	Moderate Strong	-0.32	0.02	-21.11	scale
	Strong Very strong	1.67	0.02	89.89	scale
cognitive_health	Below average	-0.41	0.05	-8.71	coefficient
	No influence Weak	-4.14	0.05	-86.28	scale
	Weak Moderate	-2.45	0.02	-109.73	scale
	Moderate Strong	-0.46	0.01	-36.06	scale
	Strong Very strong	1.52	0.02	95.08	scale
mental_health	Below average	-0.32	0.03	-9.56	coefficient
	No influence Weak	-4.15	0.05	-86.38	scale
	Weak Moderate	-2.46	0.02	-109.02	scale
	Moderate Strong	-0.47	0.01	-36.15	scale
	Strong Very strong	1.51	0.02	92.50	scale
	Yes	-0.10	0.02	-4.43	coefficient
	No influence Weak	-4.15	0.05	-85.13	scale
	Weak Moderate	-2.46	0.02	-102.68	scale
	Moderate Strong	-0.47	0.02	-30.73	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
brain_disease_caregiver	Strong Very strong	1.51	0.02	82.88	scale
	Yes	-0.10	0.02	-4.28	coefficient
	No influence Weak	-4.15	0.05	-84.76	scale
	Weak Moderate	-2.46	0.02	-100.62	scale
	Moderate Strong	-0.48	0.02	-29.47	scale
brain_research_participation	Strong Very strong	1.50	0.02	79.77	scale
	Yes	-0.02	0.02	-1.10	coefficient
	No influence Weak	-4.12	0.05	-84.39	scale
	Weak Moderate	-2.43	0.02	-100.84	scale
	Moderate Strong	-0.44	0.02	-28.23	scale
relationship	Strong Very strong	1.54	0.02	82.74	scale
	Stable	0.00	0.02	-0.16	coefficient
	No influence Weak	-4.11	0.05	-83.15	scale
	Weak Moderate	-2.42	0.03	-95.48	scale
	Moderate Strong	-0.44	0.02	-24.64	scale
	Strong Very strong	1.54	0.02	76.24	scale

## 1.3.10 Question 1: ordinal - Profession

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.17	0.02	7.01	coefficient
	<= 40	0.38	0.03	11.75	coefficient
	No influence Weak	-3.75	0.04	-85.03	scale
	Weak Moderate	-2.17	0.02	-91.21	scale
	Moderate Strong	-0.11	0.02	-6.35	scale
	Strong Very strong	2.04	0.02	92.50	scale
education	Lower	-0.30	0.02	-12.53	coefficient
	No influence Weak	-3.97	0.04	-91.30	scale
	Weak Moderate	-2.39	0.02	-106.10	scale
	Moderate Strong	-0.33	0.01	-22.77	scale
	Strong Very strong	1.82	0.02	94.52	scale
gender	Man	0.14	0.02	5.56	coefficient
	Other/Undisclosed	0.00	0.17	0.01	coefficient
	No influence Weak	-3.83	0.04	-88.77	scale
	Weak Moderate	-2.25	0.02	-102.78	scale
	Moderate Strong	-0.19	0.01	-13.84	scale
	Strong Very strong	1.94	0.02	99.89	scale
healthcare_experience	Yes	0.22	0.02	9.65	coefficient
	No influence Weak	-3.79	0.04	-87.28	scale
	Weak Moderate	-2.20	0.02	-98.33	scale
	Moderate Strong	-0.15	0.02	-9.79	scale
	Strong Very strong	1.99	0.02	98.03	scale
cognitive_health	Below average	-0.24	0.05	-5.08	coefficient
	No influence Weak	-3.89	0.04	-90.82	scale
	Weak Moderate	-2.30	0.02	-109.13	scale
	Moderate Strong	-0.25	0.01	-19.75	scale
	Strong Very strong	1.89	0.02	104.23	scale
mental_health	Below average	-0.10	0.03	-3.13	coefficient
	No influence Weak	-3.88	0.04	-90.52	scale
	Weak Moderate	-2.30	0.02	-107.74	scale
	Moderate Strong	-0.25	0.01	-19.05	scale
	Strong Very strong	1.89	0.02	102.62	scale
	Yes	-0.05	0.02	-2.17	coefficient
	No influence Weak	-3.89	0.04	-89.08	scale
	Weak Moderate	-2.31	0.02	-101.00	scale
	Moderate Strong	-0.25	0.02	-16.56	scale

*(continued)*

illness_experience	term	estimate	std.error	statistic	coef.type
	Strong Very strong	1.88	0.02	93.76	scale
	Yes	-0.13	0.02	-6.01	coefficient
	No influence Weak	-3.93	0.04	-89.36	scale
brain_disease_caregiver	Weak Moderate	-2.35	0.02	-100.01	scale
	Moderate Strong	-0.30	0.02	-18.37	scale
	Strong Very strong	1.84	0.02	89.51	scale
	Yes	-0.15	0.02	-6.56	coefficient
	No influence Weak	-3.94	0.04	-89.70	scale
brain_research_participation	Weak Moderate	-2.35	0.02	-101.27	scale
	Moderate Strong	-0.30	0.02	-18.97	scale
	Strong Very strong	1.84	0.02	91.00	scale
	Stable	-0.05	0.02	-2.04	coefficient
	No influence Weak	-3.90	0.04	-87.51	scale
relationship	Weak Moderate	-2.31	0.02	-94.65	scale
	Moderate Strong	-0.26	0.02	-14.70	scale
	Strong Very strong	1.88	0.02	85.81	scale

## 1.3.11 Question 1: ordinal - Income

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.04	0.02	-1.51	coefficient
	<= 40	-0.28	0.03	-8.55	coefficient
	No influence Weak	-3.26	0.03	-97.38	scale
	Weak Moderate	-1.47	0.02	-75.43	scale
	Moderate Strong	0.53	0.02	30.57	scale
	Strong Very strong	2.67	0.03	96.51	scale
education	Lower	0.09	0.02	3.53	coefficient
	No influence Weak	-3.17	0.03	-99.43	scale
	Weak Moderate	-1.38	0.02	-82.25	scale
	Moderate Strong	0.61	0.01	41.51	scale
	Strong Very strong	2.75	0.03	104.64	scale
gender	Man	-0.12	0.02	-4.63	coefficient
	Other/Undisclosed	0.18	0.17	1.02	coefficient
	No influence Weak	-3.23	0.03	-101.07	scale
	Weak Moderate	-1.44	0.02	-85.65	scale
	Moderate Strong	0.55	0.01	38.47	scale
healthcare_experience	Strong Very strong	2.69	0.03	103.57	scale
	Yes	0.29	0.02	12.48	coefficient
	No influence Weak	-3.09	0.03	-96.53	scale
	Weak Moderate	-1.31	0.02	-75.46	scale
	Moderate Strong	0.70	0.02	44.57	scale
cognitive_health	Strong Very strong	2.84	0.03	105.35	scale
	Below average	-0.10	0.05	-2.11	coefficient
	No influence Weak	-3.20	0.03	-102.60	scale
	Weak Moderate	-1.42	0.02	-91.57	scale
	Moderate Strong	0.58	0.01	44.84	scale
mental_health	Strong Very strong	2.72	0.03	107.62	scale
	Below average	-0.06	0.03	-1.68	coefficient
	No influence Weak	-3.20	0.03	-102.06	scale
	Weak Moderate	-1.42	0.02	-89.62	scale
	Moderate Strong	0.58	0.01	43.36	scale
	Strong Very strong	2.72	0.03	106.69	scale
	Yes	0.12	0.02	5.38	coefficient
	No influence Weak	-3.15	0.03	-97.61	scale
	Weak Moderate	-1.36	0.02	-77.60	scale
	Moderate Strong	0.63	0.02	40.48	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
illness_experience	Strong Very strong	2.77	0.03	103.25	scale
	Yes	0.04	0.02	1.64	coefficient
	No influence Weak	-3.18	0.03	-97.19	scale
brain_disease_caregiver	Weak Moderate	-1.39	0.02	-75.89	scale
	Moderate Strong	0.60	0.02	36.65	scale
	Strong Very strong	2.74	0.03	100.66	scale
brain_research_participation	Yes	0.05	0.02	2.08	coefficient
	No influence Weak	-3.18	0.03	-97.71	scale
	Weak Moderate	-1.39	0.02	-77.24	scale
relationship	Moderate Strong	0.60	0.02	37.77	scale
	Strong Very strong	2.74	0.03	101.65	scale
	Stable	0.00	0.02	0.11	coefficient
relationship	No influence Weak	-3.19	0.03	-95.36	scale
	Weak Moderate	-1.41	0.02	-71.44	scale
	Moderate Strong	0.58	0.02	32.81	scale
relationship	Strong Very strong	2.72	0.03	97.03	scale

## 1.4 Comparison binary and continuous model results

### 1.4.1 Question 1: bin\_vs\_cont - Substance use

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
brain_research_participation	Yes	0	0.05	0.09	0.93	Yes	-0.02	0.01	-2	0.05

### 1.4.2 Question 1: bin\_vs\_cont - Sleeping habits

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
cognitive_health	Below average	-0.08	0.07	-1.21	0.23	Below average	0.02	0.02	1.28	0.2

### 1.4.3 Question 1: bin\_vs\_cont - Life goals

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
age	41-60	-0.05	0.03	-1.73	0.08	41-60	0.01	0.01	0.49	0.62
relationship	Stable	0.01	0.03	0.45	0.65	Stable	-0.01	0.01	-0.93	0.35

**1.4.4 Question 1: bin\_vs\_cont - Diet**

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
gender	Other/Undisclosed	-0.06	0.2	-0.32	0.75	Other/Undisclosed	0.05	0.07	0.65	0.51

**1.4.5 Question 1: bin\_vs\_cont - Education**

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
relationship	Stable	0.03	0.02	1.03	0.3	Stable	0	0.01	-0.14	0.89

**1.4.6 Question 1: bin\_vs\_cont - Income**

fct	Binary					Continuous				
	term	log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
cognitive_health	Below average	0.04	0.05	0.74	0.46	Below average	-0.06	0.02	-2.64	0.01
mental_health	Below average	0.00	0.04	0.07	0.94	Below average	-0.03	0.02	-1.74	0.08
relationship	Stable	0.00	0.03	-0.05	0.96	Stable	0.00	0.01	0.09	0.93

## 2 Question 2

### 2.1 Continuous models

## 2.1.1 Question 2: continuous - In the womb

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.25	0.01	424.60	0.00
age	41-60	0.17	0.01	14.54	0.00
	<= 40	0.18	0.01	12.24	0.00
education	(Intercept)	3.41	0.01	546.44	0.00
	Lower	-0.22	0.01	-19.76	0.00
gender	(Intercept)	3.40	0.01	554.77	0.00
	Man	-0.22	0.01	-18.76	0.00
	Other/Undisclosed	0.03	0.08	0.33	0.74
healthcare_experience	(Intercept)	3.25	0.01	492.92	0.00
	Yes	0.24	0.01	22.48	0.00
cognitive_health	(Intercept)	3.35	0.01	624.96	0.00
	Below average	-0.20	0.02	-9.35	0.00
mental_health	(Intercept)	3.34	0.01	597.91	0.00
	Below average	-0.02	0.02	-1.30	0.19
illness_experience	(Intercept)	3.34	0.01	495.49	0.00
	Yes	0.00	0.01	-0.20	0.84
brain_disease_caregiver	(Intercept)	3.30	0.01	464.18	0.00
	Yes	0.08	0.01	7.59	0.00
brain_research_participation	(Intercept)	3.34	0.01	482.93	0.00
	Yes	0.00	0.01	0.42	0.67
relationship	(Intercept)	3.33	0.01	424.85	0.00
	Stable	0.01	0.01	1.40	0.16

## 2.1.2 Question 2: continuous - Childhood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.59	0.01	685.25	0.00
age	41-60	0.12	0.01	15.09	0.00
	<= 40	0.18	0.01	17.75	0.00
education	(Intercept)	3.70	0.00	859.50	0.00
	Lower	-0.11	0.01	-14.84	0.00
gender	(Intercept)	3.69	0.00	871.25	0.00
	Man	-0.09	0.01	-11.39	0.00
	Other/Undisclosed	0.04	0.05	0.80	0.42
healthcare_experience	(Intercept)	3.62	0.00	795.47	0.00
	Yes	0.11	0.01	15.41	0.00
cognitive_health	(Intercept)	3.67	0.00	994.69	0.00
	Below average	-0.12	0.02	-7.83	0.00
mental_health	(Intercept)	3.66	0.00	952.42	0.00
	Below average	0.02	0.01	2.17	0.03
illness_experience	(Intercept)	3.66	0.00	790.22	0.00
	Yes	0.00	0.01	-0.36	0.72
brain_disease_caregiver	(Intercept)	3.66	0.00	748.43	0.00
	Yes	0.00	0.01	-0.41	0.68
brain_research_participation	(Intercept)	3.67	0.00	772.67	0.00
	Yes	-0.02	0.01	-2.64	0.01
relationship	(Intercept)	3.67	0.01	681.02	0.00
	Stable	-0.02	0.01	-2.31	0.02

## 2.1.3 Question 2: continuous - Adolescence

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.60	0.00	739.48	0.00
age	41-60	0.10	0.01	13.91	0.00
	<= 40	0.16	0.01	16.49	0.00
education	(Intercept)	3.68	0.00	919.07	0.00
	Lower	-0.06	0.01	-9.00	0.00
gender	(Intercept)	3.69	0.00	938.03	0.00
	Man	-0.09	0.01	-12.11	0.00
	Other/Undisclosed	0.05	0.05	0.94	0.35
healthcare_experience	(Intercept)	3.63	0.00	857.58	0.00
	Yes	0.09	0.01	13.28	0.00
cognitive_health	(Intercept)	3.67	0.00	1070.09	0.00
	Below average	-0.09	0.01	-6.42	0.00
mental_health	(Intercept)	3.66	0.00	1025.39	0.00
	Below average	0.02	0.01	2.32	0.02
illness_experience	(Intercept)	3.66	0.00	849.83	0.00
	Yes	0.01	0.01	1.19	0.24
brain_disease_caregiver	(Intercept)	3.66	0.00	805.15	0.00
	Yes	0.00	0.01	0.66	0.51
brain_research_participation	(Intercept)	3.66	0.00	829.97	0.00
	Yes	0.00	0.01	0.09	0.93
relationship	(Intercept)	3.68	0.01	734.28	0.00
	Stable	-0.03	0.01	-3.75	0.00

## 2.1.4 Question 2: continuous - Young adulthood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.51	0.01	670.76	0.00
age	41-60	0.07	0.01	9.61	0.00
	<= 40	0.07	0.01	7.29	0.00
education	(Intercept)	3.55	0.00	827.66	0.00
	Lower	-0.01	0.01	-1.85	0.06
gender	(Intercept)	3.58	0.00	853.74	0.00
	Man	-0.12	0.01	-15.84	0.00
	Other/Undisclosed	-0.05	0.05	-1.03	0.30
healthcare_experience	(Intercept)	3.51	0.00	775.81	0.00
	Yes	0.09	0.01	12.85	0.00
cognitive_health	(Intercept)	3.55	0.00	968.01	0.00
	Below average	-0.05	0.01	-3.67	0.00
mental_health	(Intercept)	3.55	0.00	929.45	0.00
	Below average	-0.01	0.01	-0.63	0.53
illness_experience	(Intercept)	3.53	0.00	767.77	0.00
	Yes	0.03	0.01	4.43	0.00
brain_disease_caregiver	(Intercept)	3.52	0.00	725.02	0.00
	Yes	0.05	0.01	7.39	0.00
brain_research_participation	(Intercept)	3.54	0.00	749.48	0.00
	Yes	0.02	0.01	2.78	0.01
relationship	(Intercept)	3.55	0.01	662.83	0.00
	Stable	0.00	0.01	-0.67	0.51

## 2.1.5 Question 2: continuous - Middle age

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.56	0.01	700.08	0.00
age	41-60	0.10	0.01	12.88	0.00
	<= 40	-0.01	0.01	-0.84	0.40
education	(Intercept)	3.60	0.00	860.58	0.00
	Lower	-0.01	0.01	-1.73	0.08
gender	(Intercept)	3.65	0.00	893.54	0.00
	Man	-0.16	0.01	-20.93	0.00
	Other/Undisclosed	-0.17	0.05	-3.23	0.00
healthcare_experience	(Intercept)	3.57	0.00	808.12	0.00
	Yes	0.07	0.01	9.33	0.00
cognitive_health	(Intercept)	3.60	0.00	1006.69	0.00
	Below average	-0.05	0.01	-3.65	0.00
mental_health	(Intercept)	3.60	0.00	967.35	0.00
	Below average	-0.02	0.01	-2.40	0.02
illness_experience	(Intercept)	3.59	0.00	799.55	0.00
	Yes	0.02	0.01	2.48	0.01
brain_disease_caregiver	(Intercept)	3.56	0.00	751.82	0.00
	Yes	0.09	0.01	13.03	0.00
brain_research_participation	(Intercept)	3.59	0.00	778.77	0.00
	Yes	0.03	0.01	4.17	0.00
relationship	(Intercept)	3.59	0.01	686.89	0.00
	Stable	0.02	0.01	2.54	0.01

### 2.1.6 Question 2: continuous - Old age

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.69	0.00	745.06	0.00
age	41-60	0.01	0.01	1.40	0.16
	<= 40	-0.09	0.01	-9.28	0.00
education	(Intercept)	3.70	0.00	907.70	0.00
	Lower	-0.04	0.01	-5.44	0.00
gender	(Intercept)	3.72	0.00	933.78	0.00
	Man	-0.12	0.01	-16.04	0.00
	Other/Undisclosed	-0.17	0.05	-3.32	0.00
healthcare_experience	(Intercept)	3.67	0.00	852.14	0.00
	Yes	0.04	0.01	5.57	0.00
cognitive_health	(Intercept)	3.69	0.00	1059.06	0.00
	Below average	-0.05	0.01	-3.63	0.00
mental_health	(Intercept)	3.69	0.00	1018.63	0.00
	Below average	-0.04	0.01	-4.24	0.00
illness_experience	(Intercept)	3.68	0.00	841.89	0.00
	Yes	0.01	0.01	1.63	0.10
brain_disease_caregiver	(Intercept)	3.65	0.00	792.71	0.00
	Yes	0.06	0.01	9.54	0.00
brain_research_participation	(Intercept)	3.66	0.00	818.20	0.00
	Yes	0.05	0.01	6.83	0.00
relationship	(Intercept)	3.67	0.01	722.10	0.00
	Stable	0.02	0.01	3.53	0.00

## 2.2 Binary models

## 2.2.1 Question 2: binary - In the womb

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.43	0.02	63.24	0.00
age	41-60	0.40	0.04	10.94	0.00
	<= 40	0.39	0.05	8.04	0.00
education	(Intercept)	1.82	0.02	86.26	0.00
	Lower	-0.52	0.03	-15.42	0.00
gender	(Intercept)	1.81	0.02	87.70	0.00
	Man	-0.54	0.03	-15.83	0.00
	Other/Undisclosed	0.04	0.26	0.15	0.88
healthcare_experience	(Intercept)	1.42	0.02	72.64	0.00
	Yes	0.65	0.04	17.78	0.00
cognitive_health	(Intercept)	1.67	0.02	97.64	0.00
	Below average	-0.51	0.06	-8.47	0.00
mental_health	(Intercept)	1.65	0.02	93.42	0.00
	Below average	-0.14	0.05	-3.00	0.00
illness_experience	(Intercept)	1.64	0.02	77.25	0.00
	Yes	-0.02	0.03	-0.65	0.52
brain_disease_caregiver	(Intercept)	1.53	0.02	70.58	0.00
	Yes	0.24	0.03	7.35	0.00
brain_research_participation	(Intercept)	1.65	0.02	75.48	0.00
	Yes	-0.03	0.03	-1.05	0.29
relationship	(Intercept)	1.60	0.02	65.62	0.00
	Stable	0.06	0.03	1.88	0.06

## 2.2.2 Question 2: binary - Childhood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.65	0.04	73.93	0.00
age	41-60	0.57	0.06	9.17	0.00
	<= 40	0.64	0.09	7.26	0.00
education	(Intercept)	3.13	0.04	86.00	0.00
	Lower	-0.56	0.06	-9.99	0.00
gender	(Intercept)	3.10	0.04	87.94	0.00
	Man	-0.52	0.06	-9.23	0.00
	Other/Undisclosed	-0.12	0.42	-0.28	0.78
healthcare_experience	(Intercept)	2.70	0.03	85.08	0.00
	Yes	0.72	0.06	11.26	0.00
cognitive_health	(Intercept)	2.97	0.03	102.68	0.00
	Below average	-0.58	0.09	-6.21	0.00
mental_health	(Intercept)	2.93	0.03	99.12	0.00
	Below average	-0.04	0.08	-0.46	0.65
illness_experience	(Intercept)	2.96	0.04	81.90	0.00
	Yes	-0.08	0.06	-1.48	0.14
brain_disease_caregiver	(Intercept)	2.92	0.04	77.91	0.00
	Yes	0.02	0.06	0.29	0.77
brain_research_participation	(Intercept)	2.96	0.04	79.93	0.00
	Yes	-0.07	0.06	-1.31	0.19
relationship	(Intercept)	2.98	0.04	70.24	0.00
	Stable	-0.10	0.06	-1.76	0.08

## 2.2.3 Question 2: binary - Adolescence

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.06	0.04	71.14	0.00
age	41-60	0.54	0.07	7.18	0.00
	<= 40	0.76	0.11	6.79	0.00
education	(Intercept)	3.49	0.04	81.21	0.00
	Lower	-0.40	0.07	-5.93	0.00
gender	(Intercept)	3.47	0.04	82.93	0.00
	Man	-0.39	0.07	-5.59	0.00
	Other/Undisclosed	-0.29	0.46	-0.64	0.52
healthcare_experience	(Intercept)	3.15	0.04	81.08	0.00
	Yes	0.58	0.08	7.74	0.00
cognitive_health	(Intercept)	3.40	0.04	96.48	0.00
	Below average	-0.69	0.11	-6.44	0.00
mental_health	(Intercept)	3.36	0.04	93.38	0.00
	Below average	-0.11	0.09	-1.16	0.25
illness_experience	(Intercept)	3.35	0.04	77.56	0.00
	Yes	-0.01	0.07	-0.12	0.91
brain_disease_caregiver	(Intercept)	3.34	0.05	73.49	0.00
	Yes	0.00	0.07	-0.02	0.98
brain_research_participation	(Intercept)	3.36	0.04	75.48	0.00
	Yes	-0.05	0.07	-0.68	0.50
relationship	(Intercept)	3.42	0.05	65.86	0.00
	Stable	-0.13	0.07	-1.96	0.05

## 2.2.4 Question 2: binary - Young adulthood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.85	0.04	72.82	0.00
age	41-60	0.46	0.07	6.98	0.00
	<= 40	0.19	0.08	2.35	0.02
education	(Intercept)	3.02	0.03	87.28	0.00
	Lower	0.05	0.06	0.86	0.39
gender	(Intercept)	3.24	0.04	86.19	0.00
	Man	-0.58	0.06	-9.85	0.00
	Other/Undisclosed	-0.68	0.35	-1.96	0.05
healthcare_experience	(Intercept)	2.88	0.03	83.82	0.00
	Yes	0.47	0.06	7.38	0.00
cognitive_health	(Intercept)	3.07	0.03	101.50	0.00
	Below average	-0.42	0.10	-4.08	0.00
mental_health	(Intercept)	3.06	0.03	97.59	0.00
	Below average	-0.19	0.08	-2.36	0.02
illness_experience	(Intercept)	2.99	0.04	81.65	0.00
	Yes	0.12	0.06	2.07	0.04
brain_disease_caregiver	(Intercept)	2.94	0.04	77.70	0.00
	Yes	0.21	0.06	3.63	0.00
brain_research_participation	(Intercept)	3.06	0.04	78.97	0.00
	Yes	-0.04	0.06	-0.77	0.44
relationship	(Intercept)	3.00	0.04	70.12	0.00
	Stable	0.07	0.06	1.19	0.23

## 2.2.5 Question 2: binary - Middle age

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.01	0.04	71.66	0.00
age	41-60	0.52	0.07	7.17	0.00
	<= 40	-0.20	0.08	-2.57	0.01
education	(Intercept)	3.16	0.04	85.70	0.00
	Lower	-0.08	0.06	-1.20	0.23
gender	(Intercept)	3.48	0.04	82.85	0.00
	Man	-0.89	0.06	-14.53	0.00
	Other/Undisclosed	-1.41	0.29	-4.91	0.00
healthcare_experience	(Intercept)	2.99	0.04	82.84	0.00
	Yes	0.43	0.07	6.47	0.00
cognitive_health	(Intercept)	3.17	0.03	100.16	0.00
	Below average	-0.43	0.11	-3.98	0.00
mental_health	(Intercept)	3.19	0.03	95.93	0.00
	Below average	-0.36	0.08	-4.49	0.00
illness_experience	(Intercept)	3.09	0.04	80.68	0.00
	Yes	0.13	0.06	2.02	0.04
brain_disease_caregiver	(Intercept)	2.96	0.04	77.62	0.00
	Yes	0.43	0.06	6.89	0.00
brain_research_participation	(Intercept)	3.12	0.04	78.37	0.00
	Yes	0.04	0.06	0.73	0.46
relationship	(Intercept)	3.08	0.04	69.46	0.00
	Stable	0.11	0.06	1.79	0.07

### 2.2.6 Question 2: binary - Old age

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.23	0.05	69.57	0.00
age	41-60	0.17	0.07	2.35	0.02
	<= 40	-0.60	0.08	-7.93	0.00
education	(Intercept)	3.24	0.04	84.73	0.00
	Lower	-0.23	0.06	-3.60	0.00
gender	(Intercept)	3.50	0.04	82.59	0.00
	Man	-0.88	0.06	-14.25	0.00
	Other/Undisclosed	-1.05	0.33	-3.17	0.00
healthcare_experience	(Intercept)	3.04	0.04	82.38	0.00
	Yes	0.35	0.07	5.26	0.00
cognitive_health	(Intercept)	3.19	0.03	99.83	0.00
	Below average	-0.42	0.11	-3.87	0.00
mental_health	(Intercept)	3.23	0.03	95.43	0.00
	Below average	-0.43	0.08	-5.41	0.00
illness_experience	(Intercept)	3.12	0.04	80.34	0.00
	Yes	0.10	0.06	1.59	0.11
brain_disease_caregiver	(Intercept)	3.02	0.04	77.11	0.00
	Yes	0.34	0.06	5.48	0.00
brain_research_participation	(Intercept)	3.09	0.04	78.74	0.00
	Yes	0.19	0.06	2.97	0.00
relationship	(Intercept)	3.06	0.04	69.64	0.00
	Stable	0.19	0.06	3.09	0.00

### 2.3 Ordinal models

## 2.3.1 Question 2: ordinal - In the womb

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.36	0.03	14.06	coefficient
	<= 40	0.41	0.03	11.92	coefficient
	Not important Moderately important	-2.82	0.03	-91.71	scale
	Moderately important Important	-1.44	0.02	-71.71	scale
	Important Very important	0.01	0.02	0.53	scale
education	Lower	-0.47	0.02	-19.05	coefficient
	Not important Moderately important	-3.18	0.03	-105.36	scale
	Moderately important Important	-1.80	0.02	-95.89	scale
	Important Very important	-0.34	0.01	-23.36	scale
gender	Man	-0.45	0.03	-17.48	coefficient
	Other/Undisclosed	0.04	0.18	0.22	coefficient
	Not important Moderately important	-3.15	0.03	-105.21	scale
	Moderately important Important	-1.77	0.02	-96.10	scale
	Important Very important	-0.32	0.01	-22.24	scale
healthcare_experience	Yes	0.53	0.02	21.60	coefficient
	Not important Moderately important	-2.83	0.03	-95.61	scale
	Moderately important Important	-1.45	0.02	-79.22	scale
	Important Very important	0.01	0.02	0.66	scale
cognitive_health	Below average	-0.39	0.05	-8.04	coefficient
	Not important Moderately important	-3.03	0.03	-105.28	scale
	Moderately important Important	-1.66	0.02	-99.23	scale
	Important Very important	-0.22	0.01	-17.21	scale
mental_health	Below average	-0.01	0.03	-0.22	coefficient
	Not important Moderately important	-3.01	0.03	-103.92	scale
	Moderately important Important	-1.64	0.02	-96.26	scale
	Important Very important	-0.19	0.01	-14.94	scale
illness_experience	Yes	0.02	0.02	0.86	coefficient
	Not important Moderately important	-3.00	0.03	-99.59	scale
	Moderately important Important	-1.63	0.02	-86.01	scale
	Important Very important	-0.18	0.02	-11.95	scale
brain_disease_caregiver	Yes	0.17	0.02	7.15	coefficient
	Not important Moderately important	-2.93	0.03	-96.53	scale
	Moderately important Important	-1.56	0.02	-80.16	scale
	Important Very important	-0.11	0.02	-7.05	scale
	Yes	0.02	0.02	0.83	coefficient
	Not important Moderately important	-3.00	0.03	-98.90	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-1.63	0.02	-84.53	scale
	Important Very important	-0.18	0.02	-11.65	scale
	Stable	0.04	0.02	1.75	coefficient
relationship	Not important Moderately important	-2.98	0.03	-95.12	scale
	Moderately important Important	-1.61	0.02	-77.15	scale
	Important Very important	-0.17	0.02	-9.51	scale

## 2.3.2 Question 2: ordinal - Childhood

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.42	0.03	14.35	coefficient
	<= 40	0.75	0.04	17.90	coefficient
	Not important Moderately important	-4.83	0.08	-62.21	scale
	Moderately important Important	-2.68	0.03	-89.23	scale
	Important Very important	-0.67	0.02	-35.65	scale
education	Lower	-0.40	0.03	-14.12	coefficient
	Not important Moderately important	-5.21	0.08	-67.28	scale
	Moderately important Important	-3.07	0.03	-104.07	scale
	Important Very important	-1.06	0.02	-63.85	scale
gender	Man	-0.30	0.03	-10.27	coefficient
	Other/Undisclosed	0.26	0.22	1.18	coefficient
	Not important Moderately important	-5.16	0.08	-66.77	scale
	Moderately important Important	-3.02	0.03	-103.70	scale
	Important Very important	-1.02	0.02	-62.99	scale
healthcare_experience	Yes	0.40	0.03	14.30	coefficient
	Not important Moderately important	-4.93	0.08	-63.89	scale
	Moderately important Important	-2.79	0.03	-96.22	scale
	Important Very important	-0.78	0.02	-47.14	scale
cognitive_health	Below average	-0.34	0.05	-6.48	coefficient
	Not important Moderately important	-5.09	0.08	-66.32	scale
	Moderately important Important	-2.95	0.03	-106.19	scale
	Important Very important	-0.95	0.01	-68.57	scale
mental_health	Below average	0.13	0.04	3.18	coefficient
	Not important Moderately important	-5.05	0.08	-65.76	scale
	Moderately important Important	-2.91	0.03	-104.24	scale
	Important Very important	-0.91	0.01	-63.83	scale
illness_experience	Yes	0.01	0.03	0.38	coefficient
	Not important Moderately important	-5.07	0.08	-65.39	scale
	Moderately important Important	-2.92	0.03	-98.86	scale
	Important Very important	-0.93	0.02	-53.62	scale
brain_disease_caregiver	Yes	-0.02	0.03	-0.88	coefficient
	Not important Moderately important	-5.08	0.08	-65.38	scale
	Moderately important Important	-2.94	0.03	-97.21	scale
	Important Very important	-0.94	0.02	-51.38	scale
	Yes	-0.08	0.03	-2.96	coefficient
	Not important Moderately important	-5.11	0.08	-65.76	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-2.96	0.03	-98.75	scale
	Important Very important	-0.96	0.02	-53.99	scale
	Stable	-0.05	0.03	-2.04	coefficient
relationship	Not important Moderately important	-5.10	0.08	-65.22	scale
	Moderately important Important	-2.96	0.03	-94.07	scale
	Important Very important	-0.96	0.02	-47.50	scale

## 2.3.3 Question 2: ordinal - Adolescence

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.38	0.03	13.32	coefficient
	<= 40	0.66	0.04	16.26	coefficient
	Not important Moderately important	-5.56	0.11	-50.61	scale
	Moderately important Important	-3.12	0.04	-88.13	scale
	Important Very important	-0.62	0.02	-33.11	scale
education	Lower	-0.23	0.03	-8.34	coefficient
	Not important Moderately important	-5.86	0.11	-53.44	scale
	Moderately important Important	-3.42	0.03	-98.66	scale
	Important Very important	-0.93	0.02	-57.62	scale
gender	Man	-0.34	0.03	-12.01	coefficient
	Other/Undisclosed	0.31	0.22	1.43	coefficient
	Not important Moderately important	-5.89	0.11	-53.71	scale
	Moderately important Important	-3.45	0.03	-99.56	scale
	Important Very important	-0.95	0.02	-59.87	scale
healthcare_experience	Yes	0.35	0.03	12.77	coefficient
	Not important Moderately important	-5.66	0.11	-51.65	scale
	Moderately important Important	-3.22	0.03	-93.38	scale
	Important Very important	-0.72	0.02	-44.12	scale
cognitive_health	Below average	-0.27	0.05	-4.99	coefficient
	Not important Moderately important	-5.80	0.11	-53.05	scale
	Moderately important Important	-3.36	0.03	-100.36	scale
	Important Very important	-0.87	0.01	-63.84	scale
mental_health	Below average	0.12	0.04	3.07	coefficient
	Not important Moderately important	-5.77	0.11	-52.75	scale
	Moderately important Important	-3.33	0.03	-99.00	scale
	Important Very important	-0.84	0.01	-59.49	scale
illness_experience	Yes	0.04	0.03	1.55	coefficient
	Not important Moderately important	-5.77	0.11	-52.56	scale
	Moderately important Important	-3.33	0.03	-95.27	scale
	Important Very important	-0.84	0.02	-49.34	scale
brain_disease_caregiver	Yes	0.02	0.03	0.64	coefficient
	Not important Moderately important	-5.78	0.11	-52.55	scale
	Moderately important Important	-3.34	0.04	-94.16	scale
	Important Very important	-0.85	0.02	-47.15	scale
	Yes	0.01	0.03	0.30	coefficient
	Not important Moderately important	-5.78	0.11	-52.62	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-3.34	0.04	-94.96	scale
	Important Very important	-0.85	0.02	-48.79	scale
	Stable	-0.10	0.03	-3.76	coefficient
relationship	Not important Moderately important	-5.84	0.11	-52.95	scale
	Moderately important Important	-3.40	0.04	-92.85	scale
	Important Very important	-0.91	0.02	-45.45	scale

## 2.3.4 Question 2: ordinal - Young adulthood

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.24	0.03	8.95	coefficient
	<= 40	0.26	0.04	7.35	coefficient
	Not important Moderately important	-6.22	0.14	-42.98	scale
	Moderately important Important	-2.91	0.03	-92.86	scale
	Important Very important	-0.25	0.02	-14.00	scale
education	Lower	-0.05	0.03	-2.10	coefficient
	Not important Moderately important	-6.36	0.14	-43.98	scale
	Moderately important Important	-3.05	0.03	-101.48	scale
	Important Very important	-0.40	0.01	-26.85	scale
gender	Man	-0.41	0.03	-15.28	coefficient
	Other/Undisclosed	-0.11	0.18	-0.59	coefficient
	Not important Moderately important	-6.48	0.14	-44.75	scale
	Moderately important Important	-3.17	0.03	-104.40	scale
	Important Very important	-0.50	0.01	-33.93	scale
healthcare_experience	Yes	0.32	0.03	12.52	coefficient
	Not important Moderately important	-6.23	0.14	-43.09	scale
	Moderately important Important	-2.92	0.03	-97.06	scale
	Important Very important	-0.26	0.02	-16.82	scale
cognitive_health	Below average	-0.15	0.05	-3.02	coefficient
	Not important Moderately important	-6.36	0.14	-43.98	scale
	Moderately important Important	-3.05	0.03	-104.72	scale
	Important Very important	-0.39	0.01	-30.73	scale
mental_health	Below average	-0.01	0.04	-0.21	coefficient
	Not important Moderately important	-6.35	0.14	-43.91	scale
	Moderately important Important	-3.04	0.03	-103.73	scale
	Important Very important	-0.38	0.01	-28.96	scale
illness_experience	Yes	0.11	0.02	4.58	coefficient
	Not important Moderately important	-6.30	0.14	-43.53	scale
	Moderately important Important	-2.99	0.03	-98.31	scale
	Important Very important	-0.34	0.02	-21.24	scale
brain_disease_caregiver	Yes	0.18	0.02	7.39	coefficient
	Not important Moderately important	-6.27	0.14	-43.26	scale
	Moderately important Important	-2.96	0.03	-96.03	scale
	Important Very important	-0.30	0.02	-17.92	scale
	Yes	0.08	0.02	3.25	coefficient
	Not important Moderately important	-6.31	0.14	-43.58	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-3.00	0.03	-97.93	scale
	Important Very important	-0.35	0.02	-21.42	scale
	Stable	-0.03	0.02	-1.05	coefficient
relationship	Not important Moderately important	-6.33	0.14	-44.12	scale
	Moderately important Important	-3.05	0.03	-95.27	scale
	Important Very important	-0.39	0.02	-21.42	scale

## 2.3.5 Question 2: ordinal - Middle age

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.35	0.03	12.69	coefficient
	<= 40	-0.01	0.04	-0.32	coefficient
	Not important Moderately important	-6.23	0.14	-43.01	scale
	Moderately important Important	-3.02	0.03	-92.29	scale
	Important Very important	-0.46	0.02	-25.37	scale
education	Lower	-0.04	0.03	-1.47	coefficient
	Not important Moderately important	-6.35	0.14	-44.05	scale
	Moderately important Important	-3.15	0.03	-100.25	scale
	Important Very important	-0.60	0.02	-39.50	scale
gender	Man	-0.54	0.03	-19.76	coefficient
	Other/Undisclosed	-0.45	0.18	-2.45	coefficient
	Not important Moderately important	-6.50	0.14	-45.45	scale
	Moderately important Important	-3.32	0.03	-104.16	scale
	Important Very important	-0.75	0.02	-49.01	scale
healthcare_experience	Yes	0.23	0.03	8.82	coefficient
	Not important Moderately important	-6.26	0.14	-43.29	scale
	Moderately important Important	-3.05	0.03	-96.76	scale
	Important Very important	-0.50	0.02	-31.56	scale
cognitive_health	Below average	-0.15	0.05	-2.97	coefficient
	Not important Moderately important	-6.36	0.14	-43.99	scale
	Moderately important Important	-3.15	0.03	-103.43	scale
	Important Very important	-0.60	0.01	-45.89	scale
mental_health	Below average	-0.06	0.04	-1.57	coefficient
	Not important Moderately important	-6.34	0.14	-44.15	scale
	Moderately important Important	-3.14	0.03	-102.64	scale
	Important Very important	-0.59	0.01	-44.03	scale
illness_experience	Yes	0.06	0.03	2.42	coefficient
	Not important Moderately important	-6.32	0.14	-43.79	scale
	Moderately important Important	-3.11	0.03	-97.73	scale
	Important Very important	-0.56	0.02	-34.71	scale
brain_disease_caregiver	Yes	0.32	0.03	12.90	coefficient
	Not important Moderately important	-6.21	0.14	-42.99	scale
	Moderately important Important	-3.00	0.03	-93.80	scale
	Important Very important	-0.44	0.02	-26.08	scale
	Yes	0.11	0.03	4.50	coefficient
	Not important Moderately important	-6.30	0.14	-43.49	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-3.09	0.03	-96.61	scale
	Important Very important	-0.54	0.02	-32.58	scale
	Stable	0.06	0.03	2.28	coefficient
relationship	Not important Moderately important	-6.32	0.15	-43.43	scale
	Moderately important Important	-3.10	0.03	-93.44	scale
	Important Very important	-0.56	0.02	-29.55	scale

## 2.3.6 Question 2: ordinal - Old age

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.02	0.03	0.73	coefficient
	<= 40	-0.30	0.04	-7.86	coefficient
	Not important Moderately important	-5.63	0.10	-56.36	scale
	Moderately important Important	-3.21	0.03	-94.19	scale
	Important Very important	-1.02	0.02	-51.00	scale
education	Lower	-0.14	0.03	-4.92	coefficient
	Not important Moderately important	-5.63	0.10	-56.74	scale
	Moderately important Important	-3.21	0.03	-100.08	scale
	Important Very important	-1.03	0.02	-62.27	scale
gender	Man	-0.41	0.03	-14.21	coefficient
	Other/Undisclosed	-0.50	0.19	-2.67	coefficient
	Not important Moderately important	-5.72	0.10	-57.62	scale
	Moderately important Important	-3.30	0.03	-102.30	scale
	Important Very important	-1.11	0.02	-67.19	scale
healthcare_experience	Yes	0.13	0.03	4.73	coefficient
	Not important Moderately important	-5.53	0.10	-55.76	scale
	Moderately important Important	-3.11	0.03	-96.61	scale
	Important Very important	-0.93	0.02	-54.50	scale
cognitive_health	Below average	-0.15	0.06	-2.77	coefficient
	Not important Moderately important	-5.59	0.10	-56.60	scale
	Moderately important Important	-3.17	0.03	-103.01	scale
	Important Very important	-0.99	0.01	-70.78	scale
mental_health	Below average	-0.11	0.04	-2.83	coefficient
	Not important Moderately important	-5.60	0.10	-56.61	scale
	Moderately important Important	-3.18	0.03	-102.29	scale
	Important Very important	-1.00	0.01	-68.38	scale
illness_experience	Yes	0.04	0.03	1.47	coefficient
	Not important Moderately important	-5.57	0.10	-56.04	scale
	Moderately important Important	-3.15	0.03	-96.92	scale
	Important Very important	-0.97	0.02	-55.33	scale
brain_disease_caregiver	Yes	0.26	0.03	9.43	coefficient
	Not important Moderately important	-5.47	0.10	-55.05	scale
	Moderately important Important	-3.05	0.03	-93.46	scale
	Important Very important	-0.87	0.02	-48.00	scale
	Yes	0.19	0.03	6.92	coefficient
	Not important Moderately important	-5.50	0.10	-55.42	scale

*(continued)*

fct	term	estimate	std.error	statistic	coef.type
brain_research_participation	Moderately important Important	-3.08	0.03	-94.99	scale
	Important Very important	-0.90	0.02	-51.13	scale
	Stable	0.08	0.03	2.82	coefficient
relationship	Not important Moderately important	-5.54	0.10	-55.50	scale
	Moderately important Important	-3.12	0.03	-91.85	scale
	Important Very important	-0.94	0.02	-46.55	scale

## 2.4 Comparison binary and continuous model results

### 2.4.1 Question 2: bin\_vs\_cont - In the womb

fct	term	Binary				Continuous				
		log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
brain_research_participation	Yes	-0.03	0.03	-1.05	0.29	Yes	0	0.01	0.42	0.67

### 2.4.2 Question 2: bin\_vs\_cont - Childhood

fct	term	Binary				Continuous				
		log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
gender	Other/Undisclosed	-0.12	0.42	-0.28	0.78	Other/Undisclosed	0.04	0.05	0.80	0.42
mental_health	Below average	-0.04	0.08	-0.46	0.65	Below average	0.02	0.01	2.17	0.03
brain_disease_caregiver	Yes	0.02	0.06	0.29	0.77	Yes	0.00	0.01	-0.41	0.68

### 2.4.3 Question 2: bin\_vs\_cont - Adolescence

fct	term	Binary				Continuous				
		log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
gender	Other/Undisclosed	-0.29	0.46	-0.64	0.52	Other/Undisclosed	0.05	0.05	0.94	0.35
mental_health	Below average	-0.11	0.09	-1.16	0.25	Below average	0.02	0.01	2.32	0.02
illness_experience	Yes	-0.01	0.07	-0.12	0.91	Yes	0.01	0.01	1.19	0.24
brain_disease_caregiver	Yes	0.00	0.07	-0.02	0.98	Yes	0.00	0.01	0.66	0.51
brain_research_participation	Yes	-0.05	0.07	-0.68	0.50	Yes	0.00	0.01	0.09	0.93

### 2.4.4 Question 2: bin\_vs\_cont - Young adulthood

fct	term	Binary				Continuous				
		log_odds	std.error	statistic	p.value	term	beta	std.error	statistic	p.value
education	Lower	0.05	0.06	0.86	0.39	Lower	-0.01	0.01	-1.85	0.06
brain_research_participation	Yes	-0.04	0.06	-0.77	0.44	Yes	0.02	0.01	2.78	0.01
relationship	Stable	0.07	0.06	1.19	0.23	Stable	0.00	0.01	-0.67	0.51

### 3 Question 3

#### 3.1 Binary models

## 3.1.1 Question 3: binary - Alzheimer's

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.97	0.11	46.45	0.00
age	41-60	0.08	0.16	0.47	0.64
	<= 40	-1.06	0.15	-6.97	0.00
education	(Intercept)	5.02	0.09	55.72	0.00
	Lower	-0.74	0.13	-5.72	0.00
gender	(Intercept)	5.07	0.09	55.85	0.00
	Man	-0.91	0.13	-7.05	0.00
	Other/Undisclosed	12.49	352.44	0.04	0.97
healthcare_experience	(Intercept)	4.47	0.07	61.46	0.00
	Yes	0.86	0.16	5.45	0.00
cognitive_health	(Intercept)	4.75	0.07	70.47	0.00
	Below average	-0.35	0.23	-1.48	0.14
mental_health	(Intercept)	4.80	0.07	66.87	0.00
	Below average	-0.44	0.16	-2.69	0.01
illness_experience	(Intercept)	4.89	0.09	53.86	0.00
	Yes	-0.38	0.13	-2.91	0.00
brain_disease_caregiver	(Intercept)	4.41	0.08	58.21	0.00
	Yes	0.85	0.14	5.86	0.00
brain_research_participation	(Intercept)	4.46	0.08	59.30	0.00
	Yes	0.78	0.15	5.29	0.00
relationship	(Intercept)	4.42	0.08	52.85	0.00
	Stable	0.65	0.13	4.90	0.00

## 3.1.2 Question 3: binary - Schizophrenia

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.98	0.04	72.17	0.00
age	41-60	0.38	0.07	5.62	0.00
	<= 40	0.29	0.09	3.28	0.00
education	(Intercept)	3.33	0.04	83.62	0.00
	Lower	-0.48	0.06	-7.79	0.00
gender	(Intercept)	3.30	0.04	85.53	0.00
	Man	-0.45	0.06	-7.11	0.00
	Other/Undisclosed	-0.31	0.42	-0.73	0.47
healthcare_experience	(Intercept)	3.01	0.04	82.83	0.00
	Yes	0.42	0.07	6.33	0.00
cognitive_health	(Intercept)	3.21	0.03	99.65	0.00
	Below average	-0.74	0.10	-7.54	0.00
mental_health	(Intercept)	3.15	0.03	96.65	0.00
	Below average	0.00	0.09	0.03	0.97
illness_experience	(Intercept)	3.22	0.04	79.23	0.00
	Yes	-0.17	0.06	-2.74	0.01
brain_disease_caregiver	(Intercept)	3.06	0.04	76.83	0.00
	Yes	0.22	0.06	3.58	0.00
brain_research_participation	(Intercept)	3.02	0.04	79.51	0.00
	Yes	0.33	0.06	5.23	0.00
relationship	(Intercept)	3.18	0.05	68.62	0.00
	Stable	-0.04	0.06	-0.69	0.49

## 3.1.3 Question 3: binary - Depression

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.79	0.04	73.54	0.00
age	41-60	0.42	0.06	6.55	0.00
	<= 40	0.26	0.08	3.15	0.00
education	(Intercept)	3.08	0.04	86.76	0.00
	Lower	-0.33	0.06	-5.67	0.00
gender	(Intercept)	3.08	0.03	88.33	0.00
	Man	-0.36	0.06	-6.21	0.00
	Other/Undisclosed	0.10	0.46	0.23	0.82
healthcare_experience	(Intercept)	2.85	0.03	84.24	0.00
	Yes	0.32	0.06	5.38	0.00
cognitive_health	(Intercept)	2.99	0.03	102.71	0.00
	Below average	-0.31	0.10	-2.94	0.00
mental_health	(Intercept)	2.93	0.03	99.39	0.00
	Below average	0.34	0.09	3.63	0.00
illness_experience	(Intercept)	2.97	0.04	81.99	0.00
	Yes	0.00	0.06	-0.02	0.99
brain_disease_caregiver	(Intercept)	2.87	0.04	78.49	0.00
	Yes	0.23	0.06	4.04	0.00
brain_research_participation	(Intercept)	2.84	0.04	81.08	0.00
	Yes	0.32	0.06	5.49	0.00
relationship	(Intercept)	2.98	0.04	70.44	0.00
	Stable	-0.02	0.06	-0.30	0.76

## 3.1.4 Question 3: binary - Bipolar

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.08	0.03	73.75	0.00
age	41-60	0.78	0.05	15.01	0.00
	<= 40	0.64	0.07	9.40	0.00
education	(Intercept)	2.76	0.03	89.77	0.00
	Lower	-0.86	0.04	-19.41	0.00
gender	(Intercept)	2.68	0.03	91.92	0.00
	Man	-0.75	0.04	-16.70	0.00
	Other/Undisclosed	0.01	0.37	0.03	0.98
healthcare_experience	(Intercept)	2.19	0.03	85.72	0.00
	Yes	0.70	0.05	13.78	0.00
cognitive_health	(Intercept)	2.45	0.02	106.57	0.00
	Below average	-0.49	0.08	-6.29	0.00
mental_health	(Intercept)	2.39	0.02	102.47	0.00
	Below average	0.25	0.07	3.60	0.00
illness_experience	(Intercept)	2.42	0.03	84.89	0.00
	Yes	-0.01	0.04	-0.29	0.77
brain_disease_caregiver	(Intercept)	2.25	0.03	80.16	0.00
	Yes	0.41	0.05	8.97	0.00
brain_research_participation	(Intercept)	2.26	0.03	82.64	0.00
	Yes	0.41	0.05	8.96	0.00
relationship	(Intercept)	2.52	0.03	72.89	0.00
	Stable	-0.18	0.04	-3.92	0.00

## 3.1.5 Question 3: binary - Anxiety

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.09	0.03	73.83	0.00
age	41-60	0.43	0.05	9.24	0.00
	<= 40	0.37	0.06	5.91	0.00
education	(Intercept)	2.39	0.03	91.09	0.00
	Lower	-0.29	0.04	-6.68	0.00
gender	(Intercept)	2.36	0.03	92.74	0.00
	Man	-0.23	0.04	-5.17	0.00
	Other/Undisclosed	0.63	0.42	1.51	0.13
healthcare_experience	(Intercept)	2.22	0.03	85.81	0.00
	Yes	0.22	0.04	5.02	0.00
cognitive_health	(Intercept)	2.31	0.02	106.50	0.00
	Below average	-0.19	0.08	-2.35	0.02
mental_health	(Intercept)	2.25	0.02	102.17	0.00
	Below average	0.41	0.07	5.85	0.00
illness_experience	(Intercept)	2.27	0.03	84.71	0.00
	Yes	0.07	0.04	1.63	0.10
brain_disease_caregiver	(Intercept)	2.21	0.03	80.03	0.00
	Yes	0.19	0.04	4.55	0.00
brain_research_participation	(Intercept)	2.18	0.03	82.34	0.00
	Yes	0.28	0.04	6.49	0.00
relationship	(Intercept)	2.30	0.03	72.91	0.00
	Stable	0.00	0.04	0.00	1.00

## 3.1.6 Question 3: binary - Addiction

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.86	0.03	71.70	0.00
age	41-60	0.31	0.04	7.54	0.00
	<= 40	0.41	0.06	7.06	0.00
education	(Intercept)	2.20	0.02	90.62	0.00
	Lower	-0.47	0.04	-12.10	0.00
gender	(Intercept)	2.20	0.02	92.28	0.00
	Man	-0.51	0.04	-12.94	0.00
	Other/Undisclosed	0.05	0.30	0.17	0.86
healthcare_experience	(Intercept)	1.81	0.02	81.89	0.00
	Yes	0.68	0.04	15.89	0.00
cognitive_health	(Intercept)	2.06	0.02	104.94	0.00
	Below average	-0.38	0.07	-5.35	0.00
mental_health	(Intercept)	2.02	0.02	100.44	0.00
	Below average	0.11	0.06	1.99	0.05
illness_experience	(Intercept)	2.02	0.02	83.23	0.00
	Yes	0.03	0.04	0.76	0.45
brain_disease_caregiver	(Intercept)	1.93	0.02	77.93	0.00
	Yes	0.23	0.04	6.04	0.00
brain_research_participation	(Intercept)	1.93	0.02	80.24	0.00
	Yes	0.26	0.04	6.82	0.00
relationship	(Intercept)	2.11	0.03	72.19	0.00
	Stable	-0.13	0.04	-3.46	0.00

## 3.1.7 Question 3: binary - Stroke

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.97	0.03	72.84	0.00
age	41-60	0.15	0.04	3.60	0.00
	<= 40	-0.27	0.05	-5.49	0.00
education	(Intercept)	2.02	0.02	89.24	0.00
	Lower	-0.14	0.04	-3.60	0.00
gender	(Intercept)	2.19	0.02	92.21	0.00
	Man	-0.64	0.04	-16.91	0.00
	Other/Undisclosed	-0.02	0.29	-0.08	0.93
healthcare_experience	(Intercept)	1.70	0.02	79.82	0.00
	Yes	0.89	0.04	20.45	0.00
cognitive_health	(Intercept)	1.98	0.02	104.04	0.00
	Below average	-0.20	0.07	-2.69	0.01
mental_health	(Intercept)	1.98	0.02	100.01	0.00
	Below average	-0.09	0.05	-1.71	0.09
illness_experience	(Intercept)	1.88	0.02	81.56	0.00
	Yes	0.25	0.04	6.56	0.00
brain_disease_caregiver	(Intercept)	1.77	0.02	75.70	0.00
	Yes	0.48	0.04	12.70	0.00
brain_research_participation	(Intercept)	1.88	0.02	79.61	0.00
	Yes	0.23	0.04	6.17	0.00
relationship	(Intercept)	1.88	0.03	70.25	0.00
	Stable	0.16	0.04	4.31	0.00

## 3.1.8 Question 3: binary - Parkinson's

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.82	0.03	71.15	0.00
age	41-60	0.12	0.04	3.13	0.00
	<= 40	-0.22	0.05	-4.62	0.00
education	(Intercept)	1.99	0.02	88.93	0.00
	Lower	-0.46	0.04	-12.87	0.00
gender	(Intercept)	1.89	0.02	89.32	0.00
	Man	-0.21	0.04	-5.63	0.00
	Other/Undisclosed	-0.16	0.25	-0.64	0.52
healthcare_experience	(Intercept)	1.59	0.02	77.61	0.00
	Yes	0.72	0.04	18.08	0.00
cognitive_health	(Intercept)	1.84	0.02	101.83	0.00
	Below average	-0.26	0.07	-3.84	0.00
mental_health	(Intercept)	1.85	0.02	98.00	0.00
	Below average	-0.17	0.05	-3.47	0.00
illness_experience	(Intercept)	1.79	0.02	80.32	0.00
	Yes	0.08	0.04	2.33	0.02
brain_disease_caregiver	(Intercept)	1.67	0.02	73.91	0.00
	Yes	0.37	0.04	10.34	0.00
brain_research_participation	(Intercept)	1.69	0.02	76.56	0.00
	Yes	0.35	0.04	9.55	0.00
relationship	(Intercept)	1.73	0.03	68.21	0.00
	Stable	0.17	0.03	4.86	0.00

## 3.1.9 Question 3: binary - Migraine

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.24	0.02	58.41	0.00
age	41-60	0.57	0.04	16.21	0.00
	<= 40	0.78	0.05	15.24	0.00
education	(Intercept)	1.68	0.02	83.96	0.00
	Lower	-0.38	0.03	-11.48	0.00
gender	(Intercept)	1.62	0.02	84.32	0.00
	Man	-0.25	0.03	-7.46	0.00
	Other/Undisclosed	0.04	0.24	0.18	0.86
healthcare_experience	(Intercept)	1.36	0.02	71.15	0.00
	Yes	0.56	0.03	16.24	0.00
cognitive_health	(Intercept)	1.57	0.02	95.25	0.00
	Below average	-0.28	0.06	-4.46	0.00
mental_health	(Intercept)	1.55	0.02	90.96	0.00
	Below average	0.02	0.05	0.46	0.65
illness_experience	(Intercept)	1.51	0.02	74.37	0.00
	Yes	0.11	0.03	3.28	0.00
brain_disease_caregiver	(Intercept)	1.44	0.02	68.88	0.00
	Yes	0.23	0.03	7.25	0.00
brain_research_participation	(Intercept)	1.51	0.02	72.60	0.00
	Yes	0.10	0.03	3.06	0.00
relationship	(Intercept)	1.53	0.02	64.47	0.00
	Stable	0.03	0.03	1.07	0.29

## 3.1.10 Question 3: binary - Cancer

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.92	0.02	-46.91	0.00
age	41-60	0.26	0.03	9.11	0.00
	<= 40	0.44	0.04	12.00	0.00
education	(Intercept)	-0.66	0.02	-42.71	0.00
	Lower	-0.31	0.03	-10.70	0.00
gender	(Intercept)	-0.67	0.02	-44.48	0.00
	Man	-0.28	0.03	-9.47	0.00
	Other/Undisclosed	0.15	0.18	0.82	0.41
healthcare_experience	(Intercept)	-0.97	0.02	-56.53	0.00
	Yes	0.56	0.03	21.18	0.00
cognitive_health	(Intercept)	-0.74	0.01	-55.40	0.00
	Below average	-0.19	0.06	-3.45	0.00
mental_health	(Intercept)	-0.76	0.01	-54.68	0.00
	Below average	0.09	0.04	2.29	0.02
illness_experience	(Intercept)	-0.80	0.02	-47.23	0.00
	Yes	0.12	0.03	4.61	0.00
brain_disease_caregiver	(Intercept)	-0.86	0.02	-47.50	0.00
	Yes	0.23	0.03	8.84	0.00
brain_research_participation	(Intercept)	-0.81	0.02	-46.92	0.00
	Yes	0.15	0.03	5.82	0.00
relationship	(Intercept)	-0.75	0.02	-38.60	0.00
	Stable	0.01	0.03	0.24	0.81

## 3.1.11 Question 3: binary - Hypertension

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.66	0.02	-35.09	0.00
age	41-60	-0.12	0.03	-4.33	0.00
	<= 40	-0.42	0.04	-10.84	0.00
education	(Intercept)	-0.69	0.02	-44.50	0.00
	Lower	-0.26	0.03	-9.25	0.00
gender	(Intercept)	-0.67	0.02	-44.65	0.00
	Man	-0.34	0.03	-11.55	0.00
	Other/Undisclosed	0.32	0.18	1.77	0.08
healthcare_experience	(Intercept)	-1.10	0.02	-62.05	0.00
	Yes	0.80	0.03	30.39	0.00
cognitive_health	(Intercept)	-0.76	0.01	-56.94	0.00
	Below average	-0.11	0.06	-1.95	0.05
mental_health	(Intercept)	-0.74	0.01	-53.62	0.00
	Below average	-0.19	0.04	-4.82	0.00
illness_experience	(Intercept)	-0.84	0.02	-49.49	0.00
	Yes	0.18	0.03	7.04	0.00
brain_disease_caregiver	(Intercept)	-0.97	0.02	-52.58	0.00
	Yes	0.42	0.03	16.24	0.00
brain_research_participation	(Intercept)	-0.86	0.02	-48.95	0.00
	Yes	0.20	0.03	7.80	0.00
relationship	(Intercept)	-0.81	0.02	-41.17	0.00
	Stable	0.08	0.03	2.96	0.00

## 3.1.12 Question 3: binary - Diabetes

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-1.71	0.02	-69.58	0.00
age	41-60	0.14	0.04	4.01	0.00
	<= 40	-0.04	0.05	-0.91	0.36
education	(Intercept)	-1.56	0.02	-81.30	0.00
	Lower	-0.36	0.04	-9.50	0.00
gender	(Intercept)	-1.61	0.02	-83.95	0.00
	Man	-0.22	0.04	-5.85	0.00
	Other/Undisclosed	0.53	0.21	2.59	0.01
healthcare_experience	(Intercept)	-2.13	0.02	-85.37	0.00
	Yes	1.00	0.03	29.61	0.00
cognitive_health	(Intercept)	-1.66	0.02	-97.96	0.00
	Below average	-0.02	0.07	-0.27	0.79
mental_health	(Intercept)	-1.64	0.02	-93.62	0.00
	Below average	-0.19	0.05	-3.63	0.00
illness_experience	(Intercept)	-1.76	0.02	-79.82	0.00
	Yes	0.23	0.03	6.82	0.00
brain_disease_caregiver	(Intercept)	-1.85	0.02	-76.95	0.00
	Yes	0.38	0.03	11.36	0.00
brain_research_participation	(Intercept)	-1.75	0.02	-77.66	0.00
	Yes	0.18	0.03	5.48	0.00
relationship	(Intercept)	-1.66	0.02	-67.06	0.00
	Stable	-0.01	0.03	-0.16	0.87

**3.1.13 Question 3: binary - Arthritis**

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-3.05	0.04	-71.56	0.00
age	41-60	0.14	0.06	2.28	0.02
	<= 40	0.01	0.08	0.11	0.91
education	(Intercept)	-2.97	0.03	-87.93	0.00
	Lower	-0.06	0.06	-0.95	0.34
gender	(Intercept)	-2.92	0.03	-90.08	0.00
	Man	-0.29	0.07	-4.29	0.00
	Other/Undisclosed	0.23	0.37	0.62	0.54
healthcare_experience	(Intercept)	-3.34	0.04	-78.93	0.00
	Yes	0.75	0.06	13.23	0.00
cognitive_health	(Intercept)	-3.01	0.03	-102.46	0.00
	Below average	0.29	0.11	2.70	0.01
mental_health	(Intercept)	-2.98	0.03	-98.79	0.00
	Below average	-0.05	0.08	-0.53	0.60
illness_experience	(Intercept)	-3.20	0.04	-79.49	0.00
	Yes	0.47	0.06	8.25	0.00
brain_disease_caregiver	(Intercept)	-3.12	0.04	-76.19	0.00
	Yes	0.26	0.06	4.67	0.00
brain_research_participation	(Intercept)	-3.01	0.04	-79.67	0.00
	Yes	0.04	0.06	0.65	0.52
relationship	(Intercept)	-2.90	0.04	-71.01	0.00
	Stable	-0.16	0.06	-2.84	0.00

# Lifebrain Global Brain Health Survey

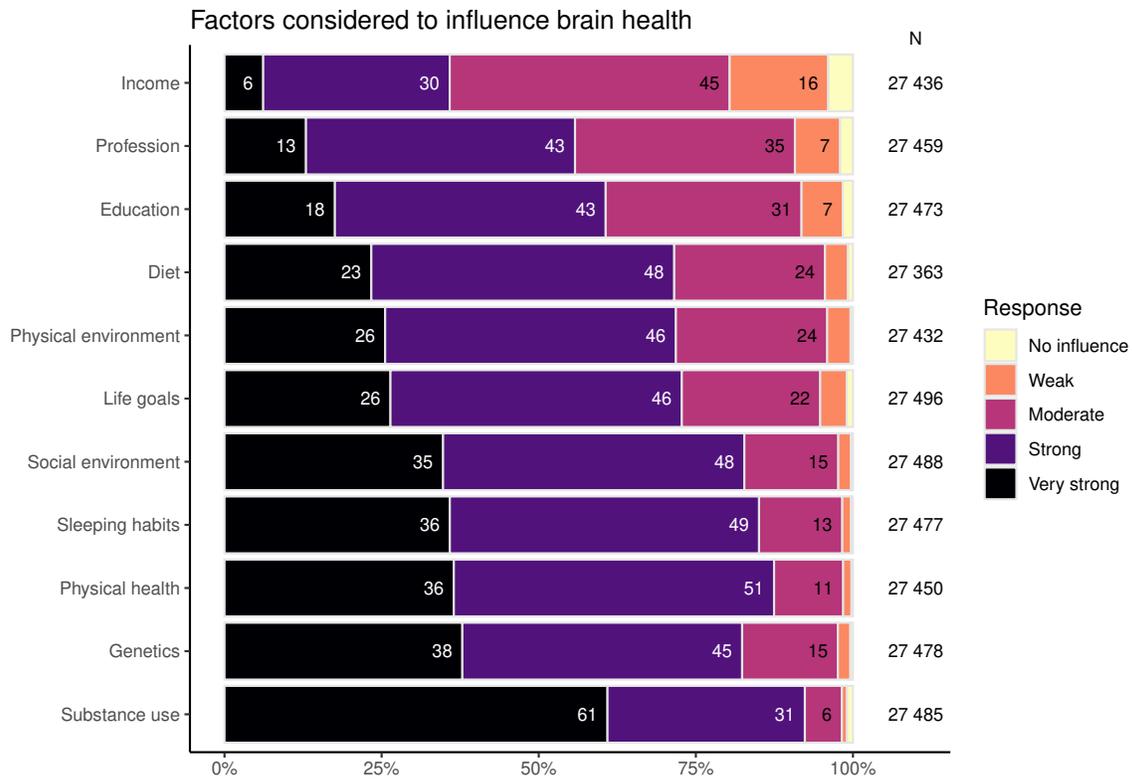
for country: all

## Contents

<b>1</b>	<b>Question 1</b>	<b>2</b>
1.1	Overall . . . . .	2
1.2	Gender . . . . .	3
1.3	Age groups . . . . .	4
1.4	Education . . . . .	5
1.5	Country . . . . .	6
1.6	Health experience/education . . . . .	7
1.7	Cognitive health . . . . .	8
1.8	Mental health . . . . .	9
1.9	Illness . . . . .	10
1.10	Brain disease care . . . . .	11
1.11	Research participation . . . . .	12
<b>2</b>	<b>Question 2</b>	<b>13</b>
2.1	Overall . . . . .	13
2.2	Gender . . . . .	13
2.3	Age groups . . . . .	14
2.4	Education . . . . .	14
2.5	Country . . . . .	15
2.6	Health experience/education . . . . .	16
2.7	Cognitive health . . . . .	17
2.8	Mental health . . . . .	17
2.9	Illness . . . . .	18
2.10	Brain disease care . . . . .	18
2.11	Research participation . . . . .	19
<b>3</b>	<b>Question 3</b>	<b>20</b>
3.1	Overall . . . . .	20
3.2	Gender . . . . .	21
3.3	Age groups . . . . .	22
3.4	Education . . . . .	23
3.5	Country . . . . .	24
3.6	Health care experience/education . . . . .	25
3.7	Cognitive health . . . . .	26
3.8	Mental health . . . . .	27
3.9	Illness . . . . .	28
3.10	Brain disease care . . . . .	29
3.11	Research participation . . . . .	30

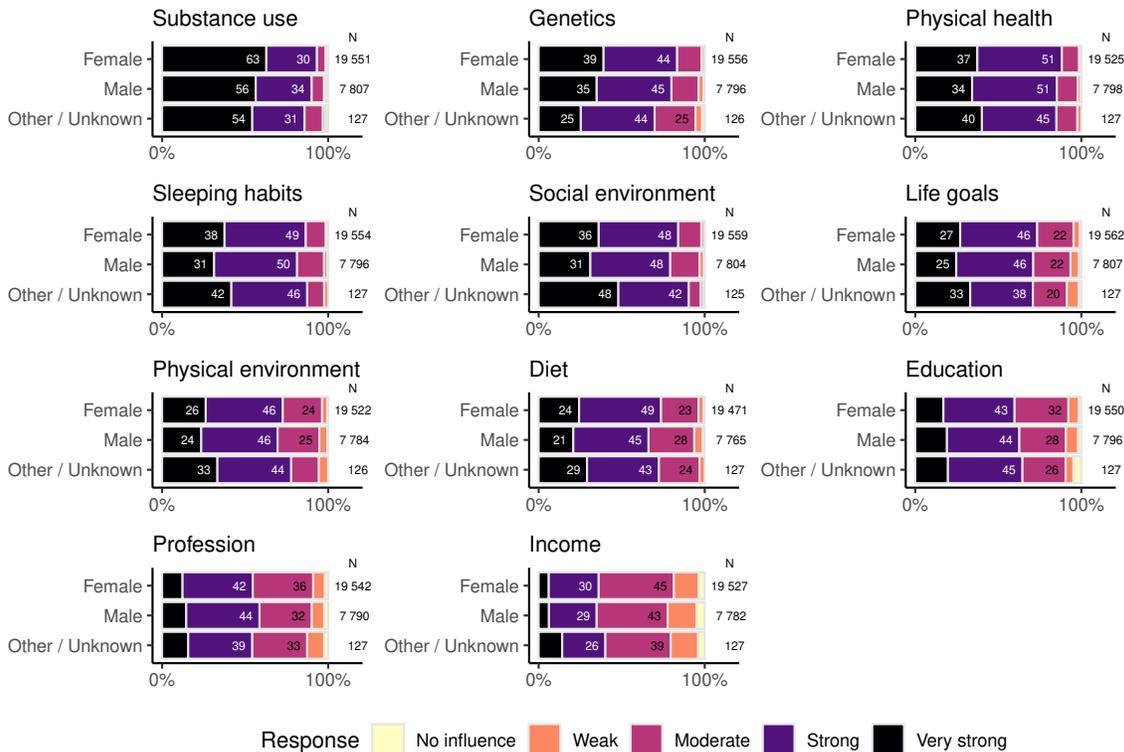
# 1 Question 1

## 1.1 Overall



## 1.2 Gender

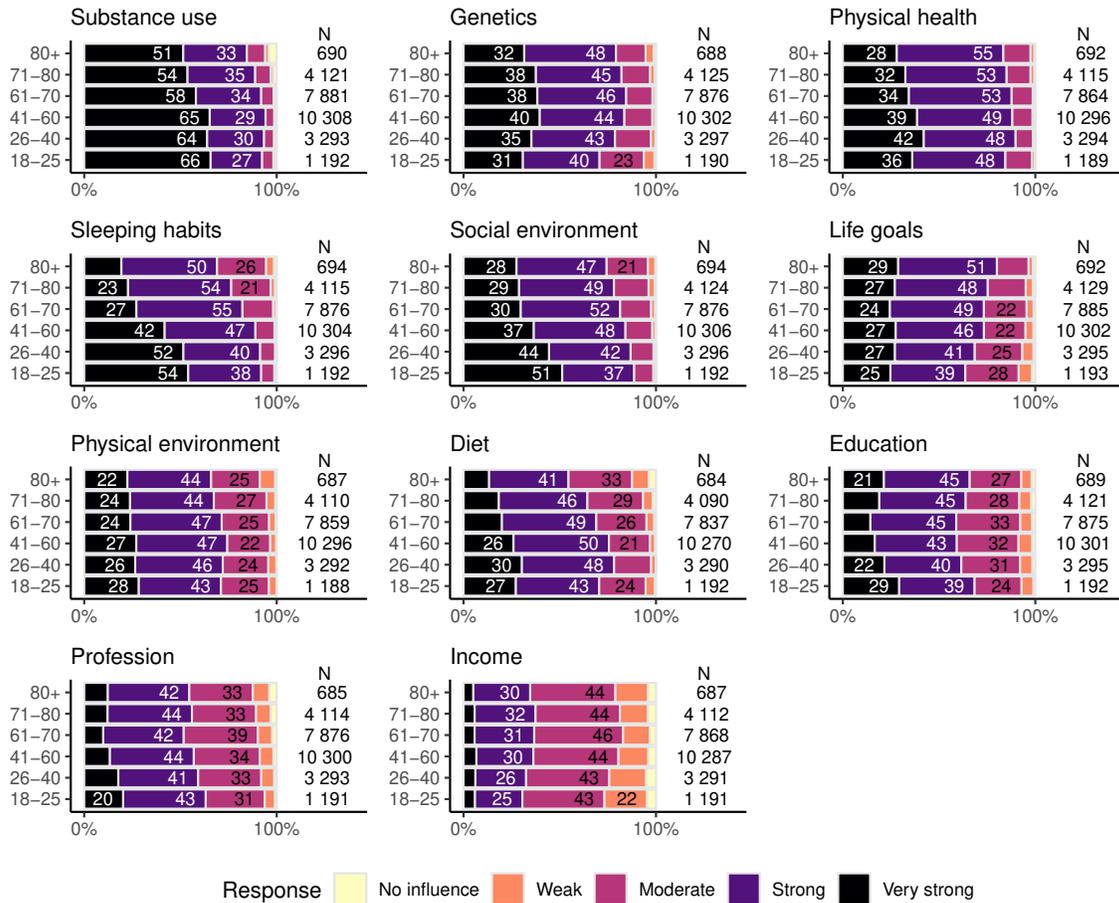
### Factors considered to influence brain health by gender



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by respondent gender. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups. The number of male and female respondents differ between subplots due to missing answers.

### 1.3 Age groups

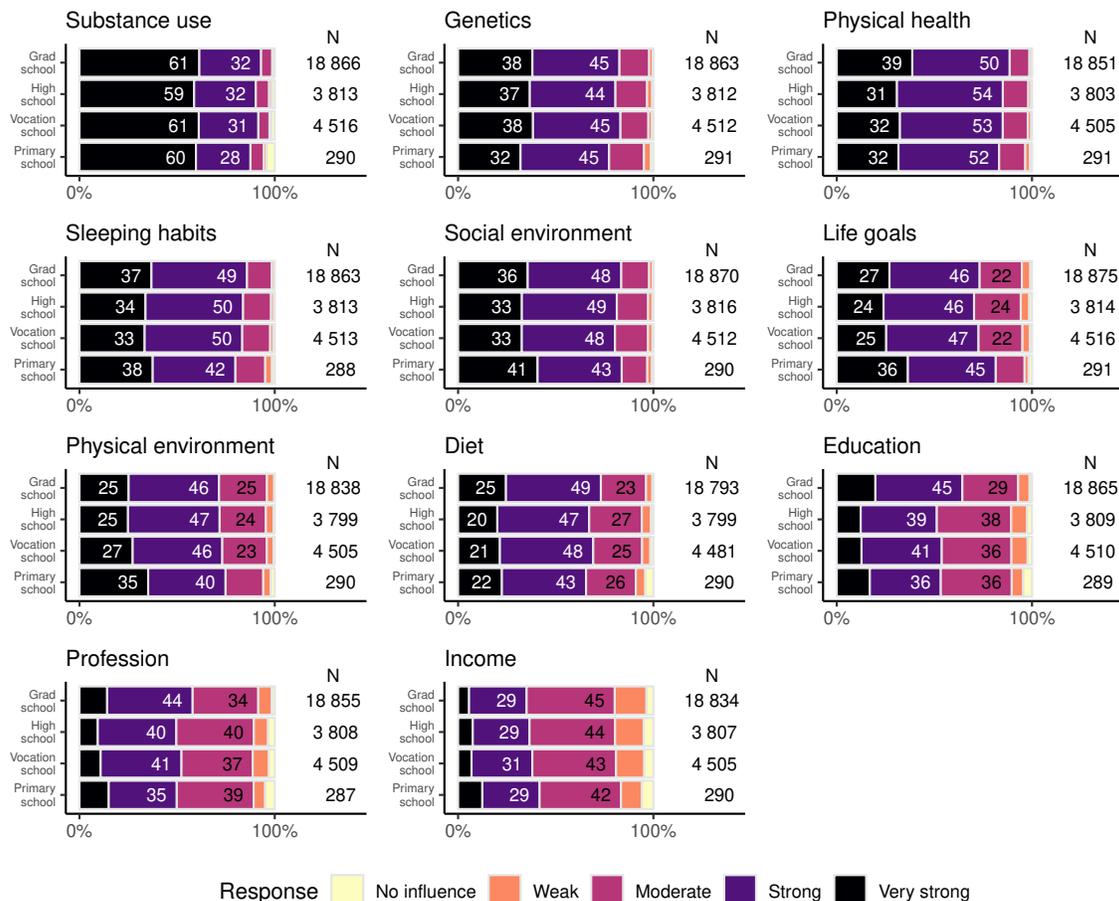
Factors considered to influence brain health  
by age groups



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by respondent age group. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

### 1.4 Education

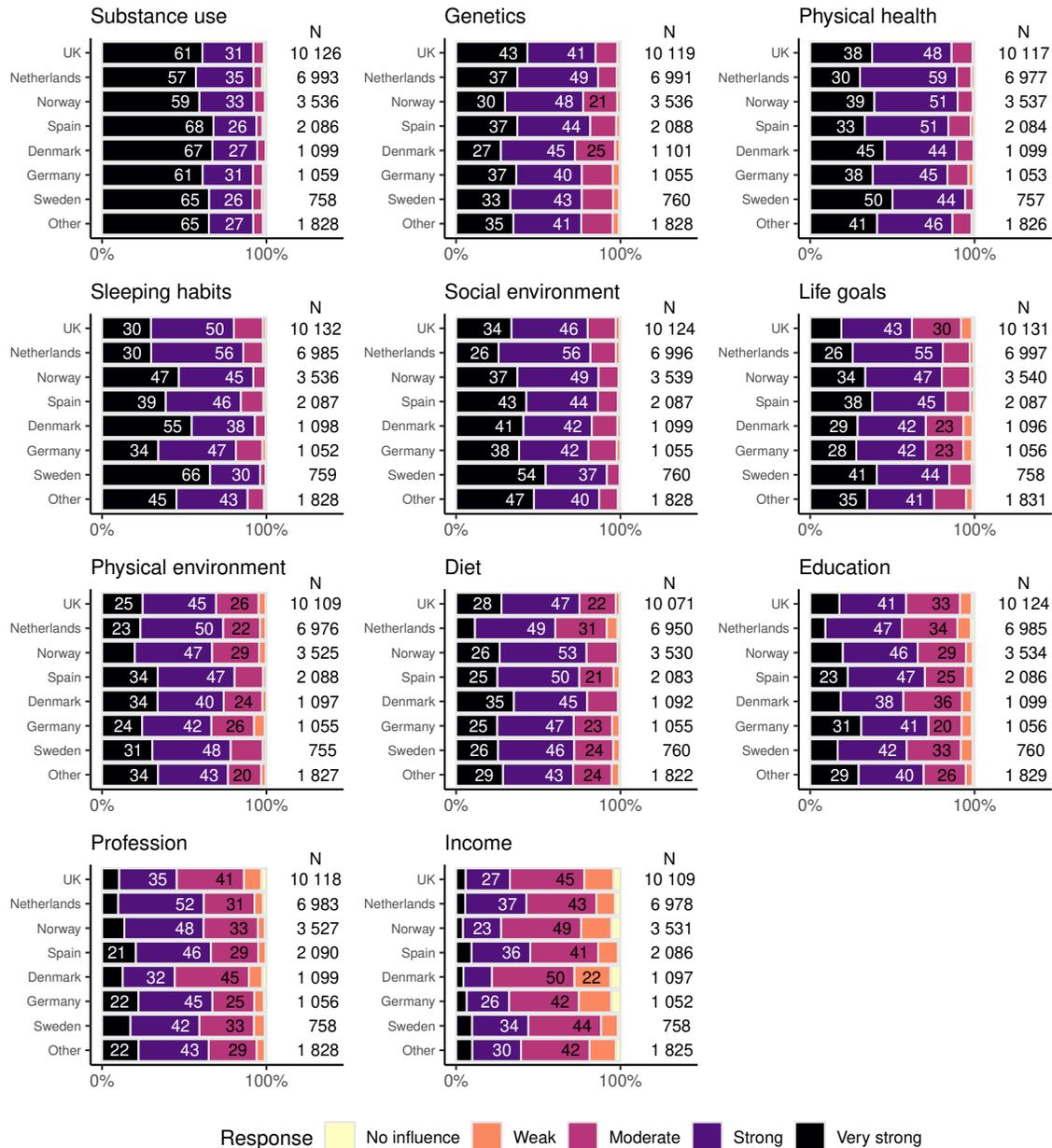
Factors considered to influence brain health by educational level



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by respondent self-reported education level. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

### 1.5 Country

Factors considered to influence brain health  
by country of residence

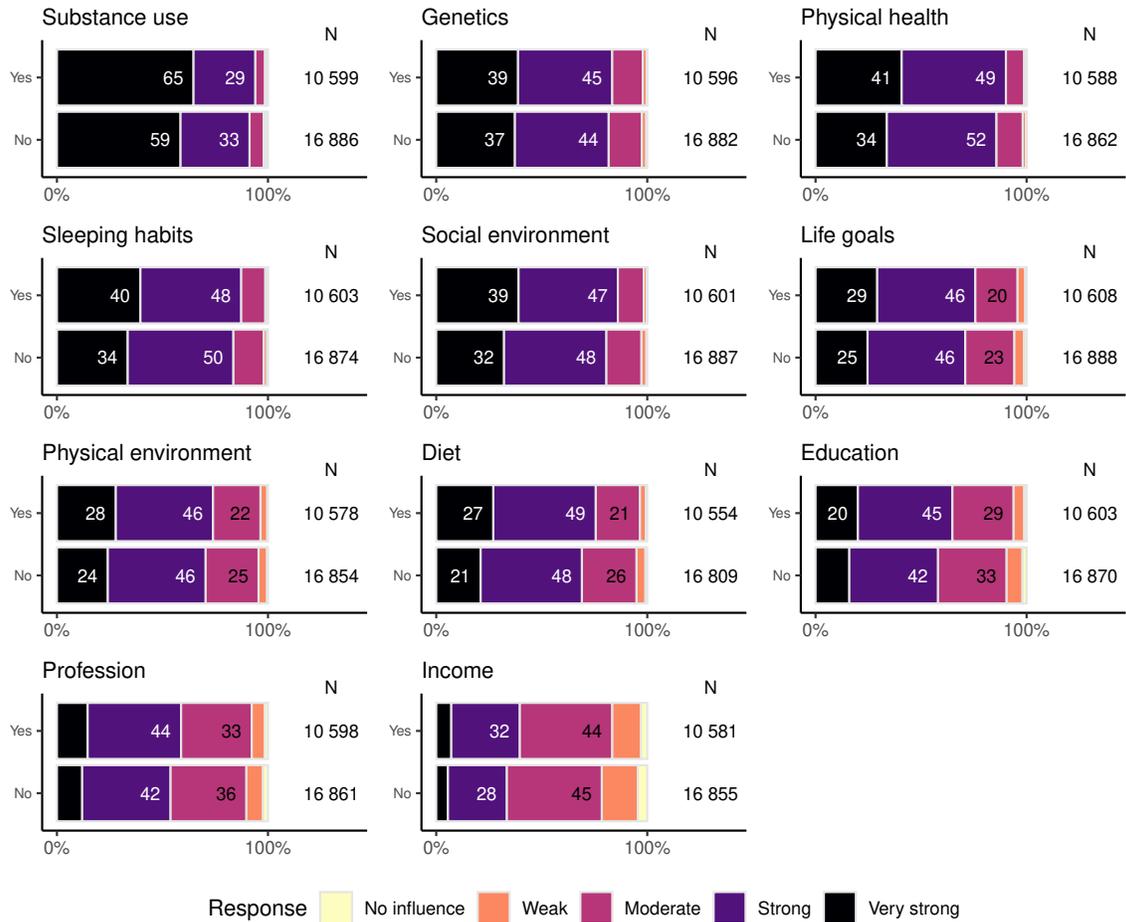


Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by respondent self-reported country of residence, showing the 7 with the most responses while all other countries are represented in 'Other'. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

### 1.6 Health experience/education

#### Factors considered to influence brain health

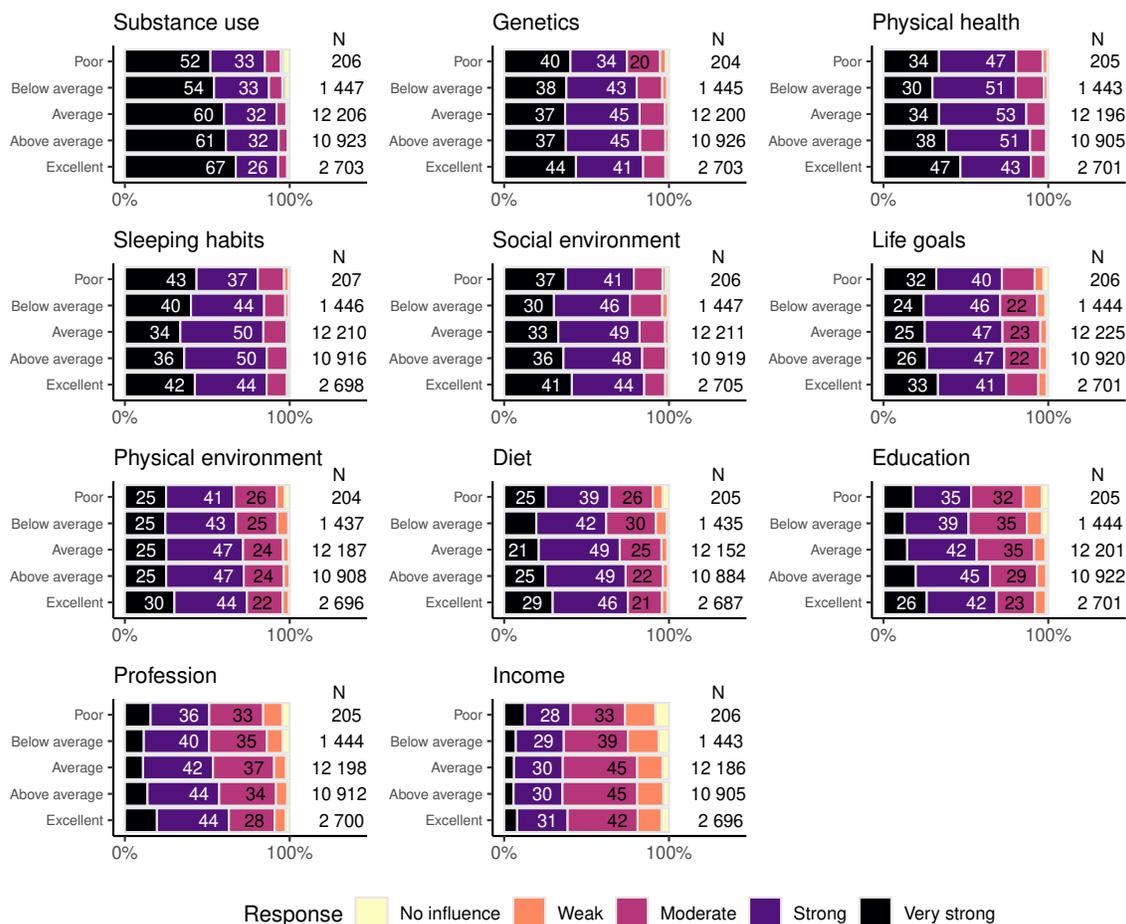
By reported education or work experience in health care



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by having education or work experience in health care. Categories with less than 20% of the responses do not have percentages shown.

### 1.7 Cognitive health

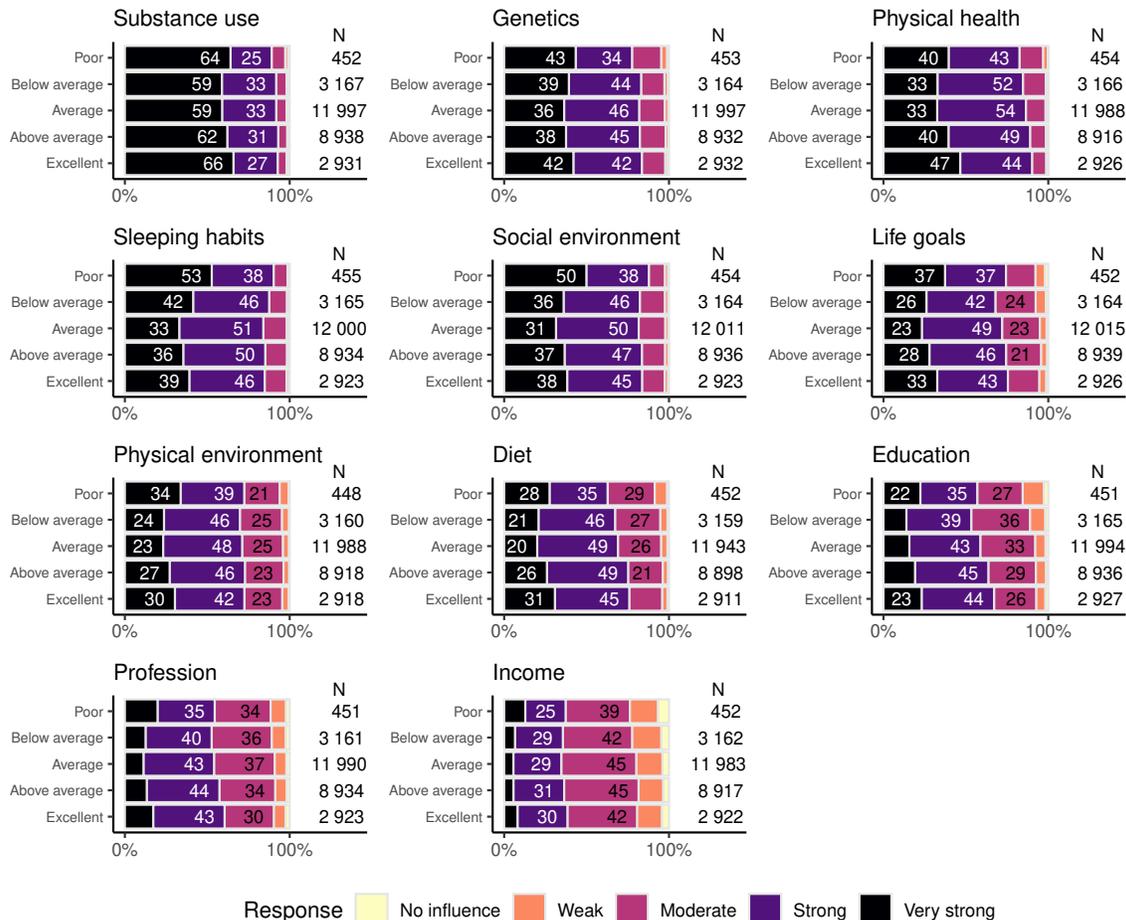
Factors considered to influence brain health  
by self-reported rating of cognitive health



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by self-reported rating of cognitive health. Categories with less than 20% of the responses do not have percentages shown.

### 1.8 Mental health

Factors considered to influence brain health  
by self-reported rating of mental health

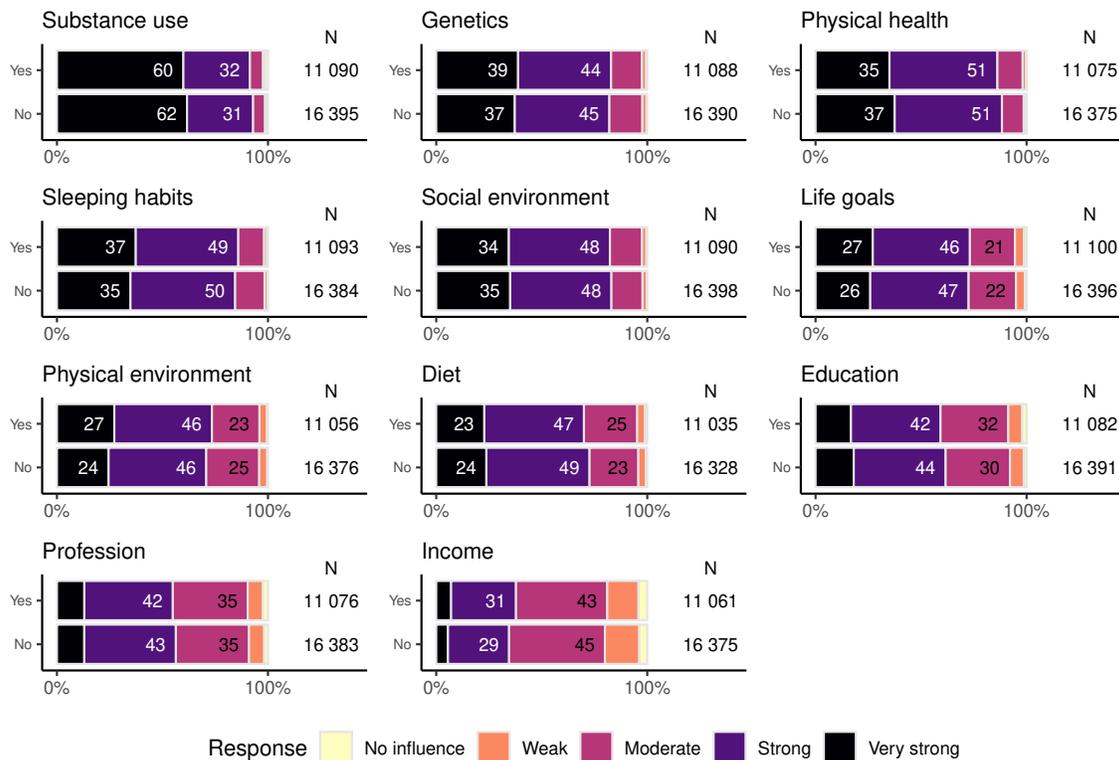


Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided by self-reported rating of mental health. Categories with less than 20% of the responses do not have percentages shown.

## 1.9 Illness

### Factors considered to influence brain health

by experience of long-standing illness, disability, or health problem

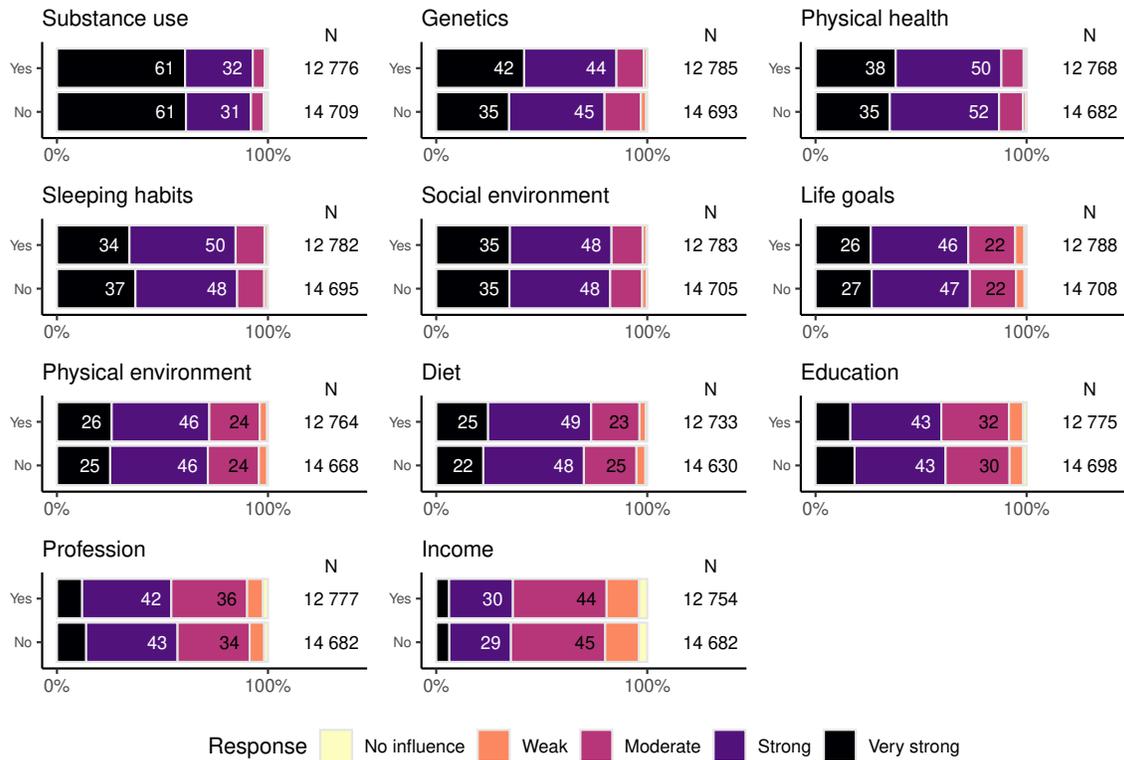


Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided whether they had experience with long-standing illness, disability, or health problem. Categories with less than 20% of the responses do not have percentages shown.

## 1.10 Brain disease care

### Factors considered to influence brain health

by experience of taking care of family member with brain disease

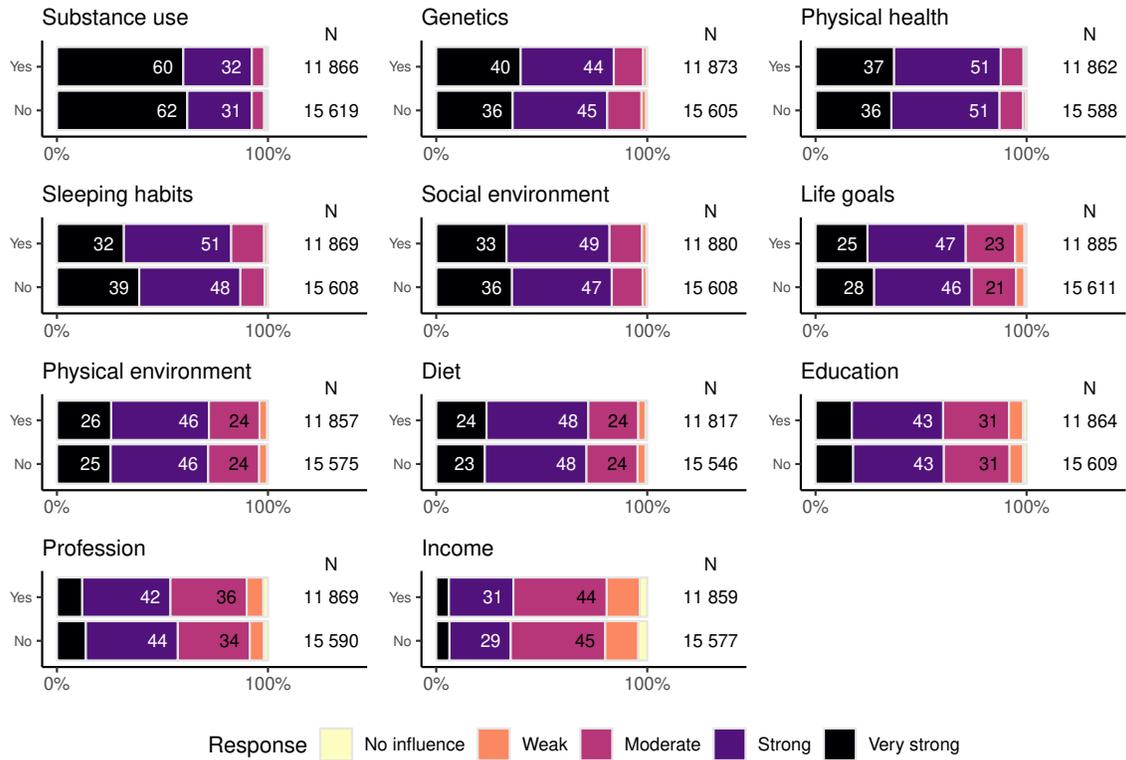


Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided whether they had experience with looking after a member of family with brain disease. Categories with less than 20% of the responses do not have percentages shown.

### 1.11 Research participation

#### Factors considered to influence brain health

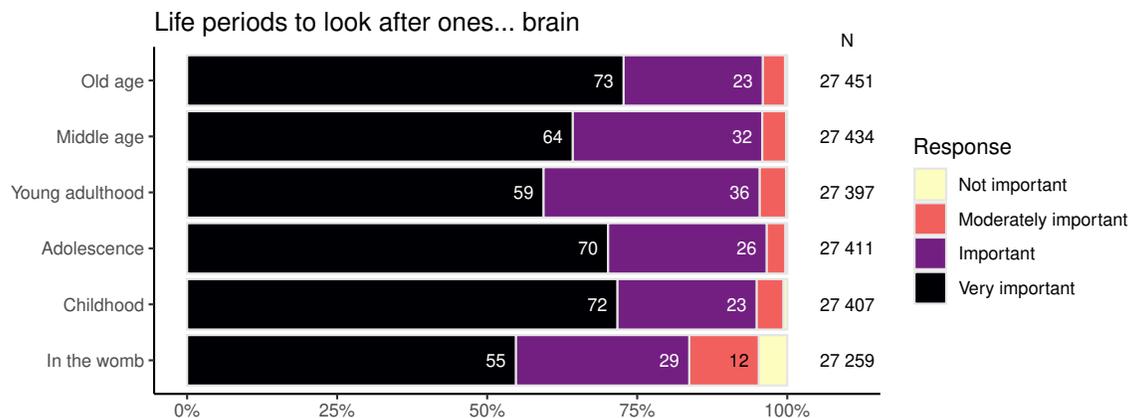
By experience of brain research participation



Question 1 asked respondents to rate on a 5-level likert-scale how strongly different life periods influence brain health. Here divided whether they have participated in brain research projects. Categories with less than 20% of the responses do not have percentages shown.

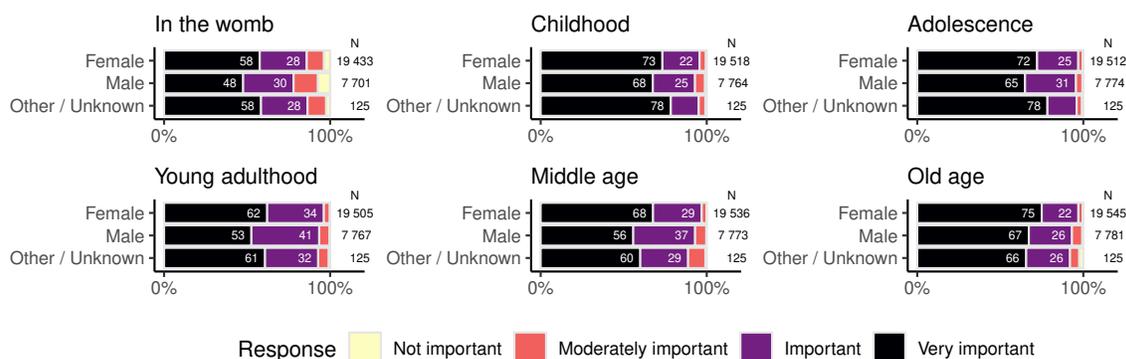
## 2 Question 2

### 2.1 Overall



### 2.2 Gender

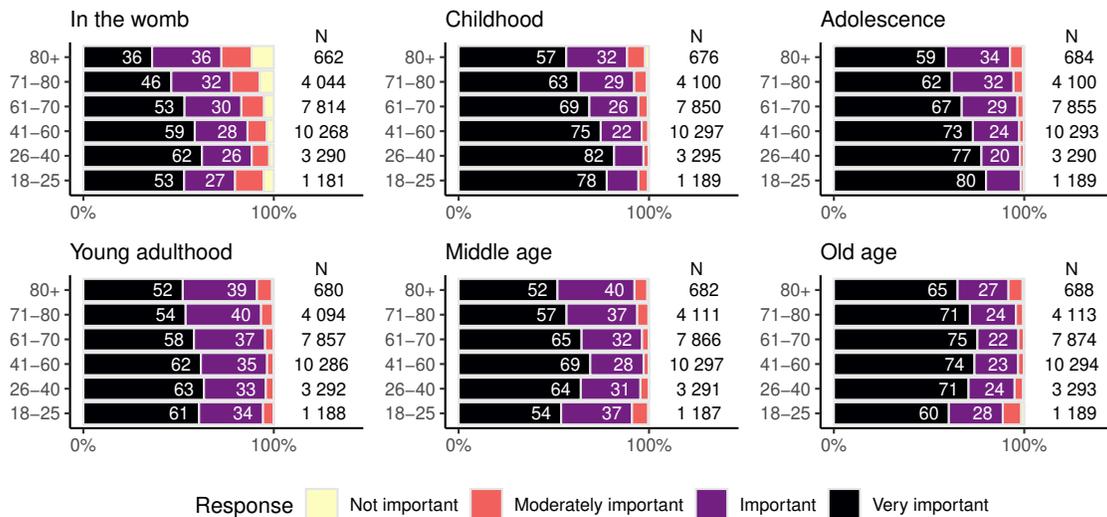
Life periods to look after ones... brain  
by gender



Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided by respondent gender. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups. The number of male and female respondents differ between subplots due to missing answers.

### 2.3 Age groups

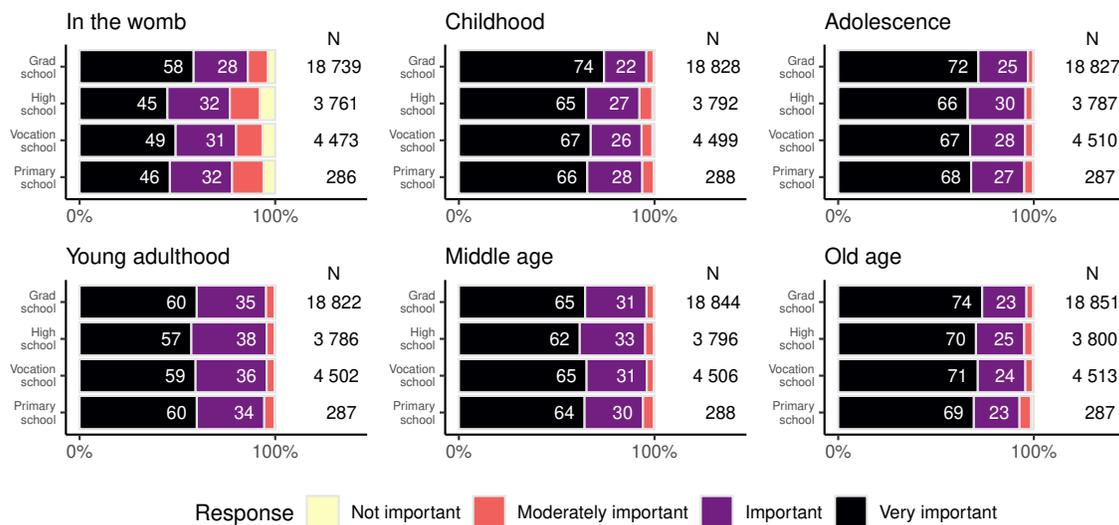
Life periods to look after ones... brain  
by age groups



Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0-12 years); Adolescence (13-18 years); Young adulthood (19...45 years); Middle age (45-65 years); Old age (over 65 years) Here divided by respondent age group. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

### 2.4 Education

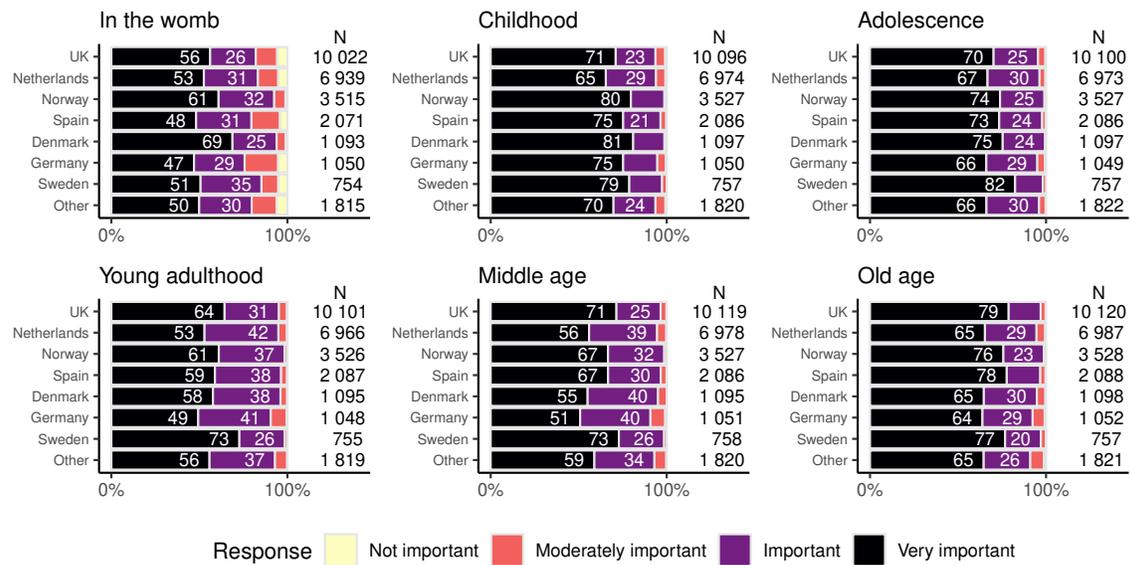
Life periods to look after ones... brain  
by educational level



Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0-12 years); Adolescence (13-18 years); Young adulthood (19...45 years); Middle age (45-65 years); Old age (over 65 years) Here divided by respondent self-reported education level. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

## 2.5 Country

### Life periods to look after ones... brain by country of residence

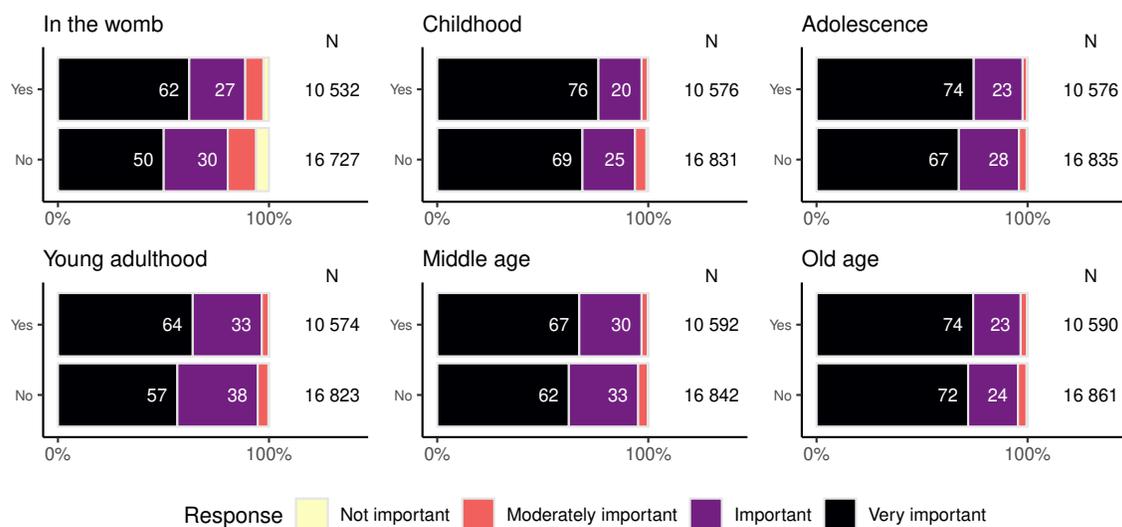


Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided by respondent self-reported country of residence, showing the 7 with the most responses while all other countries are represented in 'Other'. Categories with less than 20% of the responses do not have percentages shown. Subplots are ordered by total rated importance across all groups

## 2.6 Health experience/education

### Life periods to look after ones... brain

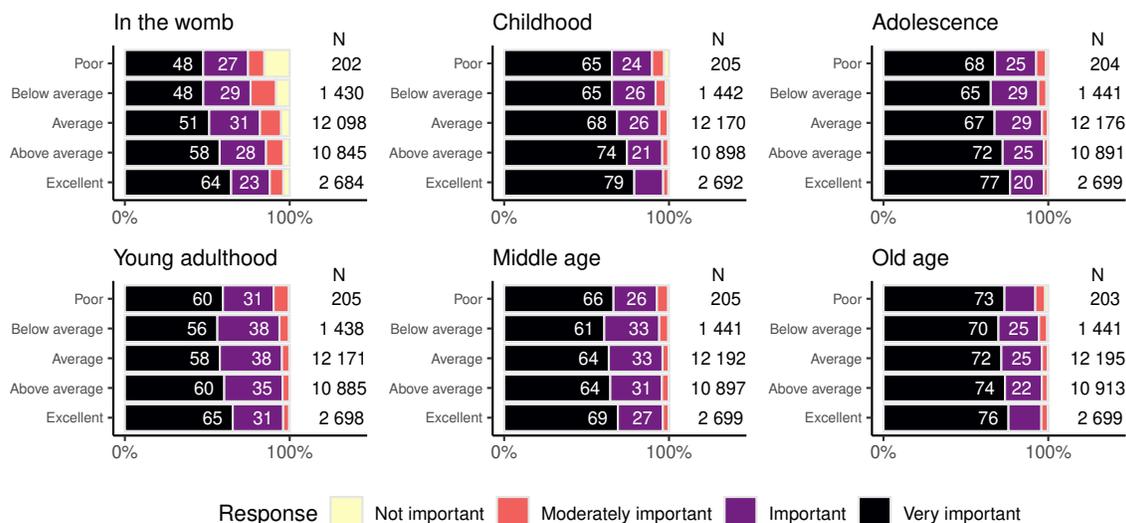
By reported education or work experience in health care



Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided by having education or work experience in health care. Categories with less than 20% of the responses do not have percentages shown.

## 2.7 Cognitive health

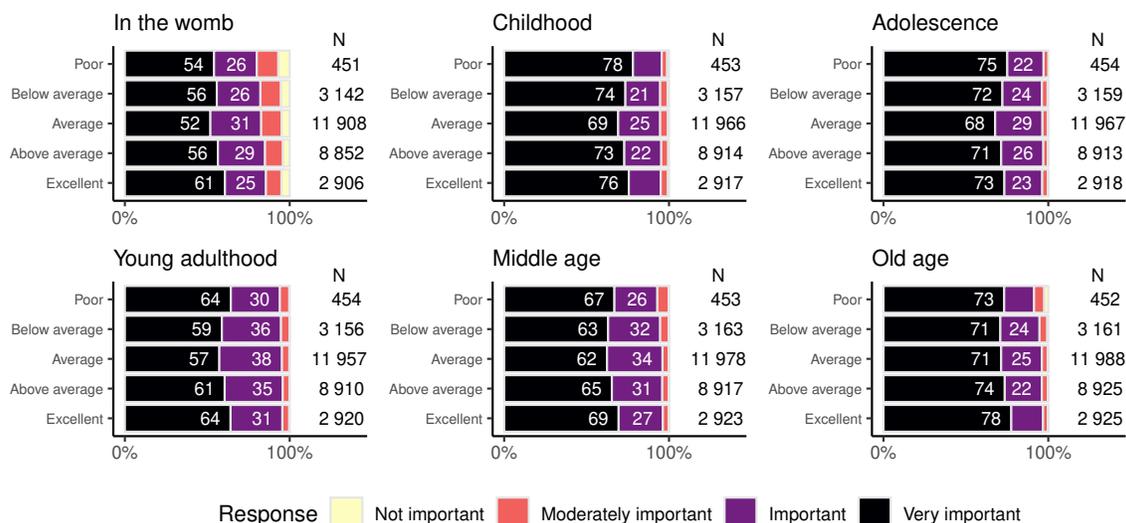
Life periods to look after ones... brain  
by self-reported rating of cognitive health



Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided by self-reported rating of cognitive health. Categories with less than 20% of the responses do not have percentages shown.

## 2.8 Mental health

Life periods to look after ones... brain  
by self-reported rating of mental health

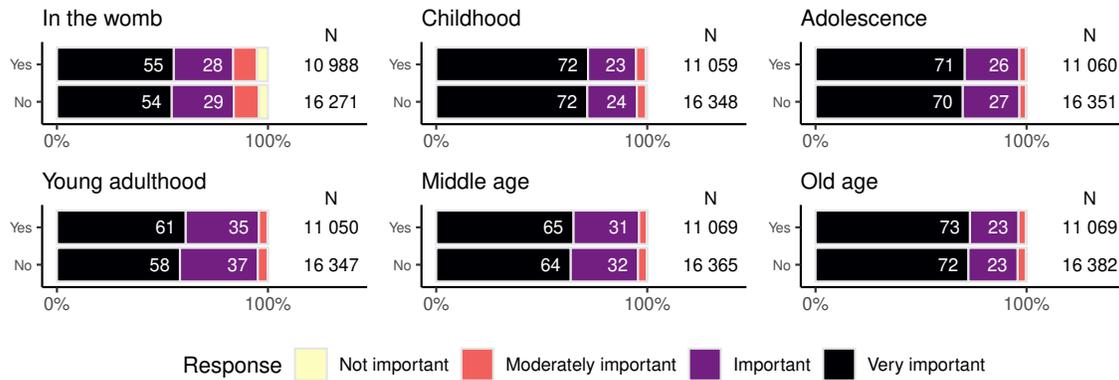


Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided by self-reported rating of mental health. Categories with less than 20% of the responses do not have percentages shown.

## 2.9 Illness

### Life periods to look after ones... brain

by experience of long-standing illness, disability, or health problem

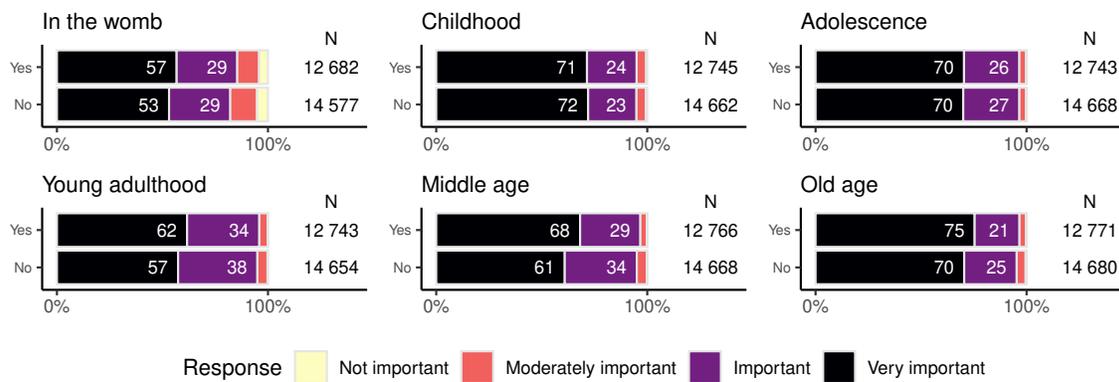


Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided whether they had experience with long-standing illness, disability, or health problem. Categories with less than 20% of the responses do not have percentages shown.

## 2.10 Brain disease care

### Life periods to look after ones... brain

by experience of taking care of family member with brain disease

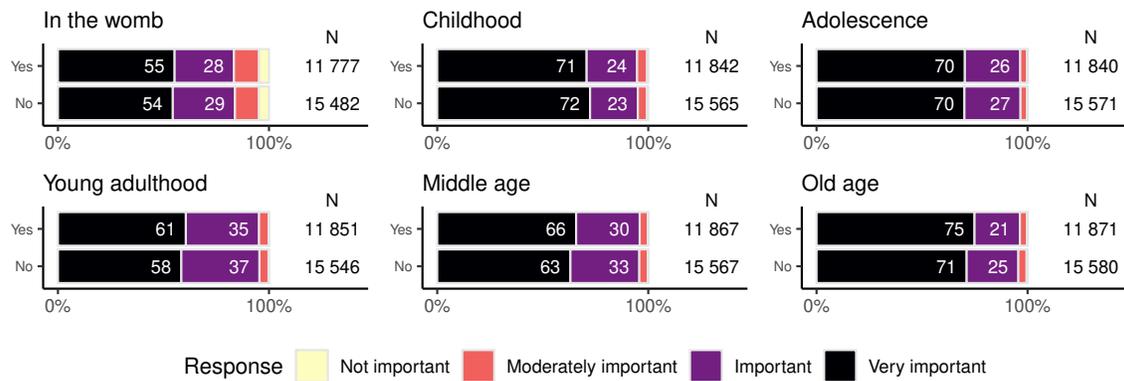


Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19...45 years); Middle age (45–65 years); Old age (over 65 years) Here divided whether they had experience with looking after a member of family with brain disease. Categories with less than 20% of the responses do not have percentages shown.

## 2.11 Research participation

### Life periods to look after ones... brain

By experience of brain research participation

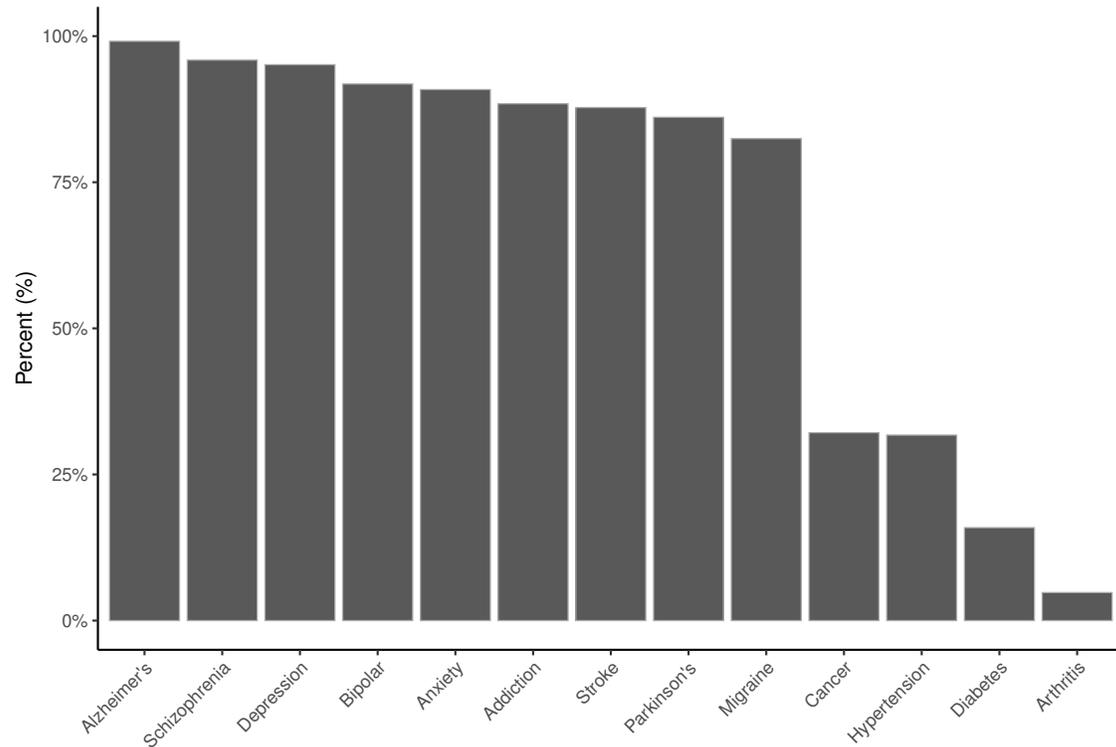


Question 2 asked respondents to rate on a 4...level scale at which life stages it is important to look after one's brain health. In the womb (before birth); Childhood (0–12 years); Adolescence (13–18 years); Young adulthood (19..45 years); Middle age (45–65 years); Old age (over 65 years) Here divided whether they have participated in brain research projects. Categories with less than 20% of the responses do not have percentages shown.

### 3 Question 3

#### 3.1 Overall

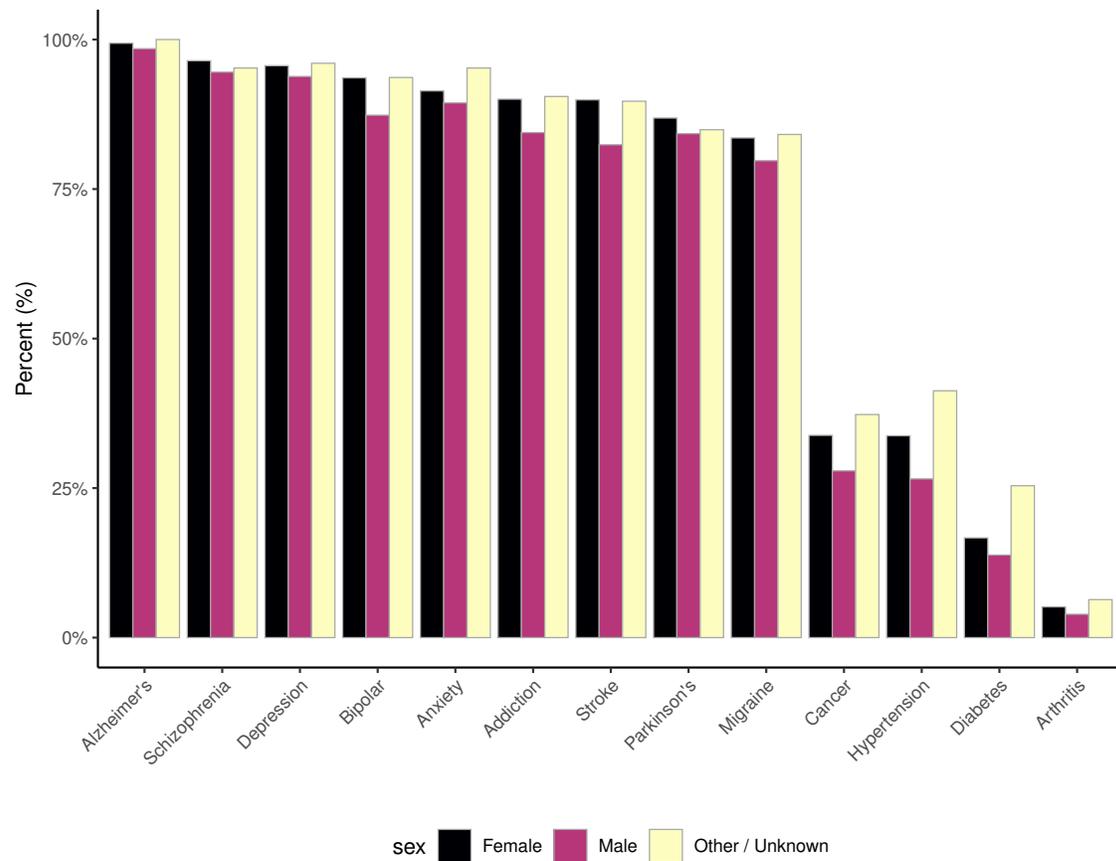
Diseases/disorders associated with the brain



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.2 Gender

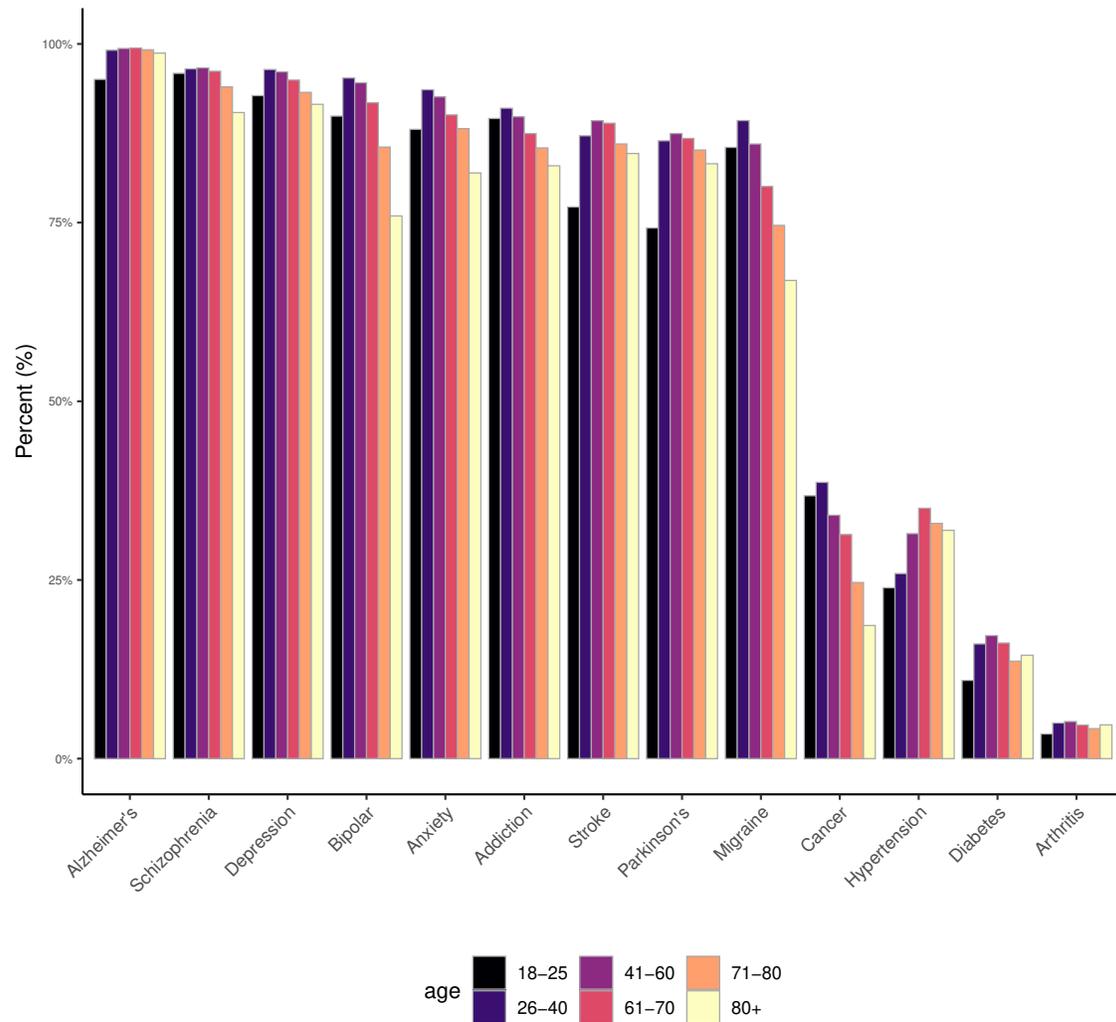
Diseases/disorders associated with the brain  
by gender



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond. The number of male and female respondents differ between subplots due to missing answers.

### 3.3 Age groups

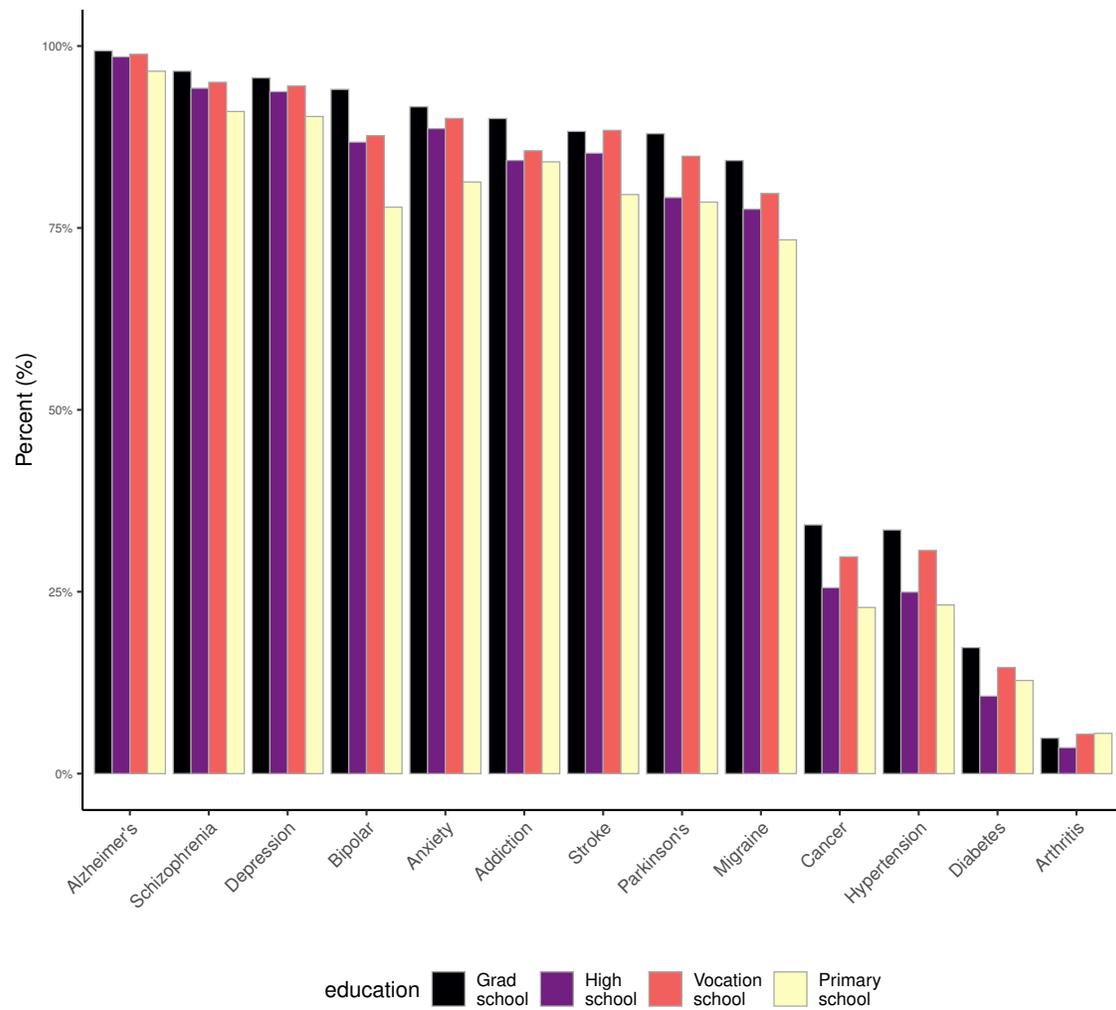
Diseases/disorders associated with the brain  
by age groups



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.4 Education

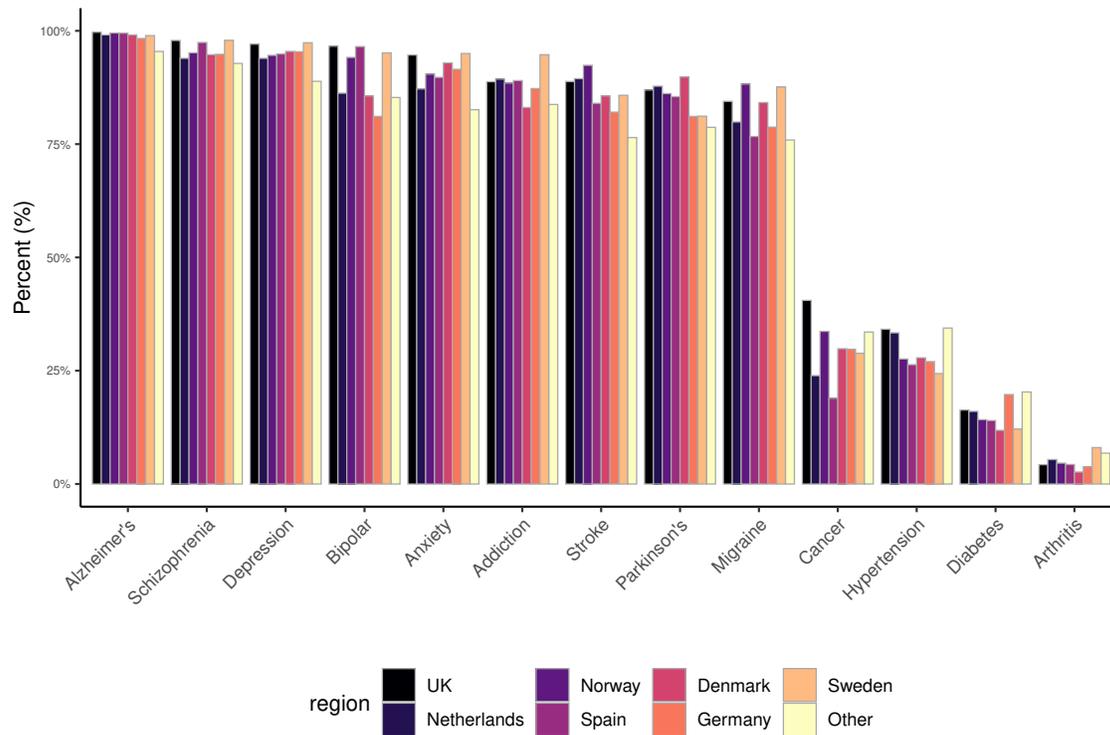
Diseases/disorders associated with the brain  
by education level



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond. Percentages are added to clarify how large a porportion of the respondents associated the diseases with the brain.

### 3.5 Country

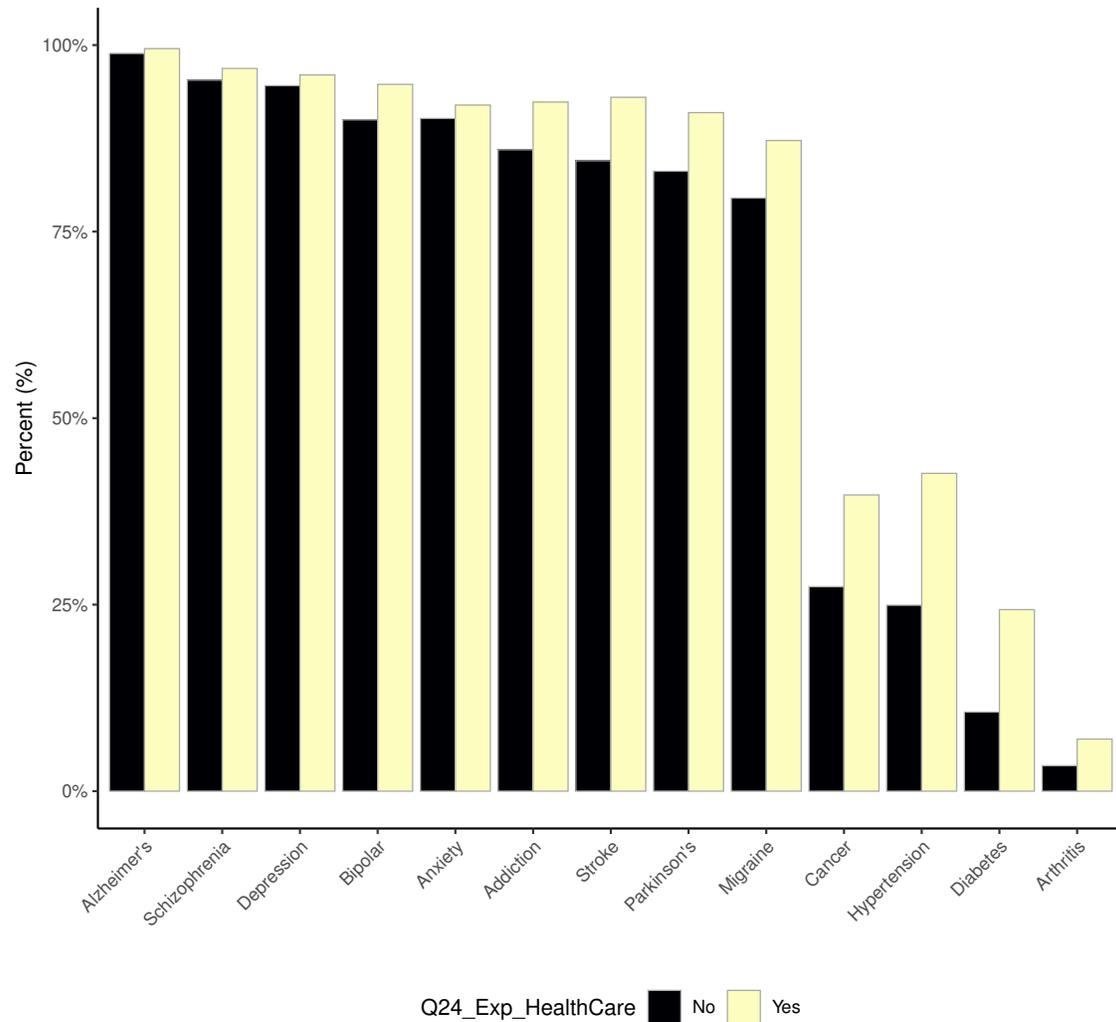
Diseases/disorders associated with the brain  
by country of residence



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.6 Health care experience/education

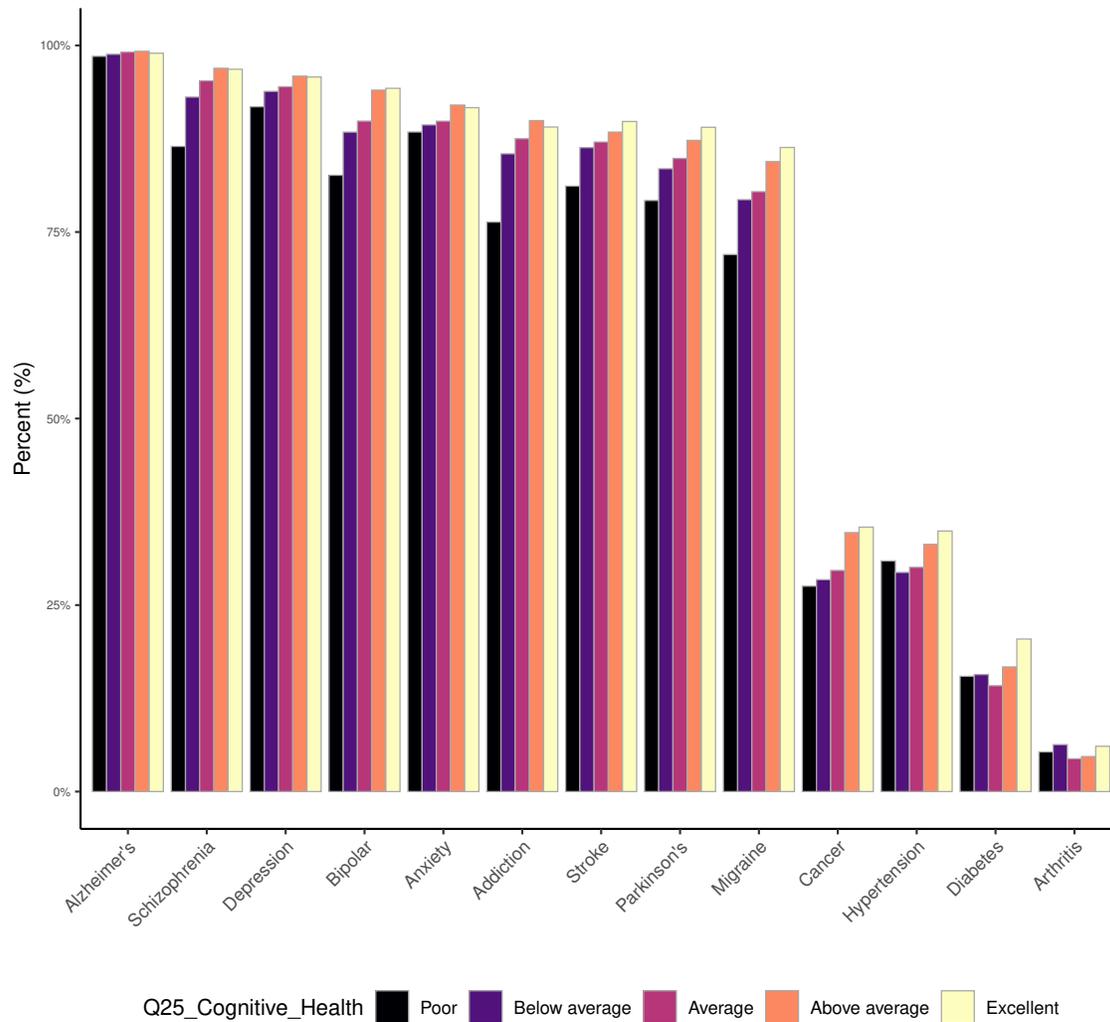
Diseases/disorders associated with the brain  
by reported education or work experience in health care...



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.7 Cognitive health

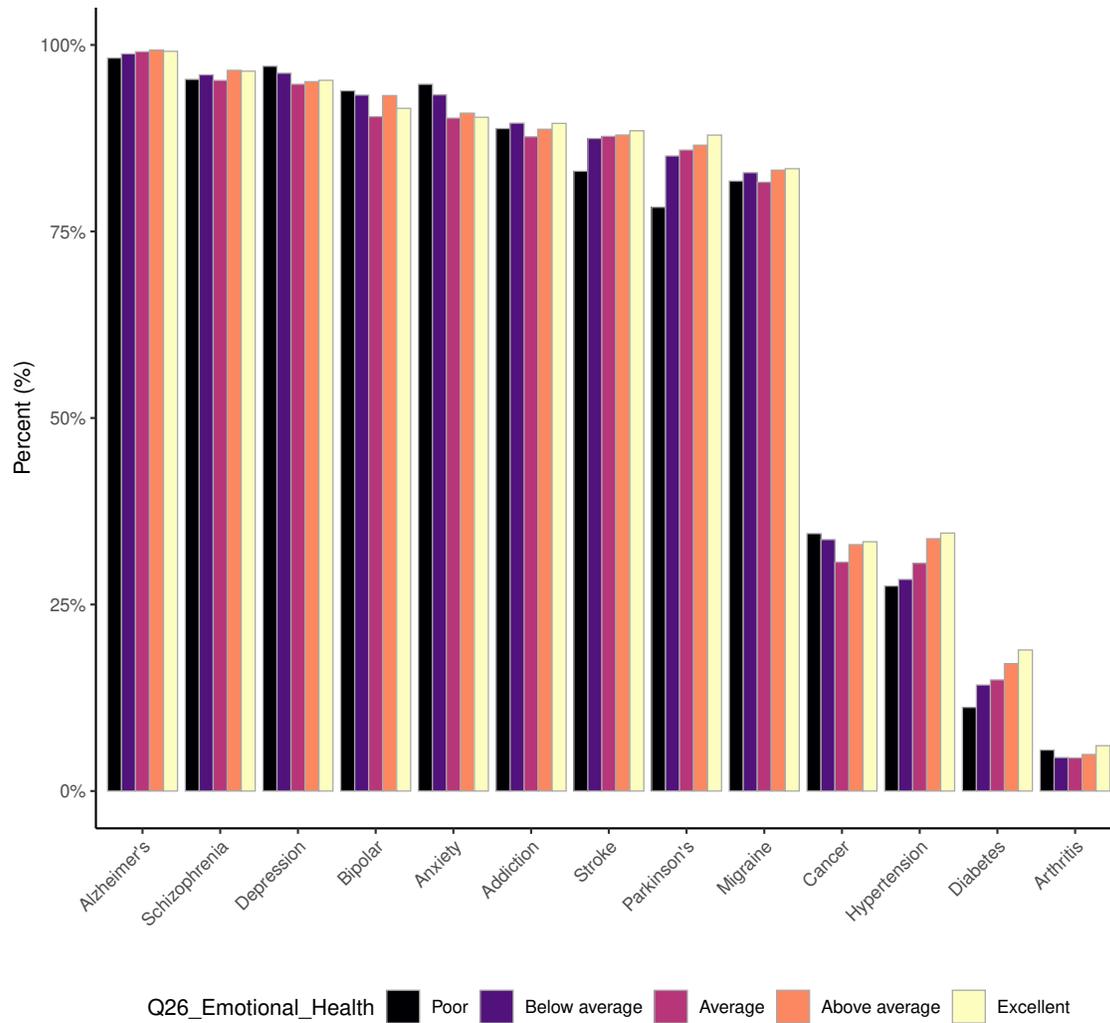
Diseases/disorders associated with the brain  
by self-rated cognitive health



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.8 Mental health

Diseases/disorders associated with the brain  
by self-rated mental health

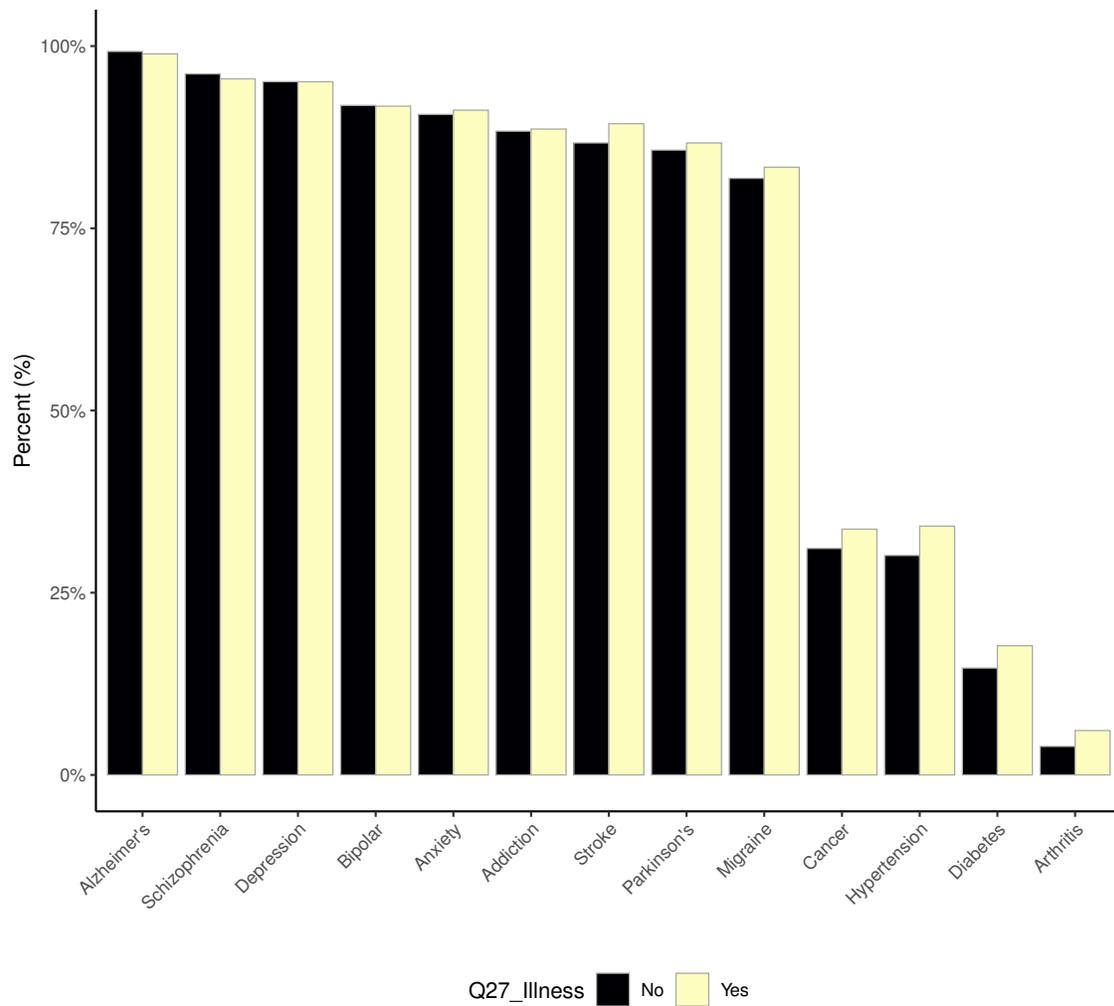


Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond.

### 3.9 Illness

#### Diseases/disorders associated with the brain

by experience of long-standing illness, disability or health problem

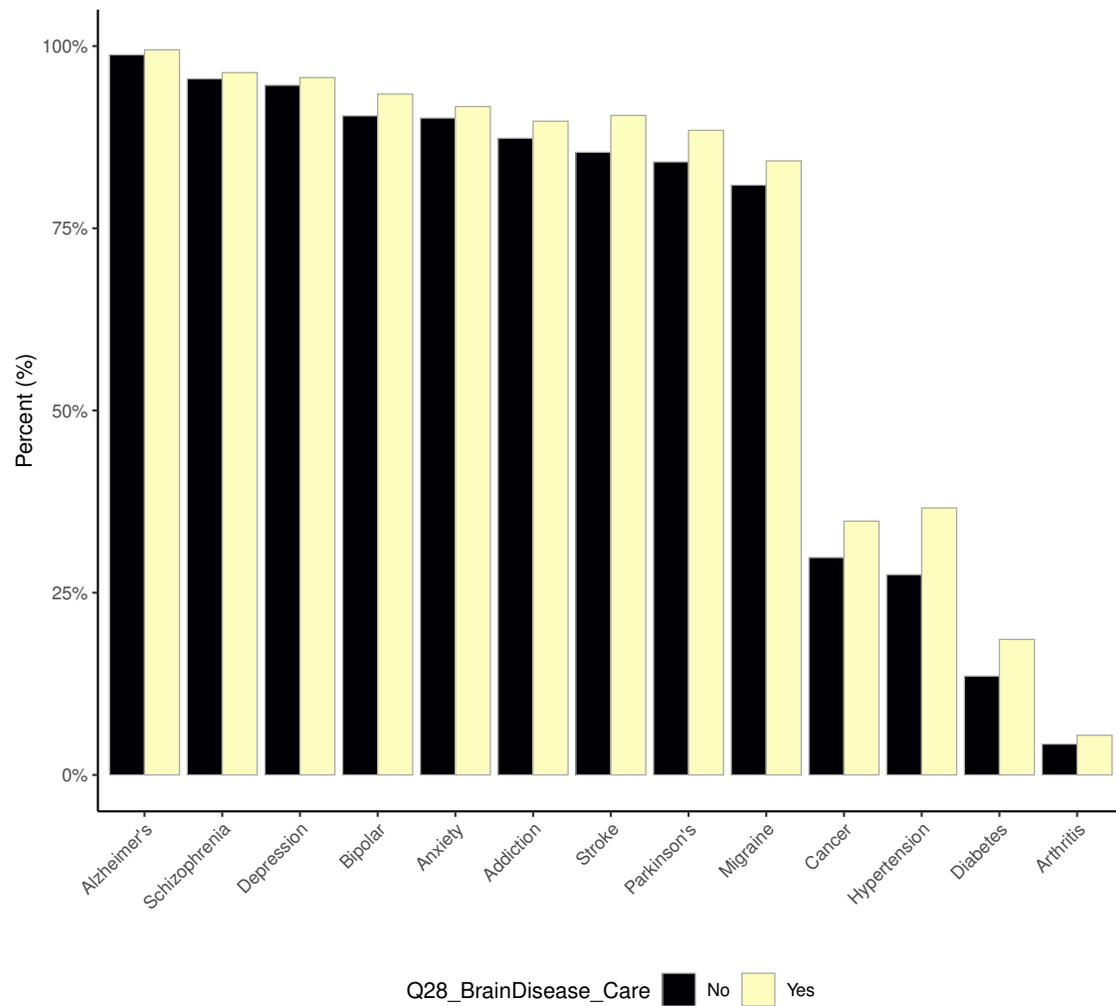


Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond. Here divided whether they had experience with long-standing illness, disability, or health problem.

### 3.10 Brain disease care

#### Ratings of factors influencing brain health

by experience of taking care of family member with brain disease

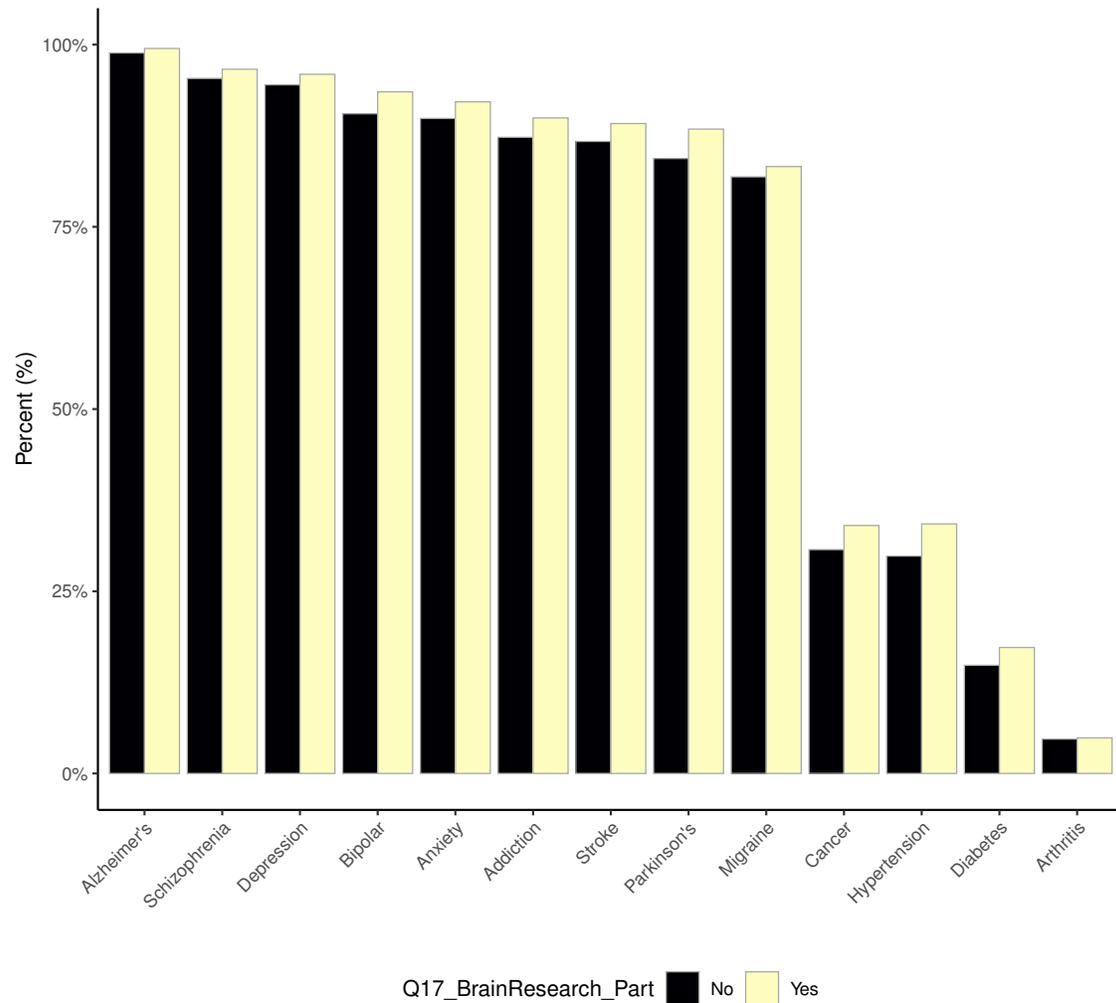


Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond. Here divided whether they had experience with looking after a member of family with brain disease.

### 3.11 Research participation

#### Ratings of factors influencing brain health

By experience of brain research participation



Respondents were given the option to tick boxes with the diseases presented above to indicate which ones they associated with the brain. They were allowed to select as many categories as they wished. The question was optional, and as such we present data from the 27 530 who responded to the question. We do not know if those who refrained from responding did so because they did not associate any of the diseases with the brain, or if they simply did not wish to respond. Here divided whether they have participated in brain research projects.

# Lifebrain Global Brain Health Survey

## Supplementary tables

### Contents

<b>1</b>	<b>Question 1</b>	<b>3</b>
1.1	continuous . . . . .	4
1.1.1	Question 1: continuous - Income . . . . .	5
1.1.2	Question 1: continuous - Profession . . . . .	6
1.1.3	Question 1: continuous - Education . . . . .	7
1.1.4	Question 1: continuous - Diet . . . . .	8
1.1.5	Question 1: continuous - Physical environment . . . . .	9
1.1.6	Question 1: continuous - Life goals . . . . .	10
1.1.7	Question 1: continuous - Social environment . . . . .	11
1.1.8	Question 1: continuous - Sleeping habits . . . . .	12
1.1.9	Question 1: continuous - Physical health . . . . .	13
1.1.10	Question 1: continuous - Genetics . . . . .	14
1.1.11	Question 1: continuous - Substance use . . . . .	15
1.2	binary . . . . .	16
1.2.1	Question 1: binary - Income . . . . .	17
1.2.2	Question 1: binary - Profession . . . . .	18
1.2.3	Question 1: binary - Education . . . . .	19
1.2.4	Question 1: binary - Diet . . . . .	20
1.2.5	Question 1: binary - Physical environment . . . . .	21
1.2.6	Question 1: binary - Life goals . . . . .	22
1.2.7	Question 1: binary - Social environment . . . . .	23
1.2.8	Question 1: binary - Sleeping habits . . . . .	24
1.2.9	Question 1: binary - Physical health . . . . .	25
1.2.10	Question 1: binary - Genetics . . . . .	26
1.2.11	Question 1: binary - Substance use . . . . .	27
1.3	ordinal . . . . .	28
1.3.1	Question 1: ordinal - Income . . . . .	30
1.3.2	Question 1: ordinal - Profession . . . . .	32
1.3.3	Question 1: ordinal - Education . . . . .	34
1.3.4	Question 1: ordinal - Diet . . . . .	36
1.3.5	Question 1: ordinal - Physical environment . . . . .	38
1.3.6	Question 1: ordinal - Life goals . . . . .	40
1.3.7	Question 1: ordinal - Social environment . . . . .	42
1.3.8	Question 1: ordinal - Sleeping habits . . . . .	44
1.3.9	Question 1: ordinal - Physical health . . . . .	46
1.3.10	Question 1: ordinal - Genetics . . . . .	48
1.3.11	Question 1: ordinal - Substance use . . . . .	50
1.4	bin_vs_cont . . . . .	51
1.4.1	Question 1: bin_vs_cont - Income . . . . .	52
1.4.2	Question 1: bin_vs_cont - Profession . . . . .	53
1.4.3	Question 1: bin_vs_cont - Education . . . . .	54
1.4.4	Question 1: bin_vs_cont - Diet . . . . .	55

1.4.5	Question 1: bin_vs_cont - Physical environment . . . . .	56
1.4.6	Question 1: bin_vs_cont - Life goals . . . . .	57
1.4.7	Question 1: bin_vs_cont - Social environment . . . . .	58
1.4.8	Question 1: bin_vs_cont - Sleeping habits . . . . .	59
1.4.9	Question 1: bin_vs_cont - Physical health . . . . .	60
1.4.10	Question 1: bin_vs_cont - Genetics . . . . .	61
1.4.11	Question 1: bin_vs_cont - Substance use . . . . .	62
<b>2</b>	<b>Question 2</b> . . . . .	<b>64</b>
2.1	continuous . . . . .	64
2.1.1	Question 2: continuous - In the womb . . . . .	65
2.1.2	Question 2: continuous - Childhood . . . . .	66
2.1.3	Question 2: continuous - Adolescence . . . . .	67
2.1.4	Question 2: continuous - Young adulthood . . . . .	68
2.1.5	Question 2: continuous - Middle age . . . . .	69
2.1.6	Question 2: continuous - Old age . . . . .	70
2.2	binary . . . . .	70
2.2.1	Question 2: binary - In the womb . . . . .	71
2.2.2	Question 2: binary - Childhood . . . . .	72
2.2.3	Question 2: binary - Adolescence . . . . .	73
2.2.4	Question 2: binary - Young adulthood . . . . .	74
2.2.5	Question 2: binary - Middle age . . . . .	75
2.2.6	Question 2: binary - Old age . . . . .	76
2.3	ordinal . . . . .	76
2.3.1	Question 2: ordinal - In the womb . . . . .	78
2.3.2	Question 2: ordinal - Childhood . . . . .	80
2.3.3	Question 2: ordinal - Adolescence . . . . .	82
2.3.4	Question 2: ordinal - Young adulthood . . . . .	84
2.3.5	Question 2: ordinal - Middle age . . . . .	86
2.3.6	Question 2: ordinal - Old age . . . . .	88
2.4	bin_vs_cont . . . . .	89
2.4.1	Question 2: bin_vs_cont - In the womb . . . . .	90
2.4.2	Question 2: bin_vs_cont - Childhood . . . . .	91
2.4.3	Question 2: bin_vs_cont - Adolescence . . . . .	92
2.4.4	Question 2: bin_vs_cont - Young adulthood . . . . .	93
2.4.5	Question 2: bin_vs_cont - Middle age . . . . .	94
2.4.6	Question 2: bin_vs_cont - Old age . . . . .	95
<b>3</b>	<b>Question 3</b> . . . . .	<b>97</b>
3.1	binary . . . . .	97
3.1.1	Question 3: binary - Alzheimer's . . . . .	98
3.1.2	Question 3: binary - Schizophrenia . . . . .	99
3.1.3	Question 3: binary - Depression . . . . .	100
3.1.4	Question 3: binary - Bipolar . . . . .	101
3.1.5	Question 3: binary - Anxiety . . . . .	102
3.1.6	Question 3: binary - Addiction . . . . .	103
3.1.7	Question 3: binary - Stroke . . . . .	104
3.1.8	Question 3: binary - Parkinson's . . . . .	105
3.1.9	Question 3: binary - Migraine . . . . .	106
3.1.10	Question 3: binary - Cancer . . . . .	107
3.1.11	Question 3: binary - Hypertension . . . . .	108
3.1.12	Question 3: binary - Diabetes . . . . .	109
3.1.13	Question 3: binary - Arthritis . . . . .	110

## 1 Question 1

## 1.1 continuous

## 1.1.1 Question 1: continuous - Income

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.79	0.01	346.28	0.00
age	41-60	0.02	0.01	1.34	0.18
	<= 40	0.13	0.02	8.24	0.00
education	(Intercept)	2.83	0.01	427.49	0.00
	Lower	-0.03	0.01	-2.85	0.00
gender	(Intercept)	2.80	0.01	431.20	0.00
	Man	0.06	0.01	5.03	0.00
	Other/Undisclosed	-0.10	0.08	-1.21	0.23
healthcare_experience	(Intercept)	2.87	0.01	411.84	0.00
	Yes	-0.14	0.01	-12.62	0.00
cognitive_health	(Intercept)	2.81	0.01	497.69	0.00
	Below average	0.06	0.02	2.64	0.01
mental_health	(Intercept)	2.81	0.01	478.30	0.00
	Below average	0.03	0.02	1.74	0.08
illness_experience	(Intercept)	2.84	0.01	400.38	0.00
	Yes	-0.06	0.01	-4.95	0.00
brain_disease_caregiver	(Intercept)	2.82	0.01	376.99	0.00
	Yes	-0.02	0.01	-1.46	0.14
brain_research_participation	(Intercept)	2.83	0.01	388.69	0.00
	Yes	-0.02	0.01	-2.12	0.03
relationship	(Intercept)	2.82	0.01	341.26	0.00
	Stable	0.00	0.01	-0.09	0.93

## 1.1.2 Question 1: continuous - Profession

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.49	0.01	320.24	0.00
age	41-60	-0.09	0.01	-7.52	0.00
	<= 40	-0.19	0.02	-12.39	0.00
education	(Intercept)	2.38	0.01	373.25	0.00
	Lower	0.15	0.01	13.31	0.00
gender	(Intercept)	2.44	0.01	388.72	0.00
	Man	-0.05	0.01	-4.27	0.00
	Other/Undisclosed	0.01	0.08	0.12	0.90
healthcare_experience	(Intercept)	2.47	0.01	365.74	0.00
	Yes	-0.11	0.01	-10.03	0.00
cognitive_health	(Intercept)	2.42	0.01	442.80	0.00
	Below average	0.14	0.02	6.08	0.00
mental_health	(Intercept)	2.42	0.01	425.73	0.00
	Below average	0.05	0.02	3.07	0.00
illness_experience	(Intercept)	2.41	0.01	352.17	0.00
	Yes	0.03	0.01	2.52	0.01
brain_disease_caregiver	(Intercept)	2.39	0.01	330.81	0.00
	Yes	0.07	0.01	6.30	0.00
brain_research_participation	(Intercept)	2.40	0.01	341.07	0.00
	Yes	0.07	0.01	6.48	0.00
relationship	(Intercept)	2.41	0.01	302.34	0.00
	Stable	0.03	0.01	2.38	0.02

## 1.1.3 Question 1: continuous - Education

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.33	0.01	294.00	0.00
age	41-60	0.02	0.01	1.55	0.12
	<= 40	-0.11	0.02	-6.88	0.00
education	(Intercept)	2.24	0.01	347.77	0.00
	Lower	0.23	0.01	20.40	0.00
gender	(Intercept)	2.32	0.01	364.35	0.00
	Man	-0.03	0.01	-2.60	0.01
	Other/Undisclosed	-0.03	0.08	-0.32	0.75
healthcare_experience	(Intercept)	2.37	0.01	346.73	0.00
	Yes	-0.15	0.01	-13.63	0.00
cognitive_health	(Intercept)	2.30	0.01	415.46	0.00
	Below average	0.22	0.02	9.50	0.00
mental_health	(Intercept)	2.30	0.01	398.10	0.00
	Below average	0.15	0.02	9.54	0.00
illness_experience	(Intercept)	2.29	0.01	329.40	0.00
	Yes	0.05	0.01	4.79	0.00
brain_disease_caregiver	(Intercept)	2.30	0.01	312.05	0.00
	Yes	0.04	0.01	3.97	0.00
brain_research_participation	(Intercept)	2.31	0.01	323.58	0.00
	Yes	0.01	0.01	1.08	0.28
relationship	(Intercept)	2.31	0.01	285.57	0.00
	Stable	0.00	0.01	0.14	0.89

## 1.1.4 Question 1: continuous - Diet

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.21	0.01	303.94	0.00
age	41-60	-0.19	0.01	-17.83	0.00
	<= 40	-0.24	0.01	-16.58	0.00
education	(Intercept)	2.07	0.01	344.18	0.00
	Lower	0.12	0.01	11.01	0.00
gender	(Intercept)	2.06	0.01	350.17	0.00
	Man	0.14	0.01	12.65	0.00
	Other/Undisclosed	-0.05	0.07	-0.65	0.51
healthcare_experience	(Intercept)	2.16	0.01	340.55	0.00
	Yes	-0.14	0.01	-14.09	0.00
cognitive_health	(Intercept)	2.09	0.01	407.41	0.00
	Below average	0.18	0.02	8.69	0.00
mental_health	(Intercept)	2.09	0.01	391.07	0.00
	Below average	0.09	0.01	5.98	0.00
illness_experience	(Intercept)	2.08	0.01	323.06	0.00
	Yes	0.05	0.01	4.56	0.00
brain_disease_caregiver	(Intercept)	2.14	0.01	313.75	0.00
	Yes	-0.07	0.01	-7.35	0.00
brain_research_participation	(Intercept)	2.11	0.01	319.29	0.00
	Yes	-0.02	0.01	-2.02	0.04
relationship	(Intercept)	2.09	0.01	278.30	0.00
	Stable	0.03	0.01	2.66	0.01

## 1.1.5 Question 1: continuous - Physical environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.12	0.01	290.32	0.00
age	41-60	-0.09	0.01	-8.67	0.00
	<= 40	-0.06	0.01	-4.14	0.00
education	(Intercept)	2.08	0.01	347.07	0.00
	Lower	-0.02	0.01	-1.57	0.12
gender	(Intercept)	2.05	0.01	349.10	0.00
	Man	0.08	0.01	6.99	0.00
	Other/Undisclosed	-0.10	0.07	-1.43	0.15
healthcare_experience	(Intercept)	2.10	0.01	332.92	0.00
	Yes	-0.08	0.01	-8.19	0.00
cognitive_health	(Intercept)	2.06	0.01	404.03	0.00
	Below average	0.10	0.02	4.90	0.00
mental_health	(Intercept)	2.07	0.01	388.51	0.00
	Below average	0.03	0.01	2.28	0.02
illness_experience	(Intercept)	2.09	0.01	326.35	0.00
	Yes	-0.05	0.01	-5.38	0.00
brain_disease_caregiver	(Intercept)	2.08	0.01	306.66	0.00
	Yes	-0.02	0.01	-1.72	0.09
brain_research_participation	(Intercept)	2.07	0.01	315.31	0.00
	Yes	-0.01	0.01	-0.81	0.42
relationship	(Intercept)	2.05	0.01	274.73	0.00
	Stable	0.04	0.01	3.64	0.00

## 1.1.6 Question 1: continuous - Life goals

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.06	0.01	270.35	0.00
age	41-60	-0.01	0.01	-0.49	0.62
	<= 40	0.09	0.01	6.00	0.00
education	(Intercept)	2.06	0.01	329.50	0.00
	Lower	0.04	0.01	3.25	0.00
gender	(Intercept)	2.05	0.01	334.18	0.00
	Man	0.07	0.01	6.14	0.00
	Other/Undisclosed	0.01	0.08	0.17	0.87
healthcare_experience	(Intercept)	2.11	0.01	320.69	0.00
	Yes	-0.11	0.01	-10.78	0.00
cognitive_health	(Intercept)	2.07	0.01	387.00	0.00
	Below average	0.06	0.02	2.79	0.01
mental_health	(Intercept)	2.06	0.01	371.13	0.00
	Below average	0.07	0.02	4.39	0.00
illness_experience	(Intercept)	2.07	0.01	309.33	0.00
	Yes	-0.01	0.01	-0.93	0.35
brain_disease_caregiver	(Intercept)	2.06	0.01	291.32	0.00
	Yes	0.02	0.01	1.62	0.10
brain_research_participation	(Intercept)	2.04	0.01	297.42	0.00
	Yes	0.06	0.01	6.14	0.00
relationship	(Intercept)	2.06	0.01	264.76	0.00
	Stable	0.01	0.01	0.93	0.35

## 1.1.7 Question 1: continuous - Social environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.94	0.01	288.53	0.00
age	41-60	-0.13	0.01	-12.66	0.00
	<= 40	-0.26	0.01	-20.07	0.00
education	(Intercept)	1.83	0.01	329.44	0.00
	Lower	0.06	0.01	6.20	0.00
gender	(Intercept)	1.82	0.01	333.85	0.00
	Man	0.11	0.01	10.85	0.00
	Other/Undisclosed	-0.17	0.07	-2.52	0.01
healthcare_experience	(Intercept)	1.90	0.01	324.88	0.00
	Yes	-0.14	0.01	-14.45	0.00
cognitive_health	(Intercept)	1.84	0.00	387.94	0.00
	Below average	0.13	0.02	6.66	0.00
mental_health	(Intercept)	1.86	0.00	375.25	0.00
	Below average	-0.04	0.01	-2.84	0.00
illness_experience	(Intercept)	1.84	0.01	308.98	0.00
	Yes	0.02	0.01	1.82	0.07
brain_disease_caregiver	(Intercept)	1.86	0.01	294.47	0.00
	Yes	-0.01	0.01	-1.16	0.25
brain_research_participation	(Intercept)	1.83	0.01	299.84	0.00
	Yes	0.04	0.01	4.30	0.00
relationship	(Intercept)	1.83	0.01	263.05	0.00
	Stable	0.05	0.01	4.97	0.00

## 1.1.8 Question 1: continuous - Sleeping habits

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.98	0.01	312.03	0.00
age	41-60	-0.28	0.01	-29.04	0.00
	<= 40	-0.41	0.01	-32.90	0.00
education	(Intercept)	1.79	0.01	335.47	0.00
	Lower	0.07	0.01	7.00	0.00
gender	(Intercept)	1.77	0.01	339.42	0.00
	Man	0.13	0.01	13.02	0.00
	Other/Undisclosed	-0.04	0.07	-0.65	0.51
healthcare_experience	(Intercept)	1.85	0.01	328.79	0.00
	Yes	-0.11	0.01	-11.72	0.00
cognitive_health	(Intercept)	1.81	0.00	397.08	0.00
	Below average	-0.02	0.02	-1.28	0.20
mental_health	(Intercept)	1.83	0.00	385.18	0.00
	Below average	-0.12	0.01	-9.03	0.00
illness_experience	(Intercept)	1.83	0.01	318.62	0.00
	Yes	-0.04	0.01	-3.95	0.00
brain_disease_caregiver	(Intercept)	1.80	0.01	296.79	0.00
	Yes	0.03	0.01	3.77	0.00
brain_research_participation	(Intercept)	1.76	0.01	300.63	0.00
	Yes	0.12	0.01	13.42	0.00
relationship	(Intercept)	1.76	0.01	264.10	0.00
	Stable	0.10	0.01	10.98	0.00

## 1.1.9 Question 1: continuous - Physical health

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.82	0.01	290.41	0.00
age	41-60	-0.07	0.01	-7.65	0.00
	<= 40	-0.09	0.01	-7.70	0.00
education	(Intercept)	1.74	0.01	339.35	0.00
	Lower	0.12	0.01	12.71	0.00
gender	(Intercept)	1.76	0.01	347.94	0.00
	Man	0.07	0.01	7.47	0.00
	Other/Undisclosed	0.01	0.06	0.21	0.83
healthcare_experience	(Intercept)	1.83	0.01	336.63	0.00
	Yes	-0.12	0.01	-14.06	0.00
cognitive_health	(Intercept)	1.77	0.00	402.56	0.00
	Below average	0.16	0.02	8.83	0.00
mental_health	(Intercept)	1.77	0.00	386.63	0.00
	Below average	0.07	0.01	5.46	0.00
illness_experience	(Intercept)	1.76	0.01	318.36	0.00
	Yes	0.05	0.01	6.01	0.00
brain_disease_caregiver	(Intercept)	1.80	0.01	308.40	0.00
	Yes	-0.04	0.01	-4.98	0.00
brain_research_participation	(Intercept)	1.79	0.01	315.78	0.00
	Yes	-0.02	0.01	-2.45	0.01
relationship	(Intercept)	1.78	0.01	277.38	0.00
	Stable	-0.01	0.01	-0.66	0.51

## 1.1.10 Question 1: continuous - Genetics

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.82	0.01	261.11	0.00
age	41-60	-0.03	0.01	-2.59	0.01
	<= 40	0.12	0.01	8.53	0.00
education	(Intercept)	1.82	0.01	317.89	0.00
	Lower	0.03	0.01	2.59	0.01
gender	(Intercept)	1.80	0.01	320.51	0.00
	Man	0.10	0.01	9.30	0.00
	Other/Undisclosed	0.32	0.07	4.60	0.00
healthcare_experience	(Intercept)	1.84	0.01	304.54	0.00
	Yes	-0.04	0.01	-3.85	0.00
cognitive_health	(Intercept)	1.82	0.00	373.01	0.00
	Below average	0.05	0.02	2.72	0.01
mental_health	(Intercept)	1.83	0.01	359.52	0.00
	Below average	-0.02	0.01	-1.09	0.27
illness_experience	(Intercept)	1.83	0.01	298.97	0.00
	Yes	-0.02	0.01	-2.07	0.04
brain_disease_caregiver	(Intercept)	1.89	0.01	293.37	0.00
	Yes	-0.14	0.01	-15.23	0.00
brain_research_participation	(Intercept)	1.86	0.01	296.18	0.00
	Yes	-0.08	0.01	-8.22	0.00
relationship	(Intercept)	1.86	0.01	260.76	0.00
	Stable	-0.06	0.01	-6.27	0.00

## 1.1.11 Question 1: continuous - Substance use

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.57	0.01	243.70	0.00
age	41-60	-0.14	0.01	-14.92	0.00
	<= 40	-0.12	0.01	-9.92	0.00
education	(Intercept)	1.48	0.01	278.40	0.00
	Lower	0.06	0.01	6.44	0.00
gender	(Intercept)	1.46	0.01	281.44	0.00
	Man	0.11	0.01	11.15	0.00
	Other/Undisclosed	0.18	0.06	2.83	0.00
healthcare_experience	(Intercept)	1.53	0.01	273.80	0.00
	Yes	-0.10	0.01	-10.71	0.00
cognitive_health	(Intercept)	1.48	0.00	327.91	0.00
	Below average	0.18	0.02	9.81	0.00
mental_health	(Intercept)	1.49	0.00	316.17	0.00
	Below average	0.03	0.01	2.19	0.03
illness_experience	(Intercept)	1.47	0.01	259.31	0.00
	Yes	0.05	0.01	5.55	0.00
brain_disease_caregiver	(Intercept)	1.50	0.01	249.82	0.00
	Yes	-0.01	0.01	-1.46	0.14
brain_research_participation	(Intercept)	1.49	0.01	255.10	0.00
	Yes	0.02	0.01	2.00	0.05
relationship	(Intercept)	1.50	0.01	226.32	0.00
	Stable	-0.01	0.01	-0.65	0.52

## 1.2 binary

## 1.2.1 Question 1: binary - Income

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.54	0.02	-29.28	0.00
age	41-60	-0.02	0.03	-0.87	0.38
	<= 40	-0.21	0.04	-5.81	0.00
education	(Intercept)	-0.62	0.02	-40.31	0.00
	Lower	0.10	0.03	3.86	0.00
gender	(Intercept)	-0.57	0.01	-38.16	0.00
	Man	-0.05	0.03	-1.88	0.06
	Other/Undisclosed	0.17	0.18	0.93	0.35
healthcare_experience	(Intercept)	-0.69	0.02	-42.09	0.00
	Yes	0.27	0.03	10.31	0.00
cognitive_health	(Intercept)	-0.58	0.01	-45.02	0.00
	Below average	0.04	0.05	0.74	0.46
mental_health	(Intercept)	-0.58	0.01	-43.13	0.00
	Below average	0.00	0.04	0.07	0.94
illness_experience	(Intercept)	-0.64	0.02	-38.97	0.00
	Yes	0.14	0.03	5.57	0.00
brain_disease_caregiver	(Intercept)	-0.60	0.02	-34.83	0.00
	Yes	0.04	0.03	1.58	0.11
brain_research_participation	(Intercept)	-0.61	0.02	-36.13	0.00
	Yes	0.05	0.03	2.11	0.03
relationship	(Intercept)	-0.58	0.02	-30.68	0.00
	Stable	0.00	0.03	-0.05	0.96

## 1.2.2 Question 1: binary - Profession

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.13	0.02	7.30	0.00
age	41-60	0.15	0.03	5.61	0.00
	<= 40	0.29	0.04	8.08	0.00
education	(Intercept)	0.32	0.01	21.78	0.00
	Lower	-0.28	0.03	-10.78	0.00
gender	(Intercept)	0.19	0.01	12.91	0.00
	Man	0.17	0.03	6.11	0.00
	Other/Undisclosed	-0.01	0.18	-0.07	0.95
healthcare_experience	(Intercept)	0.15	0.02	9.99	0.00
	Yes	0.20	0.03	8.10	0.00
cognitive_health	(Intercept)	0.24	0.01	19.47	0.00
	Below average	-0.20	0.05	-3.92	0.00
mental_health	(Intercept)	0.25	0.01	19.12	0.00
	Below average	-0.13	0.04	-3.69	0.00
illness_experience	(Intercept)	0.26	0.02	16.25	0.00
	Yes	-0.06	0.02	-2.38	0.02
brain_disease_caregiver	(Intercept)	0.29	0.02	17.29	0.00
	Yes	-0.12	0.02	-4.94	0.00
brain_research_participation	(Intercept)	0.29	0.02	18.13	0.00
	Yes	-0.14	0.02	-5.77	0.00
relationship	(Intercept)	0.24	0.02	13.32	0.00
	Stable	-0.02	0.02	-0.86	0.39

## 1.2.3 Question 1: binary - Education

fct	term	estimate	std.error	statistic	p.value
age	(Intercept)	0.44	0.02	24.30	0.00
	41-60	-0.07	0.03	-2.57	0.01
	<= 40	0.11	0.04	2.97	0.00
education	(Intercept)	0.59	0.02	38.77	0.00
	Lower	-0.48	0.03	-18.32	0.00
gender	(Intercept)	0.40	0.01	27.28	0.00
	Man	0.12	0.03	4.40	0.00
	Other/Undisclosed	0.20	0.19	1.09	0.28
healthcare_experience	(Intercept)	0.32	0.02	20.77	0.00
	Yes	0.29	0.03	11.23	0.00
cognitive_health	(Intercept)	0.46	0.01	35.77	0.00
	Below average	-0.39	0.05	-7.57	0.00
mental_health	(Intercept)	0.48	0.01	35.81	0.00
	Below average	-0.33	0.04	-9.05	0.00
illness_experience	(Intercept)	0.47	0.02	29.52	0.00
	Yes	-0.10	0.03	-4.03	0.00
brain_disease_caregiver	(Intercept)	0.47	0.02	27.85	0.00
	Yes	-0.08	0.02	-3.40	0.00
brain_research_participation	(Intercept)	0.44	0.02	26.81	0.00
	Yes	-0.02	0.02	-0.61	0.54
relationship	(Intercept)	0.42	0.02	22.55	0.00
	Stable	0.03	0.02	1.03	0.30

## 1.2.4 Question 1: binary - Diet

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.69	0.02	36.76	0.00
age	41-60	0.43	0.03	14.59	0.00
	<= 40	0.47	0.04	11.71	0.00
education	(Intercept)	1.00	0.02	60.83	0.00
	Lower	-0.24	0.03	-8.44	0.00
gender	(Intercept)	1.03	0.02	63.33	0.00
	Man	-0.36	0.03	-12.40	0.00
	Other/Undisclosed	-0.06	0.20	-0.32	0.75
healthcare_experience	(Intercept)	0.80	0.02	48.06	0.00
	Yes	0.33	0.03	11.70	0.00
cognitive_health	(Intercept)	0.95	0.01	68.49	0.00
	Below average	-0.46	0.05	-8.67	0.00
mental_health	(Intercept)	0.96	0.01	66.14	0.00
	Below average	-0.26	0.04	-6.77	0.00
illness_experience	(Intercept)	0.98	0.02	55.61	0.00
	Yes	-0.13	0.03	-4.76	0.00
brain_disease_caregiver	(Intercept)	0.85	0.02	46.89	0.00
	Yes	0.17	0.03	6.29	0.00
brain_research_participation	(Intercept)	0.90	0.02	51.08	0.00
	Yes	0.04	0.03	1.59	0.11
relationship	(Intercept)	0.94	0.02	46.61	0.00
	Stable	-0.04	0.03	-1.41	0.16

## 1.2.5 Question 1: binary - Physical environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	0.84	0.02	43.31	0.00
age	41-60	0.23	0.03	7.59	0.00
	<= 40	0.09	0.04	2.42	0.02
education	(Intercept)	0.92	0.02	56.95	0.00
	Lower	0.06	0.03	1.90	0.06
gender	(Intercept)	0.98	0.02	60.95	0.00
	Man	-0.15	0.03	-5.16	0.00
	Other/Undisclosed	0.27	0.21	1.27	0.20
healthcare_experience	(Intercept)	0.87	0.02	51.54	0.00
	Yes	0.17	0.03	6.27	0.00
cognitive_health	(Intercept)	0.95	0.01	68.45	0.00
	Below average	-0.23	0.05	-4.22	0.00
mental_health	(Intercept)	0.95	0.01	65.66	0.00
	Below average	-0.09	0.04	-2.29	0.02
illness_experience	(Intercept)	0.88	0.02	51.40	0.00
	Yes	0.13	0.03	4.88	0.00
brain_disease_caregiver	(Intercept)	0.92	0.02	50.32	0.00
	Yes	0.03	0.03	1.25	0.21
brain_research_participation	(Intercept)	0.93	0.02	52.21	0.00
	Yes	0.02	0.03	0.65	0.52
relationship	(Intercept)	0.97	0.02	47.76	0.00
	Stable	-0.07	0.03	-2.46	0.01

## 1.2.6 Question 1: binary - Life goals

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.06	0.02	52.30	0.00
age	41-60	-0.05	0.03	-1.73	0.08
	<= 40	-0.34	0.04	-9.10	0.00
education	(Intercept)	1.00	0.02	61.07	0.00
	Lower	-0.06	0.03	-2.21	0.03
gender	(Intercept)	1.02	0.02	62.87	0.00
	Man	-0.12	0.03	-4.00	0.00
	Other/Undisclosed	-0.13	0.20	-0.66	0.51
healthcare_experience	(Intercept)	0.89	0.02	52.63	0.00
	Yes	0.24	0.03	8.66	0.00
cognitive_health	(Intercept)	0.99	0.01	70.68	0.00
	Below average	-0.10	0.06	-1.75	0.08
mental_health	(Intercept)	1.01	0.01	69.23	0.00
	Below average	-0.22	0.04	-5.74	0.00
illness_experience	(Intercept)	0.97	0.02	55.48	0.00
	Yes	0.03	0.03	1.12	0.26
brain_disease_caregiver	(Intercept)	1.00	0.02	53.83	0.00
	Yes	-0.04	0.03	-1.44	0.15
brain_research_participation	(Intercept)	1.05	0.02	57.29	0.00
	Yes	-0.14	0.03	-5.19	0.00
relationship	(Intercept)	0.98	0.02	47.91	0.00
	Stable	0.01	0.03	0.45	0.65

## 1.2.7 Question 1: binary - Social environment

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.38	0.02	62.38	0.00
age	41-60	0.29	0.03	8.18	0.00
	<= 40	0.55	0.05	10.93	0.00
education	(Intercept)	1.63	0.02	82.78	0.00
	Lower	-0.18	0.03	-5.46	0.00
gender	(Intercept)	1.66	0.02	85.12	0.00
	Man	-0.32	0.03	-9.48	0.00
	Other/Undisclosed	0.58	0.30	1.91	0.06
healthcare_experience	(Intercept)	1.43	0.02	73.23	0.00
	Yes	0.39	0.03	11.55	0.00
cognitive_health	(Intercept)	1.59	0.02	95.96	0.00
	Below average	-0.41	0.06	-6.76	0.00
mental_health	(Intercept)	1.56	0.02	91.36	0.00
	Below average	0.03	0.05	0.62	0.53
illness_experience	(Intercept)	1.59	0.02	76.29	0.00
	Yes	-0.05	0.03	-1.55	0.12
brain_disease_caregiver	(Intercept)	1.55	0.02	71.32	0.00
	Yes	0.04	0.03	1.41	0.16
brain_research_participation	(Intercept)	1.60	0.02	74.70	0.00
	Yes	-0.07	0.03	-2.32	0.02
relationship	(Intercept)	1.58	0.02	65.50	0.00
	Stable	-0.03	0.03	-0.86	0.39

## 1.2.8 Question 1: binary - Sleeping habits

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.36	0.02	61.79	0.00
age	41-60	0.72	0.04	18.89	0.00
	<= 40	1.02	0.06	17.61	0.00
education	(Intercept)	1.80	0.02	86.24	0.00
	Lower	-0.18	0.04	-5.11	0.00
gender	(Intercept)	1.86	0.02	88.80	0.00
	Man	-0.39	0.04	-10.87	0.00
	Other/Undisclosed	0.08	0.27	0.29	0.78
healthcare_experience	(Intercept)	1.63	0.02	78.39	0.00
	Yes	0.30	0.04	8.36	0.00
cognitive_health	(Intercept)	1.74	0.02	99.75	0.00
	Below average	-0.08	0.07	-1.21	0.23
mental_health	(Intercept)	1.70	0.02	95.01	0.00
	Below average	0.29	0.05	5.28	0.00
illness_experience	(Intercept)	1.69	0.02	78.50	0.00
	Yes	0.12	0.03	3.39	0.00
brain_disease_caregiver	(Intercept)	1.77	0.02	75.60	0.00
	Yes	-0.06	0.03	-1.68	0.09
brain_research_participation	(Intercept)	1.90	0.02	79.81	0.00
	Yes	-0.34	0.03	-10.04	0.00
relationship	(Intercept)	1.86	0.03	69.87	0.00
	Stable	-0.21	0.03	-6.01	0.00

## 1.2.9 Question 1: binary - Physical health

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.87	0.03	71.58	0.00
age	41-60	0.13	0.04	3.28	0.00
	<= 40	0.16	0.05	2.97	0.00
education	(Intercept)	2.05	0.02	89.45	0.00
	Lower	-0.31	0.04	-8.30	0.00
gender	(Intercept)	2.02	0.02	90.79	0.00
	Man	-0.26	0.04	-6.75	0.00
	Other/Undisclosed	-0.29	0.25	-1.14	0.25
healthcare_experience	(Intercept)	1.79	0.02	81.42	0.00
	Yes	0.43	0.04	10.86	0.00
cognitive_health	(Intercept)	1.98	0.02	103.89	0.00
	Below average	-0.58	0.06	-8.95	0.00
mental_health	(Intercept)	1.98	0.02	99.84	0.00
	Below average	-0.29	0.05	-5.84	0.00
illness_experience	(Intercept)	2.02	0.02	83.15	0.00
	Yes	-0.19	0.04	-5.27	0.00
brain_disease_caregiver	(Intercept)	1.90	0.02	77.40	0.00
	Yes	0.10	0.04	2.75	0.01
brain_research_participation	(Intercept)	1.92	0.02	80.03	0.00
	Yes	0.05	0.04	1.46	0.14
relationship	(Intercept)	1.90	0.03	70.39	0.00
	Stable	0.07	0.04	1.84	0.07

## 1.2.10 Question 1: binary - Genetics

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.62	0.02	67.72	0.00
age	41-60	0.01	0.04	0.27	0.79
	<= 40	-0.43	0.04	-10.19	0.00
education	(Intercept)	1.56	0.02	81.15	0.00
	Lower	-0.06	0.03	-1.67	0.09
gender	(Intercept)	1.61	0.02	84.01	0.00
	Man	-0.23	0.03	-6.74	0.00
	Other/Undisclosed	-0.77	0.20	-3.97	0.00
healthcare_experience	(Intercept)	1.50	0.02	75.21	0.00
	Yes	0.12	0.03	3.52	0.00
cognitive_health	(Intercept)	1.55	0.02	94.77	0.00
	Below average	-0.19	0.06	-2.94	0.00
mental_health	(Intercept)	1.54	0.02	90.69	0.00
	Below average	0.01	0.05	0.27	0.79
illness_experience	(Intercept)	1.52	0.02	74.65	0.00
	Yes	0.06	0.03	1.74	0.08
brain_disease_caregiver	(Intercept)	1.37	0.02	66.76	0.00
	Yes	0.39	0.03	12.18	0.00
brain_research_participation	(Intercept)	1.45	0.02	71.10	0.00
	Yes	0.22	0.03	6.69	0.00
relationship	(Intercept)	1.44	0.02	62.39	0.00
	Stable	0.18	0.03	5.83	0.00

## 1.2.11 Question 1: binary - Substance use

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.26	0.03	74.47	0.00
age	41-60	0.53	0.05	10.25	0.00
	<= 40	0.36	0.07	5.35	0.00
education	(Intercept)	2.59	0.03	90.65	0.00
	Lower	-0.28	0.05	-6.03	0.00
gender	(Intercept)	2.63	0.03	92.09	0.00
	Man	-0.42	0.05	-8.88	0.00
	Other/Undisclosed	-0.83	0.26	-3.24	0.00
healthcare_experience	(Intercept)	2.35	0.03	86.09	0.00
	Yes	0.41	0.05	8.25	0.00
cognitive_health	(Intercept)	2.54	0.02	106.27	0.00
	Below average	-0.63	0.08	-8.13	0.00
mental_health	(Intercept)	2.51	0.02	102.24	0.00
	Below average	-0.13	0.06	-1.95	0.05
illness_experience	(Intercept)	2.58	0.03	84.53	0.00
	Yes	-0.21	0.05	-4.59	0.00
brain_disease_caregiver	(Intercept)	2.44	0.03	80.36	0.00
	Yes	0.12	0.05	2.66	0.01
brain_research_participation	(Intercept)	2.49	0.03	82.75	0.00
	Yes	0.00	0.05	0.09	0.93
relationship	(Intercept)	2.45	0.03	72.93	0.00
	Stable	0.08	0.05	1.78	0.08

### 1.3 ordinal



## 1.3.1 Question 1: ordinal - Income

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.04	0.02	1.54	coefficient
	<= 40	0.28	0.03	8.59	coefficient
	Very strong Strong	-2.67	0.03	-96.49	scale
	Strong Moderate	-0.53	0.02	-30.55	scale
	Moderate Weak	1.47	0.02	75.45	scale
	Weak No influence	3.26	0.03	97.40	scale
education	Lower	-0.09	0.02	-3.53	coefficient
	Very strong Strong	-2.75	0.03	-104.63	scale
	Strong Moderate	-0.61	0.01	-41.51	scale
	Moderate Weak	1.38	0.02	82.24	scale
	Weak No influence	3.17	0.03	99.42	scale
gender	Man	0.12	0.02	4.63	coefficient
	Other/Undisclosed	-0.18	0.17	-1.02	coefficient
	Very strong Strong	-2.69	0.03	-103.57	scale
	Strong Moderate	-0.55	0.01	-38.47	scale
	Moderate Weak	1.44	0.02	85.65	scale
	Weak No influence	3.23	0.03	101.07	scale
healthcare_experience	Yes	-0.29	0.02	-12.49	coefficient
	Very strong Strong	-2.84	0.03	-105.35	scale
	Strong Moderate	-0.70	0.02	-44.58	scale
	Moderate Weak	1.30	0.02	75.45	scale
	Weak No influence	3.09	0.03	96.52	scale
cognitive_health	Below average	0.10	0.05	2.11	coefficient
	Very strong Strong	-2.72	0.03	-107.62	scale
	Strong Moderate	-0.58	0.01	-44.84	scale
	Moderate Weak	1.42	0.02	91.57	scale
	Weak No influence	3.20	0.03	102.60	scale
mental_health	Below average	0.06	0.03	1.68	coefficient
	Very strong Strong	-2.72	0.03	-106.70	scale
	Strong Moderate	-0.58	0.01	-43.37	scale
	Moderate Weak	1.42	0.02	89.62	scale
	Weak No influence	3.20	0.03	102.06	scale
illness_experience	Yes	-0.12	0.02	-5.38	coefficient
	Very strong Strong	-2.77	0.03	-103.25	scale
	Strong Moderate	-0.63	0.02	-40.50	scale
	Moderate Weak	1.36	0.02	77.59	scale
	Weak No influence	3.15	0.03	97.60	scale
brain_disease_caregiver	Yes	-0.04	0.02	-1.64	coefficient
	Very strong Strong	-2.74	0.03	-100.65	scale
	Strong Moderate	-0.60	0.02	-36.65	scale
	Moderate Weak	1.39	0.02	75.87	scale
	Weak No influence	3.18	0.03	97.19	scale
	Yes	-0.05	0.02	-2.08	coefficient



## 1.3.2 Question 1: ordinal - Profession

fct	term	estimate	std.error	statistic	coef.type
	41-60	-0.17	0.02	-7.01	coefficient
	<= 40	-0.38	0.03	-11.75	coefficient
	Very strong Strong	-2.04	0.02	-92.50	scale
age	Strong Moderate	0.11	0.02	6.35	scale
	Moderate Weak	2.17	0.02	91.21	scale
	Weak No influence	3.75	0.04	85.03	scale
education	Lower	0.30	0.02	12.53	coefficient
	Very strong Strong	-1.82	0.02	-94.52	scale
	Strong Moderate	0.33	0.01	22.77	scale
	Moderate Weak	2.39	0.02	106.10	scale
	Weak No influence	3.97	0.04	91.30	scale
gender	Man	-0.14	0.02	-5.56	coefficient
	Other/Undisclosed	0.00	0.17	-0.01	coefficient
	Very strong Strong	-1.94	0.02	-99.89	scale
	Strong Moderate	0.19	0.01	13.84	scale
	Moderate Weak	2.25	0.02	102.78	scale
	Weak No influence	3.83	0.04	88.77	scale
healthcare_experience	Yes	-0.22	0.02	-9.65	coefficient
	Very strong Strong	-1.99	0.02	-98.03	scale
	Strong Moderate	0.15	0.02	9.79	scale
	Moderate Weak	2.20	0.02	98.33	scale
	Weak No influence	3.79	0.04	87.28	scale
cognitive_health	Below average	0.24	0.05	5.08	coefficient
	Very strong Strong	-1.89	0.02	-104.23	scale
	Strong Moderate	0.25	0.01	19.74	scale
	Moderate Weak	2.30	0.02	109.13	scale
	Weak No influence	3.89	0.04	90.82	scale
mental_health	Below average	0.10	0.03	3.13	coefficient
	Very strong Strong	-1.89	0.02	-102.62	scale
	Strong Moderate	0.25	0.01	19.05	scale
	Moderate Weak	2.30	0.02	107.74	scale
	Weak No influence	3.88	0.04	90.52	scale
illness_experience	Yes	0.05	0.02	2.17	coefficient
	Very strong Strong	-1.88	0.02	-93.76	scale
	Strong Moderate	0.25	0.02	16.56	scale
	Moderate Weak	2.31	0.02	101.00	scale
	Weak No influence	3.89	0.04	89.08	scale
brain_disease_caregiver	Yes	0.13	0.02	6.01	coefficient
	Very strong Strong	-1.84	0.02	-89.51	scale
	Strong Moderate	0.30	0.02	18.37	scale
	Moderate Weak	2.35	0.02	100.01	scale
	Weak No influence	3.93	0.04	89.36	scale
	Yes	0.15	0.02	6.56	coefficient



## 1.3.3 Question 1: ordinal - Education

fct	term	estimate	std.error	statistic	coef.type
age	41-60	0.04	0.02	1.78	coefficient
	<= 40	-0.23	0.03	-7.05	coefficient
	Very strong Strong	-1.57	0.02	-78.90	scale
	Strong Moderate	0.41	0.02	24.25	scale
	Moderate Weak	2.40	0.03	95.97	scale
	Weak No influence	4.09	0.05	83.03	scale
education	Lower	0.49	0.02	20.39	coefficient
	Very strong Strong	-1.41	0.02	-82.11	scale
	Strong Moderate	0.59	0.01	40.19	scale
	Moderate Weak	2.59	0.02	108.65	scale
	Weak No influence	4.29	0.05	87.97	scale
gender	Man	-0.10	0.02	-3.93	coefficient
	Other/Undisclosed	-0.15	0.17	-0.89	coefficient
	Very strong Strong	-1.57	0.02	-90.20	scale
	Strong Moderate	0.41	0.01	28.67	scale
	Moderate Weak	2.39	0.02	103.91	scale
	Weak No influence	4.08	0.05	84.51	scale
healthcare_experience	Yes	-0.30	0.02	-13.11	coefficient
	Very strong Strong	-1.67	0.02	-89.89	scale
	Strong Moderate	0.32	0.02	21.11	scale
	Moderate Weak	2.31	0.02	98.63	scale
	Weak No influence	4.00	0.05	82.61	scale
cognitive_health	Below average	0.41	0.05	8.71	coefficient
	Very strong Strong	-1.52	0.02	-95.08	scale
	Strong Moderate	0.46	0.01	36.06	scale
	Moderate Weak	2.45	0.02	109.73	scale
	Weak No influence	4.14	0.05	86.28	scale
mental_health	Below average	0.32	0.03	9.56	coefficient
	Very strong Strong	-1.51	0.02	-92.50	scale
	Strong Moderate	0.47	0.01	36.15	scale
	Moderate Weak	2.46	0.02	109.02	scale
	Weak No influence	4.15	0.05	86.39	scale
illness_experience	Yes	0.10	0.02	4.43	coefficient
	Very strong Strong	-1.51	0.02	-82.88	scale
	Strong Moderate	0.47	0.02	30.73	scale
	Moderate Weak	2.46	0.02	102.68	scale
	Weak No influence	4.15	0.05	85.13	scale
brain_disease_caregiver	Yes	0.10	0.02	4.28	coefficient
	Very strong Strong	-1.50	0.02	-79.77	scale
	Strong Moderate	0.48	0.02	29.47	scale
	Moderate Weak	2.46	0.02	100.62	scale
	Weak No influence	4.15	0.05	84.76	scale
	Yes	0.02	0.02	1.10	coefficient



## 1.3.4 Question 1: ordinal - Diet

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.42	0.02	-17.02	coefficient
	<= 40	-0.53	0.03	-16.22	coefficient
	Very strong Strong	-1.45	0.02	-73.97	scale
	Strong Moderate	0.69	0.02	38.82	scale
	Moderate Weak	2.84	0.03	91.06	scale
	Weak No influence	4.61	0.07	66.73	scale
education	Lower	0.24	0.02	9.83	coefficient
	Very strong Strong	-1.12	0.02	-69.89	scale
	Strong Moderate	1.00	0.02	64.10	scale
	Moderate Weak	3.15	0.03	103.15	scale
	Weak No influence	4.91	0.07	71.39	scale
gender	Man	0.30	0.03	12.07	coefficient
	Other/Undisclosed	-0.10	0.17	-0.60	coefficient
	Very strong Strong	-1.11	0.02	-70.49	scale
	Strong Moderate	1.01	0.02	65.61	scale
	Moderate Weak	3.16	0.03	103.75	scale
	Weak No influence	4.93	0.07	71.62	scale
healthcare_experience	Yes	-0.33	0.02	-14.24	coefficient
	Very strong Strong	-1.32	0.02	-76.47	scale
	Strong Moderate	0.80	0.02	50.56	scale
	Moderate Weak	2.95	0.03	97.17	scale
	Weak No influence	4.72	0.07	68.63	scale
cognitive_health	Below average	0.39	0.05	8.06	coefficient
	Very strong Strong	-1.17	0.01	-80.54	scale
	Strong Moderate	0.95	0.01	68.82	scale
	Moderate Weak	3.10	0.03	104.69	scale
	Weak No influence	4.86	0.07	71.06	scale
mental_health	Below average	0.20	0.03	5.93	coefficient
	Very strong Strong	-1.16	0.01	-78.30	scale
	Strong Moderate	0.95	0.01	67.03	scale
	Moderate Weak	3.10	0.03	104.07	scale
	Weak No influence	4.86	0.07	70.99	scale
illness_experience	Yes	0.10	0.02	4.22	coefficient
	Very strong Strong	-1.15	0.02	-68.03	scale
	Strong Moderate	0.96	0.02	58.79	scale
	Moderate Weak	3.11	0.03	100.68	scale
	Weak No influence	4.87	0.07	70.65	scale
brain_disease_caregiver	Yes	-0.16	0.02	-6.94	coefficient
	Very strong Strong	-1.26	0.02	-70.21	scale
	Strong Moderate	0.85	0.02	50.29	scale
	Moderate Weak	3.00	0.03	96.71	scale
	Weak No influence	4.76	0.07	69.01	scale
	Yes	-0.05	0.02	-1.99	coefficient



## 1.3.5 Question 1: ordinal - Physical environment

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.20	0.02	-8.20	coefficient
	<= 40	-0.13	0.03	-3.99	coefficient
	Very strong Strong	-1.17	0.02	-62.60	scale
	Strong Moderate	0.84	0.02	46.96	scale
	Moderate Weak	3.06	0.03	93.95	scale
	Weak No influence	5.48	0.10	55.39	scale
education	Lower	-0.06	0.02	-2.28	coefficient
	Very strong Strong	-1.09	0.02	-68.64	scale
	Strong Moderate	0.92	0.02	59.88	scale
	Moderate Weak	3.14	0.03	100.07	scale
	Weak No influence	5.55	0.10	56.38	scale
gender	Man	0.16	0.02	6.41	coefficient
	Other/Undisclosed	-0.29	0.17	-1.72	coefficient
	Very strong Strong	-1.03	0.02	-66.41	scale
	Strong Moderate	0.98	0.02	64.11	scale
	Moderate Weak	3.20	0.03	101.87	scale
	Weak No influence	5.62	0.10	57.01	scale
healthcare_experience	Yes	-0.19	0.02	-8.16	coefficient
	Very strong Strong	-1.14	0.02	-68.64	scale
	Strong Moderate	0.87	0.02	54.34	scale
	Moderate Weak	3.09	0.03	97.71	scale
	Weak No influence	5.50	0.10	55.82	scale
cognitive_health	Below average	0.19	0.05	3.84	coefficient
	Very strong Strong	-1.06	0.01	-75.12	scale
	Strong Moderate	0.95	0.01	68.97	scale
	Moderate Weak	3.17	0.03	103.33	scale
	Weak No influence	5.58	0.10	56.80	scale
mental_health	Below average	0.07	0.03	2.05	coefficient
	Very strong Strong	-1.06	0.01	-73.20	scale
	Strong Moderate	0.95	0.01	66.89	scale
	Moderate Weak	3.16	0.03	102.66	scale
	Weak No influence	5.58	0.10	56.74	scale
illness_experience	Yes	-0.13	0.02	-5.86	coefficient
	Very strong Strong	-1.12	0.02	-66.98	scale
	Strong Moderate	0.88	0.02	54.73	scale
	Moderate Weak	3.10	0.03	97.86	scale
	Weak No influence	5.52	0.10	55.96	scale
brain_disease_caregiver	Yes	-0.04	0.02	-1.69	coefficient
	Very strong Strong	-1.09	0.02	-62.46	scale
	Strong Moderate	0.92	0.02	54.10	scale
	Moderate Weak	3.14	0.03	97.48	scale
	Weak No influence	5.55	0.10	56.22	scale
	Yes	-0.02	0.02	-0.75	coefficient



## 1.3.6 Question 1: ordinal - Life goals

fct	term	estimate	std.error	statistic	coef.type
fct	41-60	-0.02	0.02	-0.88	coefficient
	<= 40	0.17	0.03	5.32	coefficient
	Very strong Strong	-1.01	0.02	-55.68	scale
age	Strong Moderate	1.00	0.02	55.54	scale
	Moderate Weak	2.92	0.03	98.26	scale
	Weak No influence	4.63	0.06	74.47	scale
education	Lower	0.08	0.02	3.26	coefficient
	Very strong Strong	-1.00	0.02	-64.24	scale
	Strong Moderate	1.01	0.02	64.62	scale
	Moderate Weak	2.93	0.03	103.62	scale
	Weak No influence	4.63	0.06	75.38	scale
gender	Man	0.13	0.02	5.35	coefficient
	Other/Undisclosed	-0.06	0.17	-0.35	coefficient
	Very strong Strong	-0.99	0.02	-64.50	scale
	Strong Moderate	1.02	0.02	66.35	scale
	Moderate Weak	2.94	0.03	104.41	scale
healthcare_experience	Weak No influence	4.65	0.06	75.65	scale
	Yes	-0.24	0.02	-10.53	coefficient
	Very strong Strong	-1.12	0.02	-67.64	scale
	Strong Moderate	0.89	0.02	55.81	scale
	Moderate Weak	2.81	0.03	99.32	scale
cognitive_health	Weak No influence	4.52	0.06	73.52	scale
	Below average	0.10	0.05	2.06	coefficient
	Very strong Strong	-1.02	0.01	-73.06	scale
	Strong Moderate	0.99	0.01	71.40	scale
	Moderate Weak	2.91	0.03	106.49	scale
mental_health	Weak No influence	4.61	0.06	75.60	scale
	Below average	0.11	0.03	3.12	coefficient
	Very strong Strong	-1.01	0.01	-70.80	scale
	Strong Moderate	1.00	0.01	70.04	scale
	Moderate Weak	2.92	0.03	105.90	scale
illness_experience	Weak No influence	4.62	0.06	75.60	scale
	Yes	-0.04	0.02	-1.74	coefficient
	Very strong Strong	-1.04	0.02	-63.01	scale
	Strong Moderate	0.97	0.02	59.31	scale
	Moderate Weak	2.89	0.03	100.89	scale
brain_disease_caregiver	Weak No influence	4.59	0.06	74.51	scale
	Yes	0.03	0.02	1.45	coefficient
	Very strong Strong	-1.01	0.02	-58.85	scale
	Strong Moderate	1.00	0.02	58.29	scale
	Moderate Weak	2.92	0.03	100.18	scale
brain_disease_caregiver	Weak No influence	4.62	0.06	74.73	scale
	Yes	0.15	0.02	6.60	coefficient



## 1.3.7 Question 1: ordinal - Social environment

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.31	0.03	-12.49	coefficient
	<= 40	-0.69	0.03	-20.60	coefficient
	Very strong Strong	-0.87	0.02	-47.81	scale
	Strong Moderate	1.36	0.02	69.53	scale
	Moderate Weak	3.53	0.04	85.29	scale
	Weak No influence	5.54	0.11	51.62	scale
education	Lower	0.14	0.02	5.87	coefficient
	Very strong Strong	-0.58	0.01	-39.71	scale
	Strong Moderate	1.61	0.02	90.26	scale
	Moderate Weak	3.78	0.04	92.66	scale
	Weak No influence	5.79	0.11	54.05	scale
gender	Man	0.26	0.03	10.44	coefficient
	Other/Undisclosed	-0.49	0.17	-2.88	coefficient
	Very strong Strong	-0.56	0.01	-38.71	scale
	Strong Moderate	1.64	0.02	92.34	scale
	Moderate Weak	3.82	0.04	93.46	scale
	Weak No influence	5.82	0.11	54.36	scale
healthcare_experience	Yes	-0.33	0.02	-14.11	coefficient
	Very strong Strong	-0.76	0.02	-47.99	scale
	Strong Moderate	1.45	0.02	80.46	scale
	Moderate Weak	3.62	0.04	88.81	scale
	Weak No influence	5.63	0.11	52.55	scale
cognitive_health	Below average	0.28	0.05	5.79	coefficient
	Very strong Strong	-0.61	0.01	-47.36	scale
	Strong Moderate	1.58	0.02	97.31	scale
	Moderate Weak	3.76	0.04	93.54	scale
	Weak No influence	5.76	0.11	53.92	scale
mental_health	Below average	-0.12	0.03	-3.44	coefficient
	Very strong Strong	-0.64	0.01	-47.92	scale
	Strong Moderate	1.55	0.02	94.06	scale
	Moderate Weak	3.72	0.04	92.56	scale
	Weak No influence	5.73	0.11	53.59	scale
illness_experience	Yes	0.04	0.02	1.55	coefficient
	Very strong Strong	-0.61	0.02	-39.10	scale
	Strong Moderate	1.58	0.02	85.29	scale
	Moderate Weak	3.75	0.04	91.26	scale
	Weak No influence	5.76	0.11	53.69	scale
brain_disease_caregiver	Yes	-0.02	0.02	-0.99	coefficient
	Very strong Strong	-0.64	0.02	-38.63	scale
	Strong Moderate	1.56	0.02	81.28	scale
	Moderate Weak	3.73	0.04	90.09	scale
	Weak No influence	5.73	0.11	53.41	scale
	Yes	0.10	0.02	4.47	coefficient



## 1.3.8 Question 1: ordinal - Sleeping habits

fct	term	estimate	std.error	statistic	coef.type
	41-60	-0.74	0.03	-28.81	coefficient
	<= 40	-1.14	0.03	-33.41	coefficient
	Very strong Strong	-1.07	0.02	-56.79	scale
age	Strong Moderate	1.35	0.02	67.92	scale
	Moderate Weak	3.69	0.05	77.33	scale
	Weak No influence	5.44	0.11	49.04	scale
education	Lower	0.15	0.02	6.24	coefficient
	Very strong Strong	-0.53	0.01	-36.39	scale
	Strong Moderate	1.79	0.02	95.26	scale
	Moderate Weak	4.11	0.05	86.58	scale
	Weak No influence	5.86	0.11	52.86	scale
gender	Man	0.32	0.03	12.44	coefficient
	Other/Undisclosed	-0.14	0.17	-0.85	coefficient
	Very strong Strong	-0.50	0.01	-34.50	scale
	Strong Moderate	1.84	0.02	97.66	scale
	Moderate Weak	4.16	0.05	87.53	scale
healthcare_experience	Weak No influence	5.91	0.11	53.29	scale
	Yes	-0.27	0.02	-11.54	coefficient
	Very strong Strong	-0.69	0.02	-43.78	scale
	Strong Moderate	1.64	0.02	86.84	scale
	Moderate Weak	3.97	0.05	83.53	scale
cognitive_health	Weak No influence	5.71	0.11	51.54	scale
	Below average	-0.13	0.05	-2.56	coefficient
	Very strong Strong	-0.59	0.01	-45.60	scale
	Strong Moderate	1.73	0.02	101.12	scale
	Moderate Weak	4.05	0.05	86.56	scale
mental_health	Weak No influence	5.80	0.11	52.47	scale
	Below average	-0.33	0.03	-9.68	coefficient
	Very strong Strong	-0.63	0.01	-46.59	scale
	Strong Moderate	1.70	0.02	97.95	scale
	Moderate Weak	4.02	0.05	85.77	scale
illness_experience	Weak No influence	5.77	0.11	52.17	scale
	Yes	-0.11	0.02	-4.68	coefficient
	Very strong Strong	-0.63	0.02	-39.62	scale
	Strong Moderate	1.70	0.02	88.30	scale
	Moderate Weak	4.02	0.05	84.40	scale
brain_disease_caregiver	Weak No influence	5.77	0.11	51.99	scale
	Yes	0.10	0.02	4.43	coefficient
	Very strong Strong	-0.53	0.02	-32.47	scale
	Strong Moderate	1.79	0.02	88.46	scale
	Moderate Weak	4.11	0.05	85.51	scale
	Weak No influence	5.86	0.11	52.72	scale
	Yes	0.32	0.02	13.94	coefficient



## 1.3.9 Question 1: ordinal - Physical health

fct	term	estimate	std.error	statistic	coef.type
fct	41-60	-0.20	0.03	-7.91	coefficient
	<= 40	-0.27	0.03	-8.06	coefficient
	Very strong Strong	-0.67	0.02	-37.75	scale
age	Strong Moderate	1.83	0.02	84.28	scale
	Moderate Weak	4.04	0.05	80.42	scale
	Weak No influence	5.95	0.13	47.31	scale
education	Lower	0.31	0.03	12.46	coefficient
	Very strong Strong	-0.46	0.01	-31.42	scale
	Strong Moderate	2.05	0.02	101.07	scale
	Moderate Weak	4.26	0.05	85.72	scale
	Weak No influence	6.17	0.13	49.15	scale
gender	Man	0.17	0.03	6.76	coefficient
	Other/Undisclosed	-0.01	0.17	-0.07	coefficient
	Very strong Strong	-0.51	0.01	-35.05	scale
	Strong Moderate	1.99	0.02	100.46	scale
	Moderate Weak	4.20	0.05	84.92	scale
	Weak No influence	6.11	0.13	48.73	scale
healthcare_experience	Yes	-0.33	0.02	-13.88	coefficient
	Very strong Strong	-0.69	0.02	-43.32	scale
	Strong Moderate	1.82	0.02	91.10	scale
	Moderate Weak	4.03	0.05	81.55	scale
	Weak No influence	5.94	0.13	47.40	scale
cognitive_health	Below average	0.41	0.05	8.22	coefficient
	Very strong Strong	-0.53	0.01	-41.47	scale
	Strong Moderate	1.97	0.02	105.97	scale
	Moderate Weak	4.18	0.05	85.31	scale
	Weak No influence	6.09	0.13	48.63	scale
mental_health	Below average	0.19	0.03	5.38	coefficient
	Very strong Strong	-0.53	0.01	-39.99	scale
	Strong Moderate	1.97	0.02	104.22	scale
	Moderate Weak	4.18	0.05	85.07	scale
	Weak No influence	6.09	0.13	48.59	scale
illness_experience	Yes	0.13	0.02	5.53	coefficient
	Very strong Strong	-0.50	0.02	-32.13	scale
	Strong Moderate	2.00	0.02	96.25	scale
	Moderate Weak	4.20	0.05	84.34	scale
	Weak No influence	6.11	0.13	48.69	scale
brain_disease_caregiver	Yes	-0.12	0.02	-5.03	coefficient
	Very strong Strong	-0.61	0.02	-36.60	scale
	Strong Moderate	1.89	0.02	89.99	scale
	Moderate Weak	4.10	0.05	82.10	scale
	Weak No influence	6.01	0.13	47.83	scale
	Yes	-0.06	0.02	-2.39	coefficient



## 1.3.10 Question 1: ordinal - Genetics

fct	term	estimate	std.error	statistic	coef.type
	41-60	-0.06	0.02	-2.43	coefficient
	<= 40	0.26	0.03	8.02	coefficient
	Very strong Strong	-0.48	0.02	-27.58	scale
age	Strong Moderate	1.56	0.02	78.11	scale
	Moderate Weak	3.74	0.04	90.21	scale
	Weak No influence	5.52	0.10	58.01	scale
education	Lower	0.04	0.02	1.68	coefficient
	Very strong Strong	-0.48	0.01	-33.17	scale
	Strong Moderate	1.55	0.02	88.31	scale
	Moderate Weak	3.72	0.04	92.50	scale
	Weak No influence	5.50	0.09	58.18	scale
gender	Man	0.20	0.03	8.11	coefficient
	Other/Undisclosed	0.72	0.17	4.28	coefficient
	Very strong Strong	-0.44	0.01	-30.60	scale
	Strong Moderate	1.61	0.02	91.27	scale
	Moderate Weak	3.78	0.04	93.72	scale
healthcare_experience	Weak No influence	5.56	0.09	58.73	scale
	Yes	-0.08	0.02	-3.46	coefficient
	Very strong Strong	-0.53	0.02	-34.26	scale
	Strong Moderate	1.51	0.02	83.44	scale
	Moderate Weak	3.68	0.04	90.99	scale
cognitive_health	Weak No influence	5.46	0.09	57.67	scale
	Below average	0.07	0.05	1.43	coefficient
	Very strong Strong	-0.49	0.01	-38.60	scale
	Strong Moderate	1.55	0.02	96.07	scale
	Moderate Weak	3.71	0.04	93.77	scale
mental_health	Weak No influence	5.49	0.09	58.25	scale
	Below average	-0.07	0.03	-1.98	coefficient
	Very strong Strong	-0.50	0.01	-38.23	scale
	Strong Moderate	1.53	0.02	93.54	scale
	Moderate Weak	3.70	0.04	93.19	scale
illness_experience	Weak No influence	5.48	0.09	58.09	scale
	Yes	-0.06	0.02	-2.63	coefficient
	Very strong Strong	-0.52	0.02	-33.45	scale
	Strong Moderate	1.52	0.02	83.06	scale
	Moderate Weak	3.69	0.04	90.97	scale
brain_disease_caregiver	Weak No influence	5.47	0.09	57.72	scale
	Yes	-0.33	0.02	-14.68	coefficient
	Very strong Strong	-0.66	0.02	-39.48	scale
	Strong Moderate	1.39	0.02	74.82	scale
	Moderate Weak	3.57	0.04	87.86	scale
	Weak No influence	5.35	0.09	56.45	scale
	Yes	-0.18	0.02	-7.88	coefficient



## 1.3.11 Question 1: ordinal - Substance use

fct	term	estimate	std.error	statistic	coef.type
fct	41-60	-0.39	0.03	-14.67	coefficient
	<= 40	-0.34	0.04	-9.72	coefficient
	Very strong Strong	0.24	0.02	13.80	scale
age	Strong Moderate	2.30	0.03	90.13	scale
	Moderate Weak	3.83	0.05	81.10	scale
	Weak No influence	4.46	0.06	70.54	scale
education	Lower	0.09	0.03	3.35	coefficient
	Very strong Strong	0.47	0.01	31.82	scale
	Strong Moderate	2.52	0.02	104.15	scale
	Moderate Weak	4.05	0.05	86.84	scale
	Weak No influence	4.68	0.06	74.48	scale
gender	Man	0.29	0.03	10.73	coefficient
	Other/Undisclosed	0.43	0.18	2.47	coefficient
	Very strong Strong	0.53	0.01	35.98	scale
	Strong Moderate	2.58	0.02	106.26	scale
	Moderate Weak	4.11	0.05	88.06	scale
healthcare_experience	Weak No influence	4.74	0.06	75.43	scale
	Yes	-0.28	0.03	-10.92	coefficient
	Very strong Strong	0.34	0.02	21.93	scale
	Strong Moderate	2.39	0.02	98.36	scale
	Moderate Weak	3.92	0.05	84.11	scale
cognitive_health	Weak No influence	4.55	0.06	72.47	scale
	Below average	0.37	0.05	7.45	coefficient
	Very strong Strong	0.47	0.01	36.63	scale
	Strong Moderate	2.52	0.02	109.46	scale
	Moderate Weak	4.05	0.05	87.95	scale
mental_health	Weak No influence	4.67	0.06	75.00	scale
	Below average	0.07	0.04	1.99	coefficient
	Very strong Strong	0.45	0.01	34.30	scale
	Strong Moderate	2.50	0.02	107.73	scale
	Moderate Weak	4.03	0.05	87.40	scale
illness_experience	Weak No influence	4.66	0.06	74.64	scale
	Yes	0.09	0.02	3.69	coefficient
	Very strong Strong	0.48	0.02	30.25	scale
	Strong Moderate	2.53	0.02	101.57	scale
	Moderate Weak	4.06	0.05	86.36	scale
brain_disease_caregiver	Weak No influence	4.68	0.06	74.31	scale
	Yes	0.00	0.02	0.08	coefficient
	Very strong Strong	0.45	0.02	26.55	scale
	Strong Moderate	2.49	0.03	98.15	scale
	Moderate Weak	4.02	0.05	85.15	scale
50	Weak No influence	4.65	0.06	73.53	scale
	Yes	0.07	0.02	2.85	coefficient

#### 1.4 bin\_vs\_cont

## 1.4.1 Question 1: bin\_vs\_cont - Income

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	-0.02	0.03	-0.87	0.38	41-60	0.02
age	<= 40	-0.21	0.04	-5.81	0.00	<= 40	0.13
education	Lower	0.10	0.03	3.86	0.00	Lower	-0.03
	Man	-0.05	0.03	-1.88	0.06	Man	0.06
gender	Other/Undisclosed	0.17	0.18	0.93	0.35	Other/Undisclosed	-0.10
healthcare_experience	Yes	0.27	0.03	10.31	0.00	Yes	-0.14
illness_experience	Yes	0.14	0.03	5.57	0.00	Yes	-0.06
brain_disease_caregiver	Yes	0.04	0.03	1.58	0.11	Yes	-0.02
brain_research_participation	Yes	0.05	0.03	2.11	0.03	Yes	-0.02

## 1.4.2 Question 1: bin\_vs\_cont - Profession

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
age	41-60	0.15	0.03	5.61	0.00	41-60	-0.09
	<= 40	0.29	0.04	8.08	0.00	<= 40	-0.19
education	Lower	-0.28	0.03	-10.78	0.00	Lower	0.15
gender	Man	0.17	0.03	6.11	0.00	Man	-0.05
	Other/Undisclosed	-0.01	0.18	-0.07	0.95	Other/Undisclosed	0.01
healthcare_experience	Yes	0.20	0.03	8.10	0.00	Yes	-0.11
cognitive_health	Below average	-0.20	0.05	-3.92	0.00	Below average	0.14
mental_health	Below average	-0.13	0.04	-3.69	0.00	Below average	0.05
illness_experience	Yes	-0.06	0.02	-2.38	0.02	Yes	0.03
brain_disease_caregiver	Yes	-0.12	0.02	-4.94	0.00	Yes	0.07
brain_research_participation	Yes	-0.14	0.02	-5.77	0.00	Yes	0.07
relationship	Stable	-0.02	0.02	-0.86	0.39	Stable	0.03

## 1.4.3 Question 1: bin\_vs\_cont - Education

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	-0.07	0.03	-2.57	0.01	41-60	0.02
age	<= 40	0.11	0.04	2.97	0.00	<= 40	-0.11
education	Lower	-0.48	0.03	-18.32	0.00	Lower	0.23
	Man	0.12	0.03	4.40	0.00	Man	-0.03
gender	Other/Undisclosed	0.20	0.19	1.09	0.28	Other/Undisclosed	-0.03
healthcare_experience	Yes	0.29	0.03	11.23	0.00	Yes	-0.15
cognitive_health	Below average	-0.39	0.05	-7.57	0.00	Below average	0.22
mental_health	Below average	-0.33	0.04	-9.05	0.00	Below average	0.15
illness_experience	Yes	-0.10	0.03	-4.03	0.00	Yes	0.05
brain_disease_caregiver	Yes	-0.08	0.02	-3.40	0.00	Yes	0.04
brain_research_participation	Yes	-0.02	0.02	-0.61	0.54	Yes	0.01

## 1.4.4 Question 1: bin\_vs\_cont - Diet

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont_std
	41-60	0.43	0.03	14.59	0.00	41-60	-0.19	
age	<= 40	0.47	0.04	11.71	0.00	<= 40	-0.24	
education	Lower	-0.24	0.03	-8.44	0.00	Lower	0.12	
gender	Man	-0.36	0.03	-12.40	0.00	Man	0.14	
healthcare_experience	Yes	0.33	0.03	11.70	0.00	Yes	-0.14	
cognitive_health	Below average	-0.46	0.05	-8.67	0.00	Below average	0.18	
mental_health	Below average	-0.26	0.04	-6.77	0.00	Below average	0.09	
illness_experience	Yes	-0.13	0.03	-4.76	0.00	Yes	0.05	
brain_disease_caregiver	Yes	0.17	0.03	6.29	0.00	Yes	-0.07	
brain_research_participation	Yes	0.04	0.03	1.59	0.11	Yes	-0.02	
relationship	Stable	-0.04	0.03	-1.41	0.16	Stable	0.03	

## 1.4.5 Question 1: bin\_vs\_cont - Physical environment

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	0.23	0.03	7.59	0.00	41-60	-0.09
age	<= 40	0.09	0.04	2.42	0.02	<= 40	-0.06
education	Lower	0.06	0.03	1.90	0.06	Lower	-0.02
	Man	-0.15	0.03	-5.16	0.00	Man	0.08
gender	Other/Undisclosed	0.27	0.21	1.27	0.20	Other/Undisclosed	-0.10
healthcare_experience	Yes	0.17	0.03	6.27	0.00	Yes	-0.08
cognitive_health	Below average	-0.23	0.05	-4.22	0.00	Below average	0.10
mental_health	Below average	-0.09	0.04	-2.29	0.02	Below average	0.03
illness_experience	Yes	0.13	0.03	4.88	0.00	Yes	-0.05
brain_disease_caregiver	Yes	0.03	0.03	1.25	0.21	Yes	-0.02
brain_research_participation	Yes	0.02	0.03	0.65	0.52	Yes	-0.01
relationship	Stable	-0.07	0.03	-2.46	0.01	Stable	0.04

## 1.4.6 Question 1: bin\_vs\_cont - Life goals

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
age	<= 40	-0.34	0.04	-9.10	0.00	<= 40	0.09
education	Lower	-0.06	0.03	-2.21	0.03	Lower	0.04
gender	Man	-0.12	0.03	-4.00	0.00	Man	0.07
	Other/Undisclosed	-0.13	0.20	-0.66	0.51	Other/Undisclosed	0.01
healthcare_experience	Yes	0.24	0.03	8.66	0.00	Yes	-0.11
cognitive_health	Below average	-0.10	0.06	-1.75	0.08	Below average	0.06
mental_health	Below average	-0.22	0.04	-5.74	0.00	Below average	0.07
illness_experience	Yes	0.03	0.03	1.12	0.26	Yes	-0.01
brain_disease_caregiver	Yes	-0.04	0.03	-1.44	0.15	Yes	0.02
brain_research_participation	Yes	-0.14	0.03	-5.19	0.00	Yes	0.06

**1.4.7 Question 1: bin\_vs\_cont - Social environment**

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
age	41-60	0.29	0.03	8.18	0.00	41-60	-0.13
	<= 40	0.55	0.05	10.93	0.00	<= 40	-0.26
education	Lower	-0.18	0.03	-5.46	0.00	Lower	0.06
gender	Man	-0.32	0.03	-9.48	0.00	Man	0.11
	Other/Undisclosed	0.58	0.30	1.91	0.06	Other/Undisclosed	-0.17
healthcare_experience	Yes	0.39	0.03	11.55	0.00	Yes	-0.14
cognitive_health	Below average	-0.41	0.06	-6.76	0.00	Below average	0.13
mental_health	Below average	0.03	0.05	0.62	0.53	Below average	-0.04
illness_experience	Yes	-0.05	0.03	-1.55	0.12	Yes	0.02
brain_disease_caregiver	Yes	0.04	0.03	1.41	0.16	Yes	-0.01
brain_research_participation	Yes	-0.07	0.03	-2.32	0.02	Yes	0.04
relationship	Stable	-0.03	0.03	-0.86	0.39	Stable	0.05

## 1.4.8 Question 1: bin\_vs\_cont - Sleeping habits

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	0.72	0.04	18.89	0.00	41-60	-0.28
age	<= 40	1.02	0.06	17.61	0.00	<= 40	-0.41
education	Lower	-0.18	0.04	-5.11	0.00	Lower	0.07
	Man	-0.39	0.04	-10.87	0.00	Man	0.13
gender	Other/Undisclosed	0.08	0.27	0.29	0.78	Other/Undisclosed	-0.04
healthcare_experience	Yes	0.30	0.04	8.36	0.00	Yes	-0.11
mental_health	Below average	0.29	0.05	5.28	0.00	Below average	-0.12
illness_experience	Yes	0.12	0.03	3.39	0.00	Yes	-0.04
brain_disease_caregiver	Yes	-0.06	0.03	-1.68	0.09	Yes	0.03
brain_research_participation	Yes	-0.34	0.03	-10.04	0.00	Yes	0.12
relationship	Stable	-0.21	0.03	-6.01	0.00	Stable	0.10

**1.4.9 Question 1: bin\_vs\_cont - Physical health**

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	0.13	0.04	3.28	0.00	41-60	-0.07
age	<= 40	0.16	0.05	2.97	0.00	<= 40	-0.09
education	Lower	-0.31	0.04	-8.30	0.00	Lower	0.12
	Man	-0.26	0.04	-6.75	0.00	Man	0.07
gender	Other/Undisclosed	-0.29	0.25	-1.14	0.25	Other/Undisclosed	0.01
healthcare_experience	Yes	0.43	0.04	10.86	0.00	Yes	-0.12
cognitive_health	Below average	-0.58	0.06	-8.95	0.00	Below average	0.16
mental_health	Below average	-0.29	0.05	-5.84	0.00	Below average	0.07
illness_experience	Yes	-0.19	0.04	-5.27	0.00	Yes	0.05
brain_disease_caregiver	Yes	0.10	0.04	2.75	0.01	Yes	-0.04
brain_research_participation	Yes	0.05	0.04	1.46	0.14	Yes	-0.02
relationship	Stable	0.07	0.04	1.84	0.07	Stable	-0.01

## 1.4.10 Question 1: bin\_vs\_cont - Genetics

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
age	41-60	0.01	0.04	0.27	0.79	41-60	-0.03
	<= 40	-0.43	0.04	-10.19	0.00	<= 40	0.12
education	Lower	-0.06	0.03	-1.67	0.09	Lower	0.03
gender	Man	-0.23	0.03	-6.74	0.00	Man	0.10
	Other/Undisclosed	-0.77	0.20	-3.97	0.00	Other/Undisclosed	0.32
healthcare_experience	Yes	0.12	0.03	3.52	0.00	Yes	-0.04
cognitive_health	Below average	-0.19	0.06	-2.94	0.00	Below average	0.05
mental_health	Below average	0.01	0.05	0.27	0.79	Below average	-0.02
illness_experience	Yes	0.06	0.03	1.74	0.08	Yes	-0.02
brain_disease_caregiver	Yes	0.39	0.03	12.18	0.00	Yes	-0.14
brain_research_participation	Yes	0.22	0.03	6.69	0.00	Yes	-0.08
relationship	Stable	0.18	0.03	5.83	0.00	Stable	-0.06

## 1.4.11 Question 1: bin\_vs\_cont - Substance use

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont
age	41-60	0.53	0.05	10.25	0.00	41-60	-0.14	
	<= 40	0.36	0.07	5.35	0.00	<= 40	-0.12	
education	Lower	-0.28	0.05	-6.03	0.00	Lower	0.06	
	Man	-0.42	0.05	-8.88	0.00	Man	0.11	
gender	Other/Undisclosed	-0.83	0.26	-3.24	0.00	Other/Undisclosed	0.18	
	Yes	0.41	0.05	8.25	0.00	Yes	-0.10	
healthcare_experience	Yes	0.41	0.05	8.25	0.00	Yes	-0.10	
cognitive_health	Below average	-0.63	0.08	-8.13	0.00	Below average	0.18	
mental_health	Below average	-0.13	0.06	-1.95	0.05	Below average	0.03	
illness_experience	Yes	-0.21	0.05	-4.59	0.00	Yes	0.05	
brain_disease_caregiver	Yes	0.12	0.05	2.66	0.01	Yes	-0.01	
relationship	Stable	0.08	0.05	1.78	0.08	Stable	-0.01	

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## 2 Question 2

### 2.1 continuous

## 2.1.1 Question 2: continuous - In the womb

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.75	0.01	229.55	0.00
age	41-60	-0.17	0.01	-14.54	0.00
	<= 40	-0.18	0.01	-12.24	0.00
education	(Intercept)	1.59	0.01	255.60	0.00
	Lower	0.22	0.01	19.76	0.00
gender	(Intercept)	1.60	0.01	261.42	0.00
	Man	0.22	0.01	18.76	0.00
	Other/Undisclosed	-0.03	0.08	-0.33	0.74
healthcare_experience	(Intercept)	1.75	0.01	266.42	0.00
	Yes	-0.24	0.01	-22.48	0.00
cognitive_health	(Intercept)	1.65	0.01	307.82	0.00
	Below average	0.20	0.02	9.35	0.00
mental_health	(Intercept)	1.66	0.01	297.07	0.00
	Below average	0.02	0.02	1.30	0.19
illness_experience	(Intercept)	1.66	0.01	246.58	0.00
	Yes	0.00	0.01	0.20	0.84
brain_disease_caregiver	(Intercept)	1.70	0.01	238.94	0.00
	Yes	-0.08	0.01	-7.59	0.00
brain_research_participation	(Intercept)	1.66	0.01	240.93	0.00
	Yes	0.00	0.01	-0.42	0.67
relationship	(Intercept)	1.67	0.01	213.16	0.00
	Stable	-0.01	0.01	-1.40	0.16

## 2.1.2 Question 2: continuous - Childhood

fct	term	estimate	std.error	statistic	p.value
age	(Intercept)	1.41	0.01	270.16	0.00
	41-60	-0.12	0.01	-15.09	0.00
	<= 40	-0.18	0.01	-17.75	0.00
education	(Intercept)	1.30	0.00	303.30	0.00
	Lower	0.11	0.01	14.84	0.00
gender	(Intercept)	1.31	0.00	310.74	0.00
	Man	0.09	0.01	11.39	0.00
	Other/Undisclosed	-0.04	0.05	-0.80	0.42
healthcare_experience	(Intercept)	1.38	0.00	304.28	0.00
	Yes	-0.11	0.01	-15.41	0.00
cognitive_health	(Intercept)	1.33	0.00	361.51	0.00
	Below average	0.12	0.02	7.83	0.00
mental_health	(Intercept)	1.34	0.00	349.73	0.00
	Below average	-0.02	0.01	-2.17	0.03
illness_experience	(Intercept)	1.34	0.00	288.97	0.00
	Yes	0.00	0.01	0.36	0.72
brain_disease_caregiver	(Intercept)	1.34	0.00	273.60	0.00
	Yes	0.00	0.01	0.41	0.68
brain_research_participation	(Intercept)	1.33	0.00	280.49	0.00
	Yes	0.02	0.01	2.64	0.01
relationship	(Intercept)	1.33	0.01	246.94	0.00
	Stable	0.02	0.01	2.31	0.02

## 2.1.3 Question 2: continuous - Adolescence

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.40	0.00	287.36	0.00
age	41-60	-0.10	0.01	-13.91	0.00
	<= 40	-0.16	0.01	-16.49	0.00
education	(Intercept)	1.32	0.00	328.12	0.00
	Lower	0.06	0.01	9.00	0.00
gender	(Intercept)	1.31	0.00	333.19	0.00
	Man	0.09	0.01	12.11	0.00
	Other/Undisclosed	-0.05	0.05	-0.94	0.35
healthcare_experience	(Intercept)	1.37	0.00	323.83	0.00
	Yes	-0.09	0.01	-13.28	0.00
cognitive_health	(Intercept)	1.33	0.00	387.89	0.00
	Below average	0.09	0.01	6.42	0.00
mental_health	(Intercept)	1.34	0.00	374.89	0.00
	Below average	-0.02	0.01	-2.32	0.02
illness_experience	(Intercept)	1.34	0.00	310.78	0.00
	Yes	-0.01	0.01	-1.19	0.24
brain_disease_caregiver	(Intercept)	1.34	0.00	294.08	0.00
	Yes	0.00	0.01	-0.66	0.51
brain_research_participation	(Intercept)	1.34	0.00	302.59	0.00
	Yes	0.00	0.01	-0.09	0.93
relationship	(Intercept)	1.32	0.01	263.81	0.00
	Stable	0.03	0.01	3.75	0.00

## 2.1.4 Question 2: continuous - Young adulthood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.49	0.01	285.79	0.00
age	41-60	-0.07	0.01	-9.61	0.00
	<= 40	-0.07	0.01	-7.29	0.00
education	(Intercept)	1.45	0.00	337.76	0.00
	Lower	0.01	0.01	1.85	0.06
gender	(Intercept)	1.42	0.00	337.97	0.00
	Man	0.12	0.01	15.84	0.00
	Other/Undisclosed	0.05	0.05	1.03	0.30
healthcare_experience	(Intercept)	1.49	0.00	329.23	0.00
	Yes	-0.09	0.01	-12.85	0.00
cognitive_health	(Intercept)	1.45	0.00	395.48	0.00
	Below average	0.05	0.01	3.67	0.00
mental_health	(Intercept)	1.45	0.00	380.63	0.00
	Below average	0.01	0.01	0.63	0.53
illness_experience	(Intercept)	1.47	0.00	318.65	0.00
	Yes	-0.03	0.01	-4.43	0.00
brain_disease_caregiver	(Intercept)	1.48	0.00	304.26	0.00
	Yes	-0.05	0.01	-7.39	0.00
brain_research_participation	(Intercept)	1.46	0.00	309.76	0.00
	Yes	-0.02	0.01	-2.78	0.01
relationship	(Intercept)	1.45	0.01	270.97	0.00
	Stable	0.00	0.01	0.67	0.51

## 2.1.5 Question 2: continuous - Middle age

fct	term	estimate	std.error	statistic	p.value
age	(Intercept)	1.44	0.01	282.09	0.00
	41-60	-0.10	0.01	-12.88	0.00
	<= 40	0.01	0.01	0.84	0.40
education	(Intercept)	1.40	0.00	333.55	0.00
	Lower	0.01	0.01	1.73	0.08
gender	(Intercept)	1.35	0.00	332.02	0.00
	Man	0.16	0.01	20.93	0.00
	Other/Undisclosed	0.17	0.05	3.23	0.00
healthcare_experience	(Intercept)	1.43	0.00	322.53	0.00
	Yes	-0.07	0.01	-9.33	0.00
cognitive_health	(Intercept)	1.40	0.00	390.51	0.00
	Below average	0.05	0.01	3.65	0.00
mental_health	(Intercept)	1.40	0.00	375.23	0.00
	Below average	0.02	0.01	2.40	0.02
illness_experience	(Intercept)	1.41	0.00	313.33	0.00
	Yes	-0.02	0.01	-2.48	0.01
brain_disease_caregiver	(Intercept)	1.44	0.00	304.92	0.00
	Yes	-0.09	0.01	-13.03	0.00
brain_research_participation	(Intercept)	1.41	0.00	306.87	0.00
	Yes	-0.03	0.01	-4.17	0.00
relationship	(Intercept)	1.41	0.01	269.94	0.00
	Stable	-0.02	0.01	-2.54	0.01

**2.1.6 Question 2: continuous - Old age**

fct	term	estimate	std.error	statistic	p.value
age	(Intercept)	1.31	0.00	263.47	0.00
	41-60	-0.01	0.01	-1.40	0.16
	<= 40	0.09	0.01	9.28	0.00
education	(Intercept)	1.30	0.00	320.45	0.00
	Lower	0.04	0.01	5.44	0.00
gender	(Intercept)	1.28	0.00	322.08	0.00
	Man	0.12	0.01	16.04	0.00
	Other/Undisclosed	0.17	0.05	3.32	0.00
healthcare_experience	(Intercept)	1.33	0.00	309.41	0.00
	Yes	-0.04	0.01	-5.57	0.00
cognitive_health	(Intercept)	1.31	0.00	377.50	0.00
	Below average	0.05	0.01	3.63	0.00
mental_health	(Intercept)	1.31	0.00	362.16	0.00
	Below average	0.04	0.01	4.24	0.00
illness_experience	(Intercept)	1.32	0.00	302.45	0.00
	Yes	-0.01	0.01	-1.63	0.10
brain_disease_caregiver	(Intercept)	1.35	0.00	292.30	0.00
	Yes	-0.06	0.01	-9.54	0.00
brain_research_participation	(Intercept)	1.34	0.00	298.67	0.00
	Yes	-0.05	0.01	-6.83	0.00
relationship	(Intercept)	1.33	0.01	261.80	0.00
	Stable	-0.02	0.01	-3.53	0.00

**2.2 binary**

## 2.2.1 Question 2: binary - In the womb

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.43	0.02	63.24	0.00
age	41-60	0.40	0.04	10.94	0.00
	<= 40	0.39	0.05	8.04	0.00
education	(Intercept)	1.82	0.02	86.26	0.00
	Lower	-0.52	0.03	-15.42	0.00
gender	(Intercept)	1.81	0.02	87.70	0.00
	Man	-0.54	0.03	-15.83	0.00
	Other/Undisclosed	0.04	0.26	0.15	0.88
healthcare_experience	(Intercept)	1.42	0.02	72.64	0.00
	Yes	0.65	0.04	17.78	0.00
cognitive_health	(Intercept)	1.67	0.02	97.64	0.00
	Below average	-0.51	0.06	-8.47	0.00
mental_health	(Intercept)	1.65	0.02	93.42	0.00
	Below average	-0.14	0.05	-3.00	0.00
illness_experience	(Intercept)	1.64	0.02	77.25	0.00
	Yes	-0.02	0.03	-0.65	0.52
brain_disease_caregiver	(Intercept)	1.53	0.02	70.58	0.00
	Yes	0.24	0.03	7.35	0.00
brain_research_participation	(Intercept)	1.65	0.02	75.48	0.00
	Yes	-0.03	0.03	-1.05	0.29
relationship	(Intercept)	1.60	0.02	65.62	0.00
	Stable	0.06	0.03	1.88	0.06

## 2.2.2 Question 2: binary - Childhood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.65	0.04	73.93	0.00
age	41-60	0.57	0.06	9.17	0.00
	<= 40	0.64	0.09	7.26	0.00
education	(Intercept)	3.13	0.04	86.00	0.00
	Lower	-0.56	0.06	-9.99	0.00
gender	(Intercept)	3.10	0.04	87.94	0.00
	Man	-0.52	0.06	-9.23	0.00
	Other/Undisclosed	-0.12	0.42	-0.28	0.78
healthcare_experience	(Intercept)	2.70	0.03	85.08	0.00
	Yes	0.72	0.06	11.26	0.00
cognitive_health	(Intercept)	2.97	0.03	102.68	0.00
	Below average	-0.58	0.09	-6.21	0.00
mental_health	(Intercept)	2.93	0.03	99.12	0.00
	Below average	-0.04	0.08	-0.46	0.65
illness_experience	(Intercept)	2.96	0.04	81.90	0.00
	Yes	-0.08	0.06	-1.48	0.14
brain_disease_caregiver	(Intercept)	2.92	0.04	77.91	0.00
	Yes	0.02	0.06	0.29	0.77
brain_research_participation	(Intercept)	2.96	0.04	79.93	0.00
	Yes	-0.07	0.06	-1.31	0.19
relationship	(Intercept)	2.98	0.04	70.24	0.00
	Stable	-0.10	0.06	-1.76	0.08

## 2.2.3 Question 2: binary - Adolescence

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.06	0.04	71.14	0.00
age	41-60	0.54	0.07	7.18	0.00
	<= 40	0.76	0.11	6.79	0.00
education	(Intercept)	3.49	0.04	81.21	0.00
	Lower	-0.40	0.07	-5.93	0.00
gender	(Intercept)	3.47	0.04	82.93	0.00
	Man	-0.39	0.07	-5.59	0.00
	Other/Undisclosed	-0.29	0.46	-0.64	0.52
healthcare_experience	(Intercept)	3.15	0.04	81.08	0.00
	Yes	0.58	0.08	7.74	0.00
cognitive_health	(Intercept)	3.40	0.04	96.48	0.00
	Below average	-0.69	0.11	-6.44	0.00
mental_health	(Intercept)	3.36	0.04	93.38	0.00
	Below average	-0.11	0.09	-1.16	0.25
illness_experience	(Intercept)	3.35	0.04	77.56	0.00
	Yes	-0.01	0.07	-0.12	0.91
brain_disease_caregiver	(Intercept)	3.34	0.05	73.49	0.00
	Yes	0.00	0.07	-0.02	0.98
brain_research_participation	(Intercept)	3.36	0.04	75.48	0.00
	Yes	-0.05	0.07	-0.68	0.50
relationship	(Intercept)	3.42	0.05	65.86	0.00
	Stable	-0.13	0.07	-1.96	0.05

## 2.2.4 Question 2: binary - Young adulthood

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.85	0.04	72.82	0.00
age	41-60	0.46	0.07	6.98	0.00
	<= 40	0.19	0.08	2.35	0.02
education	(Intercept)	3.02	0.03	87.28	0.00
	Lower	0.05	0.06	0.86	0.39
gender	(Intercept)	3.24	0.04	86.19	0.00
	Man	-0.58	0.06	-9.85	0.00
	Other/Undisclosed	-0.68	0.35	-1.96	0.05
healthcare_experience	(Intercept)	2.88	0.03	83.82	0.00
	Yes	0.47	0.06	7.38	0.00
cognitive_health	(Intercept)	3.07	0.03	101.50	0.00
	Below average	-0.42	0.10	-4.08	0.00
mental_health	(Intercept)	3.06	0.03	97.59	0.00
	Below average	-0.19	0.08	-2.36	0.02
illness_experience	(Intercept)	2.99	0.04	81.65	0.00
	Yes	0.12	0.06	2.07	0.04
brain_disease_caregiver	(Intercept)	2.94	0.04	77.70	0.00
	Yes	0.21	0.06	3.63	0.00
brain_research_participation	(Intercept)	3.06	0.04	78.97	0.00
	Yes	-0.04	0.06	-0.77	0.44
relationship	(Intercept)	3.00	0.04	70.12	0.00
	Stable	0.07	0.06	1.19	0.23

## 2.2.5 Question 2: binary - Middle age

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.01	0.04	71.66	0.00
age	41-60	0.52	0.07	7.17	0.00
	<= 40	-0.20	0.08	-2.57	0.01
education	(Intercept)	3.16	0.04	85.70	0.00
	Lower	-0.08	0.06	-1.20	0.23
gender	(Intercept)	3.48	0.04	82.85	0.00
	Man	-0.89	0.06	-14.53	0.00
	Other/Undisclosed	-1.41	0.29	-4.91	0.00
healthcare_experience	(Intercept)	2.99	0.04	82.84	0.00
	Yes	0.43	0.07	6.47	0.00
cognitive_health	(Intercept)	3.17	0.03	100.16	0.00
	Below average	-0.43	0.11	-3.98	0.00
mental_health	(Intercept)	3.19	0.03	95.93	0.00
	Below average	-0.36	0.08	-4.49	0.00
illness_experience	(Intercept)	3.09	0.04	80.68	0.00
	Yes	0.13	0.06	2.02	0.04
brain_disease_caregiver	(Intercept)	2.96	0.04	77.62	0.00
	Yes	0.43	0.06	6.89	0.00
brain_research_participation	(Intercept)	3.12	0.04	78.37	0.00
	Yes	0.04	0.06	0.73	0.46
relationship	(Intercept)	3.08	0.04	69.46	0.00
	Stable	0.11	0.06	1.79	0.07

**2.2.6 Question 2: binary - Old age**

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	3.23	0.05	69.57	0.00
age	41-60	0.17	0.07	2.35	0.02
	<= 40	-0.60	0.08	-7.93	0.00
education	(Intercept)	3.24	0.04	84.73	0.00
	Lower	-0.23	0.06	-3.60	0.00
gender	(Intercept)	3.50	0.04	82.59	0.00
	Man	-0.88	0.06	-14.25	0.00
	Other/Undisclosed	-1.05	0.33	-3.17	0.00
healthcare_experience	(Intercept)	3.04	0.04	82.38	0.00
	Yes	0.35	0.07	5.26	0.00
cognitive_health	(Intercept)	3.19	0.03	99.83	0.00
	Below average	-0.42	0.11	-3.87	0.00
mental_health	(Intercept)	3.23	0.03	95.43	0.00
	Below average	-0.43	0.08	-5.41	0.00
illness_experience	(Intercept)	3.12	0.04	80.34	0.00
	Yes	0.10	0.06	1.59	0.11
brain_disease_caregiver	(Intercept)	3.02	0.04	77.11	0.00
	Yes	0.34	0.06	5.48	0.00
brain_research_participation	(Intercept)	3.09	0.04	78.74	0.00
	Yes	0.19	0.06	2.97	0.00
relationship	(Intercept)	3.06	0.04	69.64	0.00
	Stable	0.19	0.06	3.09	0.00

**2.3 ordinal**



## 2.3.1 Question 2: ordinal - In the womb

fct	term	estimate	std.error	statistic	coef.type
	41-60	-0.36	0.03	-14.07	coefficient
	<= 40	-0.41	0.03	-11.92	coefficient
	Very important Important	-0.01	0.02	-0.53	scale
age	Important Moderately important	1.44	0.02	71.71	scale
	Moderately important Not important	2.82	0.03	91.71	scale
education	Lower	0.47	0.02	19.05	coefficient
	Very important Important	0.34	0.01	23.35	scale
	Important Moderately important	1.80	0.02	95.88	scale
	Moderately important Not important	3.18	0.03	105.37	scale
gender	Man	0.45	0.03	17.48	coefficient
	Other/Undisclosed	-0.04	0.18	-0.22	coefficient
	Very important Important	0.32	0.01	22.24	scale
	Important Moderately important	1.77	0.02	96.10	scale
	Moderately important Not important	3.15	0.03	105.21	scale
healthcare_experience	Yes	-0.53	0.02	-21.60	coefficient
	Very important Important	-0.01	0.02	-0.67	scale
	Important Moderately important	1.45	0.02	79.21	scale
	Moderately important Not important	2.83	0.03	95.62	scale
cognitive_health	Below average	0.39	0.05	8.04	coefficient
	Very important Important	0.22	0.01	17.21	scale
	Important Moderately important	1.66	0.02	99.22	scale
	Moderately important Not important	3.03	0.03	105.29	scale
mental_health	Below average	0.01	0.03	0.22	coefficient
	Very important Important	0.19	0.01	14.94	scale
	Important Moderately important	1.64	0.02	96.26	scale
	Moderately important Not important	3.01	0.03	103.92	scale
illness_experience	Yes	-0.02	0.02	-0.86	coefficient
	Very important Important	0.18	0.02	11.94	scale
	Important Moderately important	1.63	0.02	86.00	scale
	Moderately important Not important	3.00	0.03	99.60	scale
brain_disease_caregiver	Yes	-0.17	0.02	-7.15	coefficient
	Very important Important	0.11	0.02	7.04	scale
	Important Moderately important	1.56	0.02	80.16	scale
	Moderately important Not important	2.93	0.03	96.54	scale
brain_research_participation	Yes	-0.02	0.02	-0.83	coefficient
	Very important Important	0.18	0.02	11.65	scale
	Important Moderately important	1.63	0.02	84.53	scale
	Moderately important Not important	3.00	0.03	98.91	scale
relationship	Stable	-0.04	0.02	-1.75	coefficient
	Very important Important	0.17	0.02	9.50	scale
	Important Moderately important	1.61	0.02	77.14	scale
	Moderately important Not important	2.98	0.03	95.13	scale



## 2.3.2 Question 2: ordinal - Childhood

fct	term	estimate	std.error	statistic	coef.type
fct	41-60	-0.42	0.03	-14.34	coefficient
	<= 40	-0.75	0.04	-17.90	coefficient
age	Very important Important	0.67	0.02	35.65	scale
	Important Moderately important	2.68	0.03	89.23	scale
	Moderately important Not important	4.83	0.08	62.19	scale
	Lower	0.40	0.03	14.12	coefficient
education	Very important Important	1.06	0.02	63.85	scale
	Important Moderately important	3.07	0.03	104.07	scale
	Moderately important Not important	5.21	0.08	67.28	scale
	Man	0.30	0.03	10.27	coefficient
gender	Other/Undisclosed	-0.26	0.22	-1.18	coefficient
	Very important Important	1.02	0.02	62.99	scale
	Important Moderately important	3.02	0.03	103.70	scale
	Moderately important Not important	5.16	0.08	66.77	scale
healthcare_experience	Yes	-0.40	0.03	-14.30	coefficient
	Very important Important	0.78	0.02	47.14	scale
	Important Moderately important	2.79	0.03	96.22	scale
	Moderately important Not important	4.93	0.08	63.88	scale
cognitive_health	Below average	0.34	0.05	6.48	coefficient
	Very important Important	0.95	0.01	68.57	scale
	Important Moderately important	2.95	0.03	106.19	scale
	Moderately important Not important	5.09	0.08	66.32	scale
mental_health	Below average	-0.13	0.04	-3.18	coefficient
	Very important Important	0.91	0.01	63.83	scale
	Important Moderately important	2.91	0.03	104.24	scale
	Moderately important Not important	5.05	0.08	65.76	scale
illness_experience	Yes	-0.01	0.03	-0.38	coefficient
	Very important Important	0.93	0.02	53.62	scale
	Important Moderately important	2.92	0.03	98.86	scale
	Moderately important Not important	5.07	0.08	65.39	scale
brain_disease_caregiver	Yes	0.02	0.03	0.88	coefficient
	Very important Important	0.94	0.02	51.38	scale
	Important Moderately important	2.94	0.03	97.21	scale
	Moderately important Not important	5.08	0.08	65.38	scale
brain_research_participation	Yes	0.08	0.03	2.96	coefficient
	Very important Important	0.96	0.02	53.99	scale
	Important Moderately important	2.96	0.03	98.75	scale
	Moderately important Not important	5.11	0.08	65.76	scale
relationship	Stable	0.05	0.03	2.03	coefficient
	Very important Important	0.96	0.02	47.50	scale
	Important Moderately important	2.96	0.03	94.07	scale
	Moderately important Not important	5.10	0.08	65.22	scale



## 2.3.3 Question 2: ordinal - Adolescence

fct	term	estimate	std.error	statistic	coef.type
	41-60	-0.38	0.03	-13.32	coefficient
	<= 40	-0.66	0.04	-16.26	coefficient
	Very important Important	0.62	0.02	33.11	scale
age	Important Moderately important	3.12	0.04	88.13	scale
	Moderately important Not important	5.56	0.11	50.61	scale
education	Lower	0.23	0.03	8.34	coefficient
	Very important Important	0.93	0.02	57.62	scale
	Important Moderately important	3.42	0.03	98.66	scale
	Moderately important Not important	5.86	0.11	53.44	scale
gender	Man	0.34	0.03	12.01	coefficient
	Other/Undisclosed	-0.31	0.22	-1.43	coefficient
	Very important Important	0.95	0.02	59.87	scale
	Important Moderately important	3.45	0.03	99.56	scale
	Moderately important Not important	5.89	0.11	53.71	scale
healthcare_experience	Yes	-0.35	0.03	-12.77	coefficient
	Very important Important	0.72	0.02	44.12	scale
	Important Moderately important	3.22	0.03	93.38	scale
	Moderately important Not important	5.66	0.11	51.65	scale
cognitive_health	Below average	0.27	0.05	4.99	coefficient
	Very important Important	0.87	0.01	63.84	scale
	Important Moderately important	3.36	0.03	100.36	scale
	Moderately important Not important	5.80	0.11	53.07	scale
mental_health	Below average	-0.12	0.04	-3.07	coefficient
	Very important Important	0.84	0.01	59.49	scale
	Important Moderately important	3.33	0.03	99.00	scale
	Moderately important Not important	5.77	0.11	52.75	scale
illness_experience	Yes	-0.04	0.03	-1.55	coefficient
	Very important Important	0.84	0.02	49.34	scale
	Important Moderately important	3.33	0.03	95.27	scale
	Moderately important Not important	5.77	0.11	52.54	scale
brain_disease_caregiver	Yes	-0.02	0.03	-0.64	coefficient
	Very important Important	0.85	0.02	47.15	scale
	Important Moderately important	3.34	0.04	94.16	scale
	Moderately important Not important	5.78	0.11	52.54	scale
brain_research_participation	Yes	-0.01	0.03	-0.30	coefficient
	Very important Important	0.85	0.02	48.79	scale
	Important Moderately important	3.34	0.04	94.96	scale
	Moderately important Not important	5.78	0.11	52.62	scale
relationship	Stable	0.10	0.03	3.76	coefficient
	Very important Important	0.91	0.02	45.45	scale
	Important Moderately important	3.40	0.04	92.85	scale
	Moderately important Not important	5.84	0.11	52.94	scale



## 2.3.4 Question 2: ordinal - Young adulthood

fct	term	estimate	std.error	statistic	coef.type
fct	41-60	-0.24	0.03	-8.95	coefficient
	<= 40	-0.26	0.04	-7.34	coefficient
age	Very important Important	0.25	0.02	14.00	scale
	Important Moderately important	2.91	0.03	92.85	scale
	Moderately important Not important	6.22	0.14	42.91	scale
education	Lower	0.05	0.03	2.10	coefficient
	Very important Important	0.40	0.01	26.85	scale
	Important Moderately important	3.05	0.03	101.48	scale
	Moderately important Not important	6.36	0.14	43.97	scale
gender	Man	0.41	0.03	15.28	coefficient
	Other/Undisclosed	0.11	0.18	0.59	coefficient
	Very important Important	0.50	0.01	33.92	scale
	Important Moderately important	3.17	0.03	104.40	scale
	Moderately important Not important	6.48	0.14	44.75	scale
healthcare_experience	Yes	-0.32	0.03	-12.52	coefficient
	Very important Important	0.26	0.02	16.82	scale
	Important Moderately important	2.92	0.03	97.06	scale
	Moderately important Not important	6.24	0.14	43.08	scale
cognitive_health	Below average	0.15	0.05	3.02	coefficient
	Very important Important	0.39	0.01	30.73	scale
	Important Moderately important	3.05	0.03	104.72	scale
	Moderately important Not important	6.36	0.14	43.98	scale
mental_health	Below average	0.01	0.04	0.21	coefficient
	Very important Important	0.38	0.01	28.96	scale
	Important Moderately important	3.04	0.03	103.73	scale
	Moderately important Not important	6.35	0.14	43.91	scale
illness_experience	Yes	-0.11	0.02	-4.58	coefficient
	Very important Important	0.34	0.02	21.24	scale
	Important Moderately important	2.99	0.03	98.32	scale
	Moderately important Not important	6.30	0.14	43.52	scale
brain_disease_caregiver	Yes	-0.18	0.02	-7.39	coefficient
	Very important Important	0.30	0.02	17.92	scale
	Important Moderately important	2.96	0.03	96.03	scale
	Moderately important Not important	6.27	0.14	43.25	scale
brain_research_participation	Yes	-0.08	0.02	-3.25	coefficient
	Very important Important	0.35	0.02	21.43	scale
	Important Moderately important	3.00	0.03	97.93	scale
	Moderately important Not important	6.31	0.14	43.57	scale
relationship	Stable	0.03	0.02	1.06	coefficient
	Very important Important	0.40	0.02	21.44	scale
	Important Moderately important	3.05	0.03	95.27	scale
	Moderately important Not important	6.36	0.15	43.81	scale



## 2.3.5 Question 2: ordinal - Middle age

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.35	0.03	-12.69	coefficient
	<= 40	0.01	0.04	0.31	coefficient
	Very important Important	0.46	0.02	25.37	scale
	Important Moderately important	3.02	0.03	92.29	scale
education	Moderately important Not important	6.23	0.14	42.97	scale
	Lower	0.04	0.03	1.47	coefficient
	Very important Important	0.60	0.02	39.50	scale
	Important Moderately important	3.15	0.03	100.24	scale
gender	Moderately important Not important	6.36	0.14	43.94	scale
	Man	0.54	0.03	19.79	coefficient
	Other/Undisclosed	0.47	0.18	2.58	coefficient
	Very important Important	0.75	0.02	49.03	scale
healthcare_experience	Important Moderately important	3.32	0.03	104.16	scale
	Moderately important Not important	6.53	0.14	45.10	scale
	Yes	-0.23	0.03	-8.82	coefficient
	Very important Important	0.50	0.02	31.56	scale
cognitive_health	Important Moderately important	3.05	0.03	96.76	scale
	Moderately important Not important	6.26	0.14	43.28	scale
	Below average	0.15	0.05	2.97	coefficient
	Very important Important	0.60	0.01	45.89	scale
mental_health	Important Moderately important	3.15	0.03	103.43	scale
	Moderately important Not important	6.36	0.14	43.99	scale
	Below average	0.06	0.04	1.59	coefficient
	Very important Important	0.59	0.01	44.04	scale
illness_experience	Important Moderately important	3.14	0.03	102.64	scale
	Moderately important Not important	6.35	0.14	43.96	scale
	Yes	-0.06	0.03	-2.41	coefficient
	Very important Important	0.56	0.02	34.72	scale
brain_disease_caregiver	Important Moderately important	3.11	0.03	97.73	scale
	Moderately important Not important	6.32	0.14	43.66	scale
	Yes	-0.32	0.03	-12.90	coefficient
	Very important Important	0.44	0.02	26.09	scale
brain_research_participation	Important Moderately important	3.00	0.03	93.80	scale
	Moderately important Not important	6.21	0.14	42.87	scale
	Yes	-0.11	0.03	-4.50	coefficient
	Very important Important	0.54	0.02	32.58	scale
relationship	Important Moderately important	3.09	0.03	96.61	scale
	Moderately important Not important	6.30	0.14	43.49	scale
	Stable	-0.06	0.03	-2.29	coefficient
	Very important Important	0.56	0.02	29.54	scale
relationship	Important Moderately important	3.10	0.03	93.44	scale
	Moderately important Not important	6.32	0.15	43.51	scale



## 2.3.6 Question 2: ordinal - Old age

fct	term	estimate	std.error	statistic	coef.type
age	41-60	-0.02	0.03	-0.73	coefficient
	<= 40	0.30	0.04	7.86	coefficient
	Very important Important	1.02	0.02	51.00	scale
	Important Moderately important	3.21	0.03	94.19	scale
education	Moderately important Not important	5.63	0.10	56.36	scale
	Lower	0.14	0.03	4.92	coefficient
	Very important Important	1.03	0.02	62.27	scale
	Important Moderately important	3.21	0.03	100.08	scale
gender	Moderately important Not important	5.63	0.10	56.74	scale
	Man	0.41	0.03	14.21	coefficient
	Other/Undisclosed	0.50	0.19	2.67	coefficient
	Very important Important	1.11	0.02	67.19	scale
healthcare_experience	Important Moderately important	3.30	0.03	102.30	scale
	Moderately important Not important	5.72	0.10	57.61	scale
	Yes	-0.13	0.03	-4.73	coefficient
	Very important Important	0.93	0.02	54.50	scale
cognitive_health	Important Moderately important	3.11	0.03	96.61	scale
	Moderately important Not important	5.53	0.10	55.76	scale
	Below average	0.15	0.06	2.77	coefficient
	Very important Important	0.99	0.01	70.78	scale
mental_health	Important Moderately important	3.17	0.03	103.01	scale
	Moderately important Not important	5.59	0.10	56.60	scale
	Below average	0.11	0.04	2.83	coefficient
	Very important Important	1.00	0.01	68.38	scale
illness_experience	Important Moderately important	3.18	0.03	102.29	scale
	Moderately important Not important	5.60	0.10	56.61	scale
	Yes	-0.04	0.03	-1.47	coefficient
	Very important Important	0.97	0.02	55.33	scale
brain_disease_caregiver	Important Moderately important	3.15	0.03	96.92	scale
	Moderately important Not important	5.57	0.10	56.04	scale
	Yes	-0.26	0.03	-9.43	coefficient
	Very important Important	0.87	0.02	48.00	scale
brain_research_participation	Important Moderately important	3.05	0.03	93.46	scale
	Moderately important Not important	5.47	0.10	55.05	scale
	Yes	-0.19	0.03	-6.92	coefficient
	Very important Important	0.90	0.02	51.14	scale
relationship	Important Moderately important	3.08	0.03	94.99	scale
	Moderately important Not important	5.50	0.10	55.42	scale
	Stable	-0.08	0.03	-2.82	coefficient
	Very important Important	0.94	0.02	46.55	scale
relationship	Important Moderately important	3.12	0.03	91.85	scale
	Moderately important Not important	5.54	0.10	55.50	scale

## 2.4 bin\_vs\_cont

## 2.4.1 Question 2: bin\_vs\_cont - In the womb

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont
age	41-60	0.40	0.04	10.94	0.00	41-60	-0.17	
	<= 40	0.39	0.05	8.04	0.00	<= 40	-0.18	
education	Lower	-0.52	0.03	-15.42	0.00	Lower	0.22	
gender	Man	-0.54	0.03	-15.83	0.00	Man	0.22	
	Other/Undisclosed	0.04	0.26	0.15	0.88	Other/Undisclosed	-0.03	
healthcare_experience	Yes	0.65	0.04	17.78	0.00	Yes	-0.24	
cognitive_health	Below average	-0.51	0.06	-8.47	0.00	Below average	0.20	
mental_health	Below average	-0.14	0.05	-3.00	0.00	Below average	0.02	
illness_experience	Yes	-0.02	0.03	-0.65	0.52	Yes	0.00	
brain_disease_caregiver	Yes	0.24	0.03	7.35	0.00	Yes	-0.08	
relationship	Stable	0.06	0.03	1.88	0.06	Stable	-0.01	

**2.4.2 Question 2: bin\_vs\_cont - Childhood**

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont_std
	41-60	0.57	0.06	9.17	0.00	41-60	-0.12	
age	<= 40	0.64	0.09	7.26	0.00	<= 40	-0.18	
education	Lower	-0.56	0.06	-9.99	0.00	Lower	0.11	
gender	Man	-0.52	0.06	-9.23	0.00	Man	0.09	
healthcare_experience	Yes	0.72	0.06	11.26	0.00	Yes	-0.11	
cognitive_health	Below average	-0.58	0.09	-6.21	0.00	Below average	0.12	
illness_experience	Yes	-0.08	0.06	-1.48	0.14	Yes	0.00	
brain_research_participation	Yes	-0.07	0.06	-1.31	0.19	Yes	0.02	
relationship	Stable	-0.10	0.06	-1.76	0.08	Stable	0.02	

### 2.4.3 Question 2: bin\_vs\_cont - Adolescence

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont_std.error
age	41-60	0.54	0.07	7.18	0.00	41-60	-0.10	0.01
	<= 40	0.76	0.11	6.79	0.00	<= 40	-0.16	0.01
education	Lower	-0.40	0.07	-5.93	0.00	Lower	0.06	0.01
gender	Man	-0.39	0.07	-5.59	0.00	Man	0.09	0.01
healthcare_experience	Yes	0.58	0.08	7.74	0.00	Yes	-0.09	0.01
cognitive_health	Below average	-0.69	0.11	-6.44	0.00	Below average	0.09	0.01
relationship	Stable	-0.13	0.07	-1.96	0.05	Stable	0.03	0.01

#### 2.4.4 Question 2: bin\_vs\_cont - Young adulthood

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta	cont
age	41-60	0.46	0.07	6.98	0.00	41-60	-0.07	
	<= 40	0.19	0.08	2.35	0.02	<= 40	-0.07	
gender	Man	-0.58	0.06	-9.85	0.00	Man	0.12	
	Other/Undisclosed	-0.68	0.35	-1.96	0.05	Other/Undisclosed	0.05	
healthcare_experience	Yes	0.47	0.06	7.38	0.00	Yes	-0.09	
cognitive_health	Below average	-0.42	0.10	-4.08	0.00	Below average	0.05	
mental_health	Below average	-0.19	0.08	-2.36	0.02	Below average	0.01	
illness_experience	Yes	0.12	0.06	2.07	0.04	Yes	-0.03	
brain_disease_caregiver	Yes	0.21	0.06	3.63	0.00	Yes	-0.05	

## 2.4.5 Question 2: bin\_vs\_cont - Middle age

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
	41-60	0.52	0.07	7.17	0.00	41-60	-0.10
age	<= 40	-0.20	0.08	-2.57	0.01	<= 40	0.01
education	Lower	-0.08	0.06	-1.20	0.23	Lower	0.01
	Man	-0.89	0.06	-14.53	0.00	Man	0.16
gender	Other/Undisclosed	-1.41	0.29	-4.91	0.00	Other/Undisclosed	0.17
healthcare_experience	Yes	0.43	0.07	6.47	0.00	Yes	-0.07
cognitive_health	Below average	-0.43	0.11	-3.98	0.00	Below average	0.05
mental_health	Below average	-0.36	0.08	-4.49	0.00	Below average	0.02
illness_experience	Yes	0.13	0.06	2.02	0.04	Yes	-0.02
brain_disease_caregiver	Yes	0.43	0.06	6.89	0.00	Yes	-0.09
brain_research_participation	Yes	0.04	0.06	0.73	0.46	Yes	-0.03
relationship	Stable	0.11	0.06	1.79	0.07	Stable	-0.02

## 2.4.6 Question 2: bin\_vs\_cont - Old age

fct	term	log_odds	std.error	statistic	p.value	cont_term	cont_beta
age	41-60	0.17	0.07	2.35	0.02	41-60	-0.01
	<= 40	-0.60	0.08	-7.93	0.00	<= 40	0.09
education	Lower	-0.23	0.06	-3.60	0.00	Lower	0.04
	Man	-0.88	0.06	-14.25	0.00	Man	0.12
gender	Other/Undisclosed	-1.05	0.33	-3.17	0.00	Other/Undisclosed	0.17
	Yes	0.35	0.07	5.26	0.00	Yes	-0.04
healthcare_experience	Yes	0.35	0.07	5.26	0.00	Yes	-0.04
cognitive_health	Below average	-0.42	0.11	-3.87	0.00	Below average	0.05
mental_health	Below average	-0.43	0.08	-5.41	0.00	Below average	0.04
illness_experience	Yes	0.10	0.06	1.59	0.11	Yes	-0.01
brain_disease_caregiver	Yes	0.34	0.06	5.48	0.00	Yes	-0.06
brain_research_participation	Yes	0.19	0.06	2.97	0.00	Yes	-0.05
relationship	Stable	0.19	0.06	3.09	0.00	Stable	-0.02

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### **3 Question 3**

#### **3.1 binary**

## 3.1.1 Question 3: binary - Alzheimer's

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	4.97	0.11	46.45	0.00
age	41-60	0.08	0.16	0.47	0.64
	<= 40	-1.06	0.15	-6.97	0.00
education	(Intercept)	5.02	0.09	55.72	0.00
	Lower	-0.74	0.13	-5.72	0.00
gender	(Intercept)	5.07	0.09	55.85	0.00
	Man	-0.91	0.13	-7.05	0.00
	Other/Undisclosed	12.49	352.44	0.04	0.97
healthcare_experience	(Intercept)	4.47	0.07	61.46	0.00
	Yes	0.86	0.16	5.45	0.00
cognitive_health	(Intercept)	4.75	0.07	70.47	0.00
	Below average	-0.35	0.23	-1.48	0.14
mental_health	(Intercept)	4.80	0.07	66.87	0.00
	Below average	-0.44	0.16	-2.69	0.01
illness_experience	(Intercept)	4.89	0.09	53.86	0.00
	Yes	-0.38	0.13	-2.91	0.00
brain_disease_caregiver	(Intercept)	4.41	0.08	58.21	0.00
	Yes	0.85	0.14	5.86	0.00
brain_research_participation	(Intercept)	4.46	0.08	59.30	0.00
	Yes	0.78	0.15	5.29	0.00
relationship	(Intercept)	4.42	0.08	52.85	0.00
	Stable	0.65	0.13	4.90	0.00

## 3.1.2 Question 3: binary - Schizophrenia

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.98	0.04	72.17	0.00
age	41-60	0.38	0.07	5.62	0.00
	<= 40	0.29	0.09	3.28	0.00
education	(Intercept)	3.33	0.04	83.62	0.00
	Lower	-0.48	0.06	-7.79	0.00
gender	(Intercept)	3.30	0.04	85.53	0.00
	Man	-0.45	0.06	-7.11	0.00
	Other/Undisclosed	-0.31	0.42	-0.73	0.47
healthcare_experience	(Intercept)	3.01	0.04	82.83	0.00
	Yes	0.42	0.07	6.33	0.00
cognitive_health	(Intercept)	3.21	0.03	99.65	0.00
	Below average	-0.74	0.10	-7.54	0.00
mental_health	(Intercept)	3.15	0.03	96.65	0.00
	Below average	0.00	0.09	0.03	0.97
illness_experience	(Intercept)	3.22	0.04	79.23	0.00
	Yes	-0.17	0.06	-2.74	0.01
brain_disease_caregiver	(Intercept)	3.06	0.04	76.83	0.00
	Yes	0.22	0.06	3.58	0.00
brain_research_participation	(Intercept)	3.02	0.04	79.51	0.00
	Yes	0.33	0.06	5.23	0.00
relationship	(Intercept)	3.18	0.05	68.62	0.00
	Stable	-0.04	0.06	-0.69	0.49

## 3.1.3 Question 3: binary - Depression

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.79	0.04	73.54	0.00
age	41-60	0.42	0.06	6.55	0.00
	<= 40	0.26	0.08	3.15	0.00
education	(Intercept)	3.08	0.04	86.76	0.00
	Lower	-0.33	0.06	-5.67	0.00
gender	(Intercept)	3.08	0.03	88.33	0.00
	Man	-0.36	0.06	-6.21	0.00
	Other/Undisclosed	0.10	0.46	0.23	0.82
healthcare_experience	(Intercept)	2.85	0.03	84.24	0.00
	Yes	0.32	0.06	5.38	0.00
cognitive_health	(Intercept)	2.99	0.03	102.71	0.00
	Below average	-0.31	0.10	-2.94	0.00
mental_health	(Intercept)	2.93	0.03	99.39	0.00
	Below average	0.34	0.09	3.63	0.00
illness_experience	(Intercept)	2.97	0.04	81.99	0.00
	Yes	0.00	0.06	-0.02	0.99
brain_disease_caregiver	(Intercept)	2.87	0.04	78.49	0.00
	Yes	0.23	0.06	4.04	0.00
brain_research_participation	(Intercept)	2.84	0.04	81.08	0.00
	Yes	0.32	0.06	5.49	0.00
relationship	(Intercept)	2.98	0.04	70.44	0.00
	Stable	-0.02	0.06	-0.30	0.76

## 3.1.4 Question 3: binary - Bipolar

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.08	0.03	73.75	0.00
age	41-60	0.78	0.05	15.01	0.00
	<= 40	0.64	0.07	9.40	0.00
education	(Intercept)	2.76	0.03	89.77	0.00
	Lower	-0.86	0.04	-19.41	0.00
gender	(Intercept)	2.68	0.03	91.92	0.00
	Man	-0.75	0.04	-16.70	0.00
	Other/Undisclosed	0.01	0.37	0.03	0.98
healthcare_experience	(Intercept)	2.19	0.03	85.72	0.00
	Yes	0.70	0.05	13.78	0.00
cognitive_health	(Intercept)	2.45	0.02	106.57	0.00
	Below average	-0.49	0.08	-6.29	0.00
mental_health	(Intercept)	2.39	0.02	102.47	0.00
	Below average	0.25	0.07	3.60	0.00
illness_experience	(Intercept)	2.42	0.03	84.89	0.00
	Yes	-0.01	0.04	-0.29	0.77
brain_disease_caregiver	(Intercept)	2.25	0.03	80.16	0.00
	Yes	0.41	0.05	8.97	0.00
brain_research_participation	(Intercept)	2.26	0.03	82.64	0.00
	Yes	0.41	0.05	8.96	0.00
relationship	(Intercept)	2.52	0.03	72.89	0.00
	Stable	-0.18	0.04	-3.92	0.00

## 3.1.5 Question 3: binary - Anxiety

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	2.09	0.03	73.83	0.00
age	41-60	0.43	0.05	9.24	0.00
	<= 40	0.37	0.06	5.91	0.00
education	(Intercept)	2.39	0.03	91.09	0.00
	Lower	-0.29	0.04	-6.68	0.00
gender	(Intercept)	2.36	0.03	92.74	0.00
	Man	-0.23	0.04	-5.17	0.00
	Other/Undisclosed	0.63	0.42	1.51	0.13
healthcare_experience	(Intercept)	2.22	0.03	85.81	0.00
	Yes	0.22	0.04	5.02	0.00
cognitive_health	(Intercept)	2.31	0.02	106.50	0.00
	Below average	-0.19	0.08	-2.35	0.02
mental_health	(Intercept)	2.25	0.02	102.17	0.00
	Below average	0.41	0.07	5.85	0.00
illness_experience	(Intercept)	2.27	0.03	84.71	0.00
	Yes	0.07	0.04	1.63	0.10
brain_disease_caregiver	(Intercept)	2.21	0.03	80.03	0.00
	Yes	0.19	0.04	4.55	0.00
brain_research_participation	(Intercept)	2.18	0.03	82.34	0.00
	Yes	0.28	0.04	6.49	0.00
relationship	(Intercept)	2.30	0.03	72.91	0.00
	Stable	0.00	0.04	0.00	1.00

## 3.1.6 Question 3: binary - Addiction

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.86	0.03	71.70	0.00
age	41-60	0.31	0.04	7.54	0.00
	<= 40	0.41	0.06	7.06	0.00
education	(Intercept)	2.20	0.02	90.62	0.00
	Lower	-0.47	0.04	-12.10	0.00
gender	(Intercept)	2.20	0.02	92.28	0.00
	Man	-0.51	0.04	-12.94	0.00
	Other/Undisclosed	0.05	0.30	0.17	0.86
healthcare_experience	(Intercept)	1.81	0.02	81.89	0.00
	Yes	0.68	0.04	15.89	0.00
cognitive_health	(Intercept)	2.06	0.02	104.94	0.00
	Below average	-0.38	0.07	-5.35	0.00
mental_health	(Intercept)	2.02	0.02	100.44	0.00
	Below average	0.11	0.06	1.99	0.05
illness_experience	(Intercept)	2.02	0.02	83.23	0.00
	Yes	0.03	0.04	0.76	0.45
brain_disease_caregiver	(Intercept)	1.93	0.02	77.93	0.00
	Yes	0.23	0.04	6.04	0.00
brain_research_participation	(Intercept)	1.93	0.02	80.24	0.00
	Yes	0.26	0.04	6.82	0.00
relationship	(Intercept)	2.11	0.03	72.19	0.00
	Stable	-0.13	0.04	-3.46	0.00

## 3.1.7 Question 3: binary - Stroke

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.97	0.03	72.84	0.00
age	41-60	0.15	0.04	3.60	0.00
	<= 40	-0.27	0.05	-5.49	0.00
education	(Intercept)	2.02	0.02	89.24	0.00
	Lower	-0.14	0.04	-3.60	0.00
gender	(Intercept)	2.19	0.02	92.21	0.00
	Man	-0.64	0.04	-16.91	0.00
	Other/Undisclosed	-0.02	0.29	-0.08	0.93
healthcare_experience	(Intercept)	1.70	0.02	79.82	0.00
	Yes	0.89	0.04	20.45	0.00
cognitive_health	(Intercept)	1.98	0.02	104.04	0.00
	Below average	-0.20	0.07	-2.69	0.01
mental_health	(Intercept)	1.98	0.02	100.01	0.00
	Below average	-0.09	0.05	-1.71	0.09
illness_experience	(Intercept)	1.88	0.02	81.56	0.00
	Yes	0.25	0.04	6.56	0.00
brain_disease_caregiver	(Intercept)	1.77	0.02	75.70	0.00
	Yes	0.48	0.04	12.70	0.00
brain_research_participation	(Intercept)	1.88	0.02	79.61	0.00
	Yes	0.23	0.04	6.17	0.00
relationship	(Intercept)	1.88	0.03	70.25	0.00
	Stable	0.16	0.04	4.31	0.00

## 3.1.8 Question 3: binary - Parkinson's

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.82	0.03	71.15	0.00
age	41-60	0.12	0.04	3.13	0.00
	<= 40	-0.22	0.05	-4.62	0.00
education	(Intercept)	1.99	0.02	88.93	0.00
	Lower	-0.46	0.04	-12.87	0.00
gender	(Intercept)	1.89	0.02	89.32	0.00
	Man	-0.21	0.04	-5.63	0.00
	Other/Undisclosed	-0.16	0.25	-0.64	0.52
healthcare_experience	(Intercept)	1.59	0.02	77.61	0.00
	Yes	0.72	0.04	18.08	0.00
cognitive_health	(Intercept)	1.84	0.02	101.83	0.00
	Below average	-0.26	0.07	-3.84	0.00
mental_health	(Intercept)	1.85	0.02	98.00	0.00
	Below average	-0.17	0.05	-3.47	0.00
illness_experience	(Intercept)	1.79	0.02	80.32	0.00
	Yes	0.08	0.04	2.33	0.02
brain_disease_caregiver	(Intercept)	1.67	0.02	73.91	0.00
	Yes	0.37	0.04	10.34	0.00
brain_research_participation	(Intercept)	1.69	0.02	76.56	0.00
	Yes	0.35	0.04	9.55	0.00
relationship	(Intercept)	1.73	0.03	68.21	0.00
	Stable	0.17	0.03	4.86	0.00

## 3.1.9 Question 3: binary - Migraine

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	1.24	0.02	58.41	0.00
age	41-60	0.57	0.04	16.21	0.00
	<= 40	0.78	0.05	15.24	0.00
education	(Intercept)	1.68	0.02	83.96	0.00
	Lower	-0.38	0.03	-11.48	0.00
gender	(Intercept)	1.62	0.02	84.32	0.00
	Man	-0.25	0.03	-7.46	0.00
	Other/Undisclosed	0.04	0.24	0.18	0.86
healthcare_experience	(Intercept)	1.36	0.02	71.15	0.00
	Yes	0.56	0.03	16.24	0.00
cognitive_health	(Intercept)	1.57	0.02	95.25	0.00
	Below average	-0.28	0.06	-4.46	0.00
mental_health	(Intercept)	1.55	0.02	90.96	0.00
	Below average	0.02	0.05	0.46	0.65
illness_experience	(Intercept)	1.51	0.02	74.37	0.00
	Yes	0.11	0.03	3.28	0.00
brain_disease_caregiver	(Intercept)	1.44	0.02	68.88	0.00
	Yes	0.23	0.03	7.25	0.00
brain_research_participation	(Intercept)	1.51	0.02	72.60	0.00
	Yes	0.10	0.03	3.06	0.00
relationship	(Intercept)	1.53	0.02	64.47	0.00
	Stable	0.03	0.03	1.07	0.29

## 3.1.10 Question 3: binary - Cancer

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.92	0.02	-46.91	0.00
age	41-60	0.26	0.03	9.11	0.00
	<= 40	0.44	0.04	12.00	0.00
education	(Intercept)	-0.66	0.02	-42.71	0.00
	Lower	-0.31	0.03	-10.70	0.00
gender	(Intercept)	-0.67	0.02	-44.48	0.00
	Man	-0.28	0.03	-9.47	0.00
	Other/Undisclosed	0.15	0.18	0.82	0.41
healthcare_experience	(Intercept)	-0.97	0.02	-56.53	0.00
	Yes	0.56	0.03	21.18	0.00
cognitive_health	(Intercept)	-0.74	0.01	-55.40	0.00
	Below average	-0.19	0.06	-3.45	0.00
mental_health	(Intercept)	-0.76	0.01	-54.68	0.00
	Below average	0.09	0.04	2.29	0.02
illness_experience	(Intercept)	-0.80	0.02	-47.23	0.00
	Yes	0.12	0.03	4.61	0.00
brain_disease_caregiver	(Intercept)	-0.86	0.02	-47.50	0.00
	Yes	0.23	0.03	8.84	0.00
brain_research_participation	(Intercept)	-0.81	0.02	-46.92	0.00
	Yes	0.15	0.03	5.82	0.00
relationship	(Intercept)	-0.75	0.02	-38.60	0.00
	Stable	0.01	0.03	0.24	0.81

## 3.1.11 Question 3: binary - Hypertension

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-0.66	0.02	-35.09	0.00
age	41-60	-0.12	0.03	-4.33	0.00
	<= 40	-0.42	0.04	-10.84	0.00
education	(Intercept)	-0.69	0.02	-44.50	0.00
	Lower	-0.26	0.03	-9.25	0.00
gender	(Intercept)	-0.67	0.02	-44.65	0.00
	Man	-0.34	0.03	-11.55	0.00
	Other/Undisclosed	0.32	0.18	1.77	0.08
healthcare_experience	(Intercept)	-1.10	0.02	-62.05	0.00
	Yes	0.80	0.03	30.39	0.00
cognitive_health	(Intercept)	-0.76	0.01	-56.94	0.00
	Below average	-0.11	0.06	-1.95	0.05
mental_health	(Intercept)	-0.74	0.01	-53.62	0.00
	Below average	-0.19	0.04	-4.82	0.00
illness_experience	(Intercept)	-0.84	0.02	-49.49	0.00
	Yes	0.18	0.03	7.04	0.00
brain_disease_caregiver	(Intercept)	-0.97	0.02	-52.58	0.00
	Yes	0.42	0.03	16.24	0.00
brain_research_participation	(Intercept)	-0.86	0.02	-48.95	0.00
	Yes	0.20	0.03	7.80	0.00
relationship	(Intercept)	-0.81	0.02	-41.17	0.00
	Stable	0.08	0.03	2.96	0.00

## 3.1.12 Question 3: binary - Diabetes

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-1.71	0.02	-69.58	0.00
age	41-60	0.14	0.04	4.01	0.00
	<= 40	-0.04	0.05	-0.91	0.36
education	(Intercept)	-1.56	0.02	-81.30	0.00
	Lower	-0.36	0.04	-9.50	0.00
gender	(Intercept)	-1.61	0.02	-83.95	0.00
	Man	-0.22	0.04	-5.85	0.00
	Other/Undisclosed	0.53	0.21	2.59	0.01
healthcare_experience	(Intercept)	-2.13	0.02	-85.37	0.00
	Yes	1.00	0.03	29.61	0.00
cognitive_health	(Intercept)	-1.66	0.02	-97.96	0.00
	Below average	-0.02	0.07	-0.27	0.79
mental_health	(Intercept)	-1.64	0.02	-93.62	0.00
	Below average	-0.19	0.05	-3.63	0.00
illness_experience	(Intercept)	-1.76	0.02	-79.82	0.00
	Yes	0.23	0.03	6.82	0.00
brain_disease_caregiver	(Intercept)	-1.85	0.02	-76.95	0.00
	Yes	0.38	0.03	11.36	0.00
brain_research_participation	(Intercept)	-1.75	0.02	-77.66	0.00
	Yes	0.18	0.03	5.48	0.00
relationship	(Intercept)	-1.66	0.02	-67.06	0.00
	Stable	-0.01	0.03	-0.16	0.87

## 3.1.13 Question 3: binary - Arthritis

fct	term	estimate	std.error	statistic	p.value
	(Intercept)	-3.05	0.04	-71.56	0.00
age	41-60	0.14	0.06	2.28	0.02
	<= 40	0.01	0.08	0.11	0.91
education	(Intercept)	-2.97	0.03	-87.93	0.00
	Lower	-0.06	0.06	-0.95	0.34
gender	(Intercept)	-2.92	0.03	-90.08	0.00
	Man	-0.29	0.07	-4.29	0.00
	Other/Undisclosed	0.23	0.37	0.62	0.54
healthcare_experience	(Intercept)	-3.34	0.04	-78.93	0.00
	Yes	0.75	0.06	13.23	0.00
cognitive_health	(Intercept)	-3.01	0.03	-102.46	0.00
	Below average	0.29	0.11	2.70	0.01
mental_health	(Intercept)	-2.98	0.03	-98.79	0.00
	Below average	-0.05	0.08	-0.53	0.60
illness_experience	(Intercept)	-3.20	0.04	-79.49	0.00
	Yes	0.47	0.06	8.25	0.00
brain_disease_caregiver	(Intercept)	-3.12	0.04	-76.19	0.00
	Yes	0.26	0.06	4.67	0.00
brain_research_participation	(Intercept)	-3.01	0.04	-79.67	0.00
	Yes	0.04	0.06	0.65	0.52
relationship	(Intercept)	-2.90	0.04	-71.01	0.00
	Stable	-0.16	0.06	-2.84	0.00

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SUPPLEMENTARY MATERIAL 1. Demographic characteristics across countries																		
Respondents	All countries	%	United Kingdom	%	Netherlands	%	Norway	%	Spain	%	Denmark	%	Germany	%	Sweden	%	Other	%
Women	19,626	71.1 %	7,536	74.2 %	5,304	75.5 %	2,934	82.7 %	890	42.5 %	703	63.9 %	441	41.6 %	648	85.3 %	1,170	63.5 %
Men	7,833	28.4 %	2,591	25.5 %	1,698	24.2 %	602	17.0 %	1,195	57.0 %	394	35.8 %	598	56.4 %	106	13.9 %	649	35.2 %
Other	131	0.5 %	33	0.3 %	21	0.3 %	13	0.4 %	10	0.5 %	4	0.4 %	21	2.0 %	6	0.8 %	23	1.2 %
<b>Total</b>	<b>27,590</b>	<b>100.0 %</b>	<b>10,160</b>	<b>100.0 %</b>	<b>7,023</b>	<b>100.0 %</b>	<b>3,549</b>	<b>100.0 %</b>	<b>2,095</b>	<b>100.0 %</b>	<b>1,101</b>	<b>100.0 %</b>	<b>1,060</b>	<b>100.0 %</b>	<b>760</b>	<b>100.0 %</b>	<b>1,842</b>	<b>100.0 %</b>
<b>Age range (years)</b>																		
<40	4,502	16.4%	840	8.3%	414	5.9%	1,135	32%	272	13%	328	29.8%	379	35.8%	239	31.4%	895	48.6%
41-60	10,328	37.4 %	3,373	33.2 %	2,464	35.1 %	1,600	45.1 %	1,285	61.3 %	400	36.3 %	237	22.4 %	377	49.6 %	592	32.1 %
>60	12,760	46.2%	5,947	58.6%	4,145	59.0%	814	22.9%	538	25.7%	373	33.9%	444	41.8%	144	18.9%	355	19.2%
<b>Education</b>																		
Higher education	18,925	68.6 %	6,954	68.4 %	4,279	60.9 %	2,936	82.7 %	1,415	67.5 %	731	66.4 %	699	65.9 %	529	69.6 %	1,382	75.0 %
Lower education	8,665	31.4%	3,206	31.6%	2,744	39.1%	613	17.2%	680	32.4%	370	33.6%	361	34.0%	231	30.4%	460	25.0%
<b>Relationship status</b>																		
Married or in a stable relationship	19,819	71.8 %	7,545	74.3 %	4,947	70.4 %	2,663	75.0 %	1,480	70.6 %	754	68.5 %	708	66.8 %	529	69.6 %	1,193	64.8 %
Not in a stable relationship	7,771	28.2 %	2,615	25.7 %	2,076	29.6 %	886	25.0 %	615	29.4 %	347	31.5 %	352	33.2 %	231	30.4 %	649	35.2 %
<b>Occupation*</b>																		
Employed for wages	14,181	51.4 %	4,426	43.6 %	3,089	44.0 %	2,507	70.6 %	1,418	67.7 %	645	58.6 %	516	48.7 %	546	71.8 %	1,034	56.1 %
Retired	10,550	38.2 %	5,334	52.5 %	3,117	44.4 %	533	15.0 %	431	20.6 %	315	28.6 %	408	38.5 %	114	15.0 %	298	16.2 %
Other	9,708	35.2%	3188	31.3%	2,596	37.0%	1,227	34.5%	900	42.9%	305	27.7%	353	33.3%	226	29.8%	913	49.6%
<b>Employment and/or education in health care</b>																		
No	16,955	61.5 %	6,457	63.6 %	4,275	60.9 %	2,070	58.3 %	1,334	63.7 %	621	56.4 %	692	65.3 %	464	61.1 %	1,042	56.6 %
Yes	10,635	38.5 %	3,703	36.4 %	2,748	39.1 %	1,479	41.7 %	761	36.3 %	480	43.6 %	368	34.7 %	296	38.9 %	800	43.4 %
<b>Participation in brain research</b>																		
No	15,671	56.8 %	4,131	40.7 %	3,906	55.6 %	2,915	82.1 %	831	39.7 %	976	88.6 %	774	73.0 %	687	90.4 %	1,451	78.8 %
Yes	11,919	43.2 %	6,029	59.3 %	3,117	44.4 %	634	17.9 %	1,264	60.3 %	125	11.4 %	286	27.0 %	73	9.6 %	391	21.2 %

<b>Self-rated cognitive health</b>																		
Below average	1,661	6.0 %	693	6.8 %	406	5.8 %	238	6.7 %	91	4.3 %	42	3.8 %	32	3.0 %	87	11.4 %	72	3.9 %
Average or above average	25,929	94.0%	9,467	93.2%	6,617	94.2%	3,311	93.3%	2,004	95.7%	1,059	96.2%	1,028	97.0%	673	88.6%	1,770	96.1%
<b>Self-rated mental health</b>																		
Below average	3,632	13.2 %	1,306	12.9 %	860	12.2 %	496	14.0 %	206	9.8 %	130	11.8 %	169	15.9 %	182	23.9 %	283	15.4 %
Average or above average	23,958	86.8%	8,854	87.1%	6,163	87.8%	3,053	86.0%	1,889	90.2%	971	88.2%	891	84.1%	578	76.1%	1,559	84.6%
<b>Experience of illness, disability or health problem</b>																		
No	16,451	59.6 %	5,806	57.1 %	4,216	60.0 %	1,971	55.5 %	1,527	72.9 %	736	66.8 %	606	57.2 %	372	48.9 %	1,217	66.1 %
Yes	11,139	40.4 %	4,354	42.9 %	2,807	40.0 %	1,578	44.5 %	568	27.1 %	365	33.2 %	454	42.8 %	388	51.1 %	625	33.9 %
<b>Experience as caregiver of patient with brain disease</b>																		
No	14,762	53.5 %	4,355	42.9 %	3,686	52.5 %	2,206	62.2 %	1,254	59.9 %	782	71.0 %	841	79.3 %	459	60.4 %	1,179	64.0 %
Yes	12,828	46.5 %	5,805	57.1 %	3,337	47.5 %	1,343	37.8 %	841	40.1 %	319	29.0 %	219	20.7 %	301	39.6 %	663	36.0 %
* Percentages add up to >100% because multiple responses were allowed																		

# Lifebrain Global Brain Health Survey Supplementary material 3

## Odds ratios and 99% confidence intervals across all demographic characteristics

### Contents

<b>1</b>	<b>Question 1</b>	<b>2</b>
1.1	In your opinion, does <i>income</i> have an influence on brain health? . . . . .	2
1.2	In your opinion, does <i>profession</i> have an influence on brain health? . . . . .	3
1.3	In your opinion, does <i>education</i> have an influence on brain health? . . . . .	4
1.4	In your opinion, does <i>diet</i> have an influence on brain health? . . . . .	5
1.5	In your opinion, does <i>physical environment</i> have an influence on brain health? . . . . .	6
1.6	In your opinion, does <i>life goals</i> have an influence on brain health? . . . . .	7
1.7	In your opinion, does <i>social environment</i> have an influence on brain health? . . . . .	8
1.8	In your opinion, does <i>sleeping habits</i> have an influence on brain health? . . . . .	9
1.9	In your opinion, does <i>physical health</i> have an influence on brain health? . . . . .	10
1.10	In your opinion, does <i>genetics</i> have an influence on brain health? . . . . .	11
1.11	In your opinion, does <i>substance use</i> have an influence on brain health? . . . . .	12
<b>2</b>	<b>Question 2</b>	<b>13</b>
2.1	In your opinion, is it important to look after one's brain in <i>in the womb</i> ? . . . . .	13
2.2	In your opinion, is it important to look after one's brain in <i>childhood</i> ? . . . . .	14
2.3	In your opinion, is it important to look after one's brain in <i>adolescence</i> ? . . . . .	15
2.4	In your opinion, is it important to look after one's brain in <i>young adulthood</i> ? . . . . .	16
2.5	In your opinion, is it important to look after one's brain in <i>middle age</i> ? . . . . .	17
2.6	In your opinion, is it important to look after one's brain in <i>old age</i> ? . . . . .	18
<b>3</b>	<b>Question 3</b>	<b>19</b>
3.1	I associate <i>alzheimer's</i> with the brain. . . . .	19
3.2	I associate <i>schizophrenia</i> with the brain. . . . .	20
3.3	I associate <i>depression</i> with the brain. . . . .	21
3.4	I associate <i>bipolar</i> with the brain. . . . .	22
3.5	I associate <i>anxiety</i> with the brain. . . . .	23
3.6	I associate <i>addiction</i> with the brain. . . . .	24
3.7	I associate <i>stroke</i> with the brain. . . . .	25
3.8	I associate <i>parkinson's</i> with the brain. . . . .	26
3.9	I associate <i>migraine</i> with the brain. . . . .	27
3.10	I associate <i>cancer</i> with the brain. . . . .	28
3.11	I associate <i>hypertension</i> with the brain. . . . .	29
3.12	I associate <i>diabetes</i> with the brain. . . . .	30
3.13	I associate <i>arthritis</i> with the brain. . . . .	31

## 1 Question 1

### 1.1 In your opinion, does *income* have an influence on brain health?

Table 1: Q1 Income

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	4 666 (36.8%)	12 667			
<= 40	1 434 (32.0%)	4 482	0.81	0.73	0.89
41-60	3 732 (36.3%)	10 287	0.98	0.91	1.05
<b>Education</b>					
Higher	6 607 (35.1%)	18 834			
Lower	3 225 (37.5%)	8 602	1.11	1.04	1.19
<b>Gender</b>					
Woman	7 061 (36.2%)	19 527			
Man	2 720 (35.0%)	7 782	0.95	0.88	1.02
Other/Undisclosed	51 (40.2%)	127	1.18	0.74	1.89
<b>Healthcare Experience</b>					
No	5 641 (33.5%)	16 855			
Yes	4 191 (39.6%)	10 581	1.30	1.22	1.39
<b>Cognitive Health</b>					
Average or above	9 227 (35.8%)	25 787			
Below average	605 (36.7%)	1 649	1.04	0.91	1.19
<b>Mental Health</b>					
Average or above	8 535 (35.8%)	23 822			
Below average	1 297 (35.9%)	3 614	1.00	0.91	1.10
<b>Illness Experience</b>					
No	5 651 (34.5%)	16 375			
Yes	4 181 (37.8%)	11 061	1.15	1.08	1.23
<b>Brain Disease Caregiver</b>					
No	5 199 (35.4%)	14 682			
Yes	4 633 (36.3%)	12 754	1.04	0.97	1.11
<b>Brain Research Participation</b>					
No	5 499 (35.3%)	15 577			
Yes	4 333 (36.5%)	11 859	1.06	0.99	1.13
<b>Relationship</b>					
Not stable	4 335 (35.9%)	12 091			
Stable	5 497 (35.8%)	15 345	1.00	0.94	1.07

1.2 In your opinion, does *profession* have an influence on brain health?

Table 2: Q1 Profession

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	6 749 (53.2%)	12 675			
41-60	5 866 (57.0%)	10 300	1.16	1.08	1.24
<= 40	2 701 (60.2%)	4 484	1.33	1.21	1.46
<b>Education</b>					
Higher	10 929 (58.0%)	18 855			
Lower	4 387 (51.0%)	8 604	0.75	0.71	0.81
<b>Gender</b>					
Woman	10 675 (54.6%)	19 542			
Other/Undisclosed	69 (54.3%)	127	0.99	0.62	1.57
Man	4 572 (58.7%)	7 790	1.18	1.10	1.27
<b>Healthcare Experience</b>					
No	9 080 (53.9%)	16 861			
Yes	6 236 (58.8%)	10 598	1.23	1.15	1.31
<b>Cognitive Health</b>					
Average or above	14 473 (56.1%)	25 810			
Below average	843 (51.1%)	1 649	0.82	0.72	0.93
<b>Mental Health</b>					
Average or above	13 404 (56.2%)	23 847			
Below average	1 912 (52.9%)	3 612	0.88	0.80	0.96
<b>Illness Experience</b>					
No	9 234 (56.4%)	16 383			
Yes	6 082 (54.9%)	11 076	0.94	0.88	1.01
<b>Brain Disease Caregiver</b>					
No	8 392 (57.2%)	14 682			
Yes	6 924 (54.2%)	12 777	0.89	0.83	0.94
<b>Brain Research Participation</b>					
No	8 931 (57.3%)	15 590			
Yes	6 385 (53.8%)	11 869	0.87	0.81	0.92
<b>Relationship</b>					
Not stable	6 788 (56.1%)	12 107			
Stable	8 528 (55.5%)	15 352	0.98	0.92	1.04

### 1.3 In your opinion, does *education* have an influence on brain health?

Table 3: Q1 Education

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	7 722 (60.9%)	12 685			
41-60	6 099 (59.2%)	10 301	0.93	0.87	1.00
<= 40	2 844 (63.4%)	4 487	1.11	1.01	1.22
<b>Education</b>					
Higher	12 134 (64.3%)	18 865			
Lower	4 531 (52.6%)	8 608	0.62	0.58	0.66
<b>Gender</b>					
Woman	11 695 (59.8%)	19 550			
Man	4 888 (62.7%)	7 796	1.13	1.05	1.21
Other/Undisclosed	82 (64.6%)	127	1.22	0.76	1.98
<b>Healthcare Experience</b>					
No	9 790 (58.0%)	16 870			
Yes	6 875 (64.8%)	10 603	1.33	1.25	1.42
<b>Cognitive Health</b>					
Average or above	15 811 (61.2%)	25 824			
Below average	854 (51.8%)	1 649	0.68	0.60	0.78
<b>Mental Health</b>					
Average or above	14 720 (61.7%)	23 857			
Below average	1 945 (53.8%)	3 616	0.72	0.66	0.79
<b>Illness Experience</b>					
No	10 103 (61.6%)	16 391			
Yes	6 562 (59.2%)	11 082	0.90	0.85	0.96
<b>Brain Disease Caregiver</b>					
No	9 053 (61.6%)	14 698			
Yes	7 612 (59.6%)	12 775	0.92	0.86	0.98
<b>Brain Research Participation</b>					
No	9 493 (60.8%)	15 609			
Yes	7 172 (60.5%)	11 864	0.98	0.92	1.05
<b>Relationship</b>					
Not stable	7 307 (60.3%)	12 114			
Stable	9 358 (60.9%)	15 359	1.03	0.96	1.09

1.4 In your opinion, does *diet* have an influence on brain health?

Table 4: Q1 Diet

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	8 411 (66.7%)	12 611			
41-60	7 759 (75.6%)	10 270	1.54	1.43	1.67
<= 40	3 413 (76.1%)	4 482	1.59	1.44	1.77
<b>Education</b>					
Higher	13 742 (73.1%)	18 793			
Lower	5 841 (68.2%)	8 570	0.79	0.73	0.85
<b>Gender</b>					
Woman	14 352 (73.7%)	19 471			
Man	5 139 (66.2%)	7 765	0.70	0.65	0.75
Other/Undisclosed	92 (72.4%)	127	0.94	0.56	1.57
<b>Healthcare Experience</b>					
No	11 604 (69.0%)	16 809			
Yes	7 979 (75.6%)	10 554	1.39	1.29	1.49
<b>Cognitive Health</b>					
Average or above	18 564 (72.2%)	25 723			
Below average	1 019 (62.1%)	1 640	0.63	0.55	0.73
<b>Mental Health</b>					
Average or above	17 170 (72.3%)	23 752			
Below average	2 413 (66.8%)	3 611	0.77	0.70	0.85
<b>Illness Experience</b>					
No	11 860 (72.6%)	16 328			
Yes	7 723 (70.0%)	11 035	0.88	0.82	0.94
<b>Brain Disease Caregiver</b>					
No	10 236 (70.0%)	14 630			
Yes	9 347 (73.4%)	12 733	1.18	1.11	1.27
<b>Brain Research Participation</b>					
No	11 067 (71.2%)	15 546			
Yes	8 516 (72.1%)	11 817	1.04	0.97	1.12
<b>Relationship</b>					
Not stable	8 697 (72.0%)	12 079			
Stable	10 886 (71.2%)	15 284	0.96	0.90	1.03

## 1.5 In your opinion, does *physical environment* have an influence on brain health?

Table 5: Q1 Physical environment

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	8 836 (69.8%)	12 656			
<= 40	3 214 (71.7%)	4 480	1.10	0.99	1.21
41-60	7 655 (74.3%)	10 296	1.25	1.16	1.35
<b>Education</b>					
Higher	13 466 (71.5%)	18 838			
Lower	6 239 (72.6%)	8 594	1.06	0.98	1.14
<b>Gender</b>					
Woman	14 191 (72.7%)	19 522			
Man	5 416 (69.6%)	7 784	0.86	0.80	0.93
Other/Undisclosed	98 (77.8%)	126	1.31	0.76	2.29
<b>Healthcare Experience</b>					
No	11 879 (70.5%)	16 854			
Yes	7 826 (74.0%)	10 578	1.19	1.11	1.28
<b>Cognitive Health</b>					
Average or above	18 601 (72.1%)	25 791			
Below average	1 104 (67.3%)	1 641	0.79	0.69	0.91
<b>Mental Health</b>					
Average or above	17 171 (72.1%)	23 824			
Below average	2 534 (70.2%)	3 608	0.91	0.83	1.01
<b>Illness Experience</b>					
No	11 585 (70.7%)	16 376			
Yes	8 120 (73.4%)	11 056	1.14	1.07	1.23
<b>Brain Disease Caregiver</b>					
No	10 490 (71.5%)	14 668			
Yes	9 215 (72.2%)	12 764	1.03	0.96	1.11
<b>Brain Research Participation</b>					
No	11 164 (71.7%)	15 575			
Yes	8 541 (72.0%)	11 857	1.02	0.95	1.09
<b>Relationship</b>					
Not stable	8 779 (72.6%)	12 095			
Stable	10 926 (71.2%)	15 337	0.94	0.87	1.00

1.6 In your opinion, does *life goals* have an influence on brain health?

Table 6: Q1 Life goals

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	9 441 (74.3%)	12 706			
<= 40	3 017 (67.2%)	4 488	0.71	0.64	0.78
41-60	7 551 (73.3%)	10 302	0.95	0.88	1.03
<b>Education</b>					
Higher	13 811 (73.2%)	18 875			
Lower	6 198 (71.9%)	8 621	0.94	0.87	1.01
<b>Gender</b>					
Woman	14 370 (73.5%)	19 562			
Other/Undisclosed	90 (70.9%)	127	0.88	0.53	1.46
Man	5 549 (71.1%)	7 807	0.89	0.82	0.96
<b>Healthcare Experience</b>					
No	11 978 (70.9%)	16 888			
Yes	8 031 (75.7%)	10 608	1.28	1.19	1.37
<b>Cognitive Health</b>					
Average or above	18 839 (72.9%)	25 846			
Below average	1 170 (70.9%)	1 650	0.91	0.78	1.05
<b>Mental Health</b>					
Average or above	17 521 (73.4%)	23 880			
Below average	2 488 (68.8%)	3 616	0.80	0.72	0.88
<b>Illness Experience</b>					
No	11 891 (72.5%)	16 396			
Yes	8 118 (73.1%)	11 100	1.03	0.96	1.11
<b>Brain Disease Caregiver</b>					
No	10 756 (73.1%)	14 708			
Yes	9 253 (72.4%)	12 788	0.96	0.90	1.03
<b>Brain Research Participation</b>					
No	11 550 (74.0%)	15 611			
Yes	8 459 (71.2%)	11 885	0.87	0.81	0.93
<b>Relationship</b>					
Not stable	8 804 (72.6%)	12 121			
Stable	11 205 (72.9%)	15 375	1.01	0.94	1.09

1.7 In your opinion, does *social environment* have an influence on brain health?

Table 7: Q1 Social environment

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 148 (79.9%)	12 694			
41-60	8 671 (84.1%)	10 306	1.33	1.22	1.46
<= 40	3 919 (87.3%)	4 488	1.73	1.52	1.97
<b>Education</b>					
Higher	15 768 (83.6%)	18 870			
Lower	6 970 (80.9%)	8 618	0.83	0.76	0.91
<b>Gender</b>					
Woman	16 441 (84.1%)	19 559			
Man	6 184 (79.2%)	7 804	0.72	0.66	0.79
Other/Undisclosed	113 (90.4%)	125	1.79	0.81	3.91
<b>Healthcare Experience</b>					
No	13 615 (80.6%)	16 887			
Yes	9 123 (86.1%)	10 601	1.48	1.36	1.62
<b>Cognitive Health</b>					
Average or above	21 472 (83.1%)	25 835			
Below average	1 266 (76.6%)	1 653	0.66	0.57	0.78
<b>Mental Health</b>					
Average or above	19 732 (82.7%)	23 870			
Below average	3 006 (83.1%)	3 618	1.03	0.91	1.16
<b>Illness Experience</b>					
No	13 612 (83.0%)	16 398			
Yes	9 126 (82.3%)	11 090	0.95	0.87	1.03
<b>Brain Disease Caregiver</b>					
No	12 120 (82.4%)	14 705			
Yes	10 618 (83.1%)	12 783	1.05	0.96	1.14
<b>Brain Research Participation</b>					
No	12 983 (83.2%)	15 608			
Yes	9 755 (82.1%)	11 880	0.93	0.85	1.01
<b>Relationship</b>					
Not stable	10 054 (82.9%)	12 122			
Stable	12 684 (82.5%)	15 366	0.97	0.90	1.06

1.8 In your opinion, does *sleeping habits* have an influence on brain health?

Table 8: Q1 Sleeping habits

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 097 (79.6%)	12 685			
41-60	9 166 (89.0%)	10 304	2.06	1.87	2.28
<= 40	4 109 (91.6%)	4 488	2.78	2.39	3.23
<b>Education</b>					
Higher	16 185 (85.8%)	18 863			
Lower	7 187 (83.4%)	8 614	0.83	0.76	0.91
<b>Gender</b>					
Woman	16 921 (86.5%)	19 554			
Man	6 340 (81.3%)	7 796	0.68	0.62	0.74
Other/Undisclosed	111 (87.4%)	127	1.08	0.54	2.16
<b>Healthcare Experience</b>					
No	14 112 (83.6%)	16 874			
Yes	9 260 (87.3%)	10 603	1.35	1.23	1.48
<b>Cognitive Health</b>					
Average or above	21 983 (85.1%)	25 824			
Below average	1 389 (84.0%)	1 653	0.92	0.77	1.10
<b>Mental Health</b>					
Average or above	20 187 (84.6%)	23 857			
Below average	3 185 (88.0%)	3 620	1.33	1.16	1.53
<b>Illness Experience</b>					
No	13 838 (84.5%)	16 384			
Yes	9 534 (85.9%)	11 093	1.13	1.03	1.23
<b>Brain Disease Caregiver</b>					
No	12 549 (85.4%)	14 695			
Yes	10 823 (84.7%)	12 782	0.94	0.87	1.03
<b>Brain Research Participation</b>					
No	13 571 (86.9%)	15 608			
Yes	9 801 (82.6%)	11 869	0.71	0.65	0.78
<b>Relationship</b>					
Not stable	10 479 (86.5%)	12 112			
Stable	12 893 (83.9%)	15 365	0.81	0.74	0.89

1.9 In your opinion, does *physical health* have an influence on brain health?

Table 9: Q1 Physical health

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 976 (86.6%)	12 671			
41-60	9 068 (88.1%)	10 296	1.14	1.03	1.26
<= 40	3 961 (88.4%)	4 483	1.17	1.02	1.34
<b>Education</b>					
Higher	16 697 (88.6%)	18 851			
Lower	7 308 (85.0%)	8 599	0.73	0.66	0.81
<b>Gender</b>					
Woman	17 244 (88.3%)	19 525			
Other/Undisclosed	108 (85.0%)	127	0.75	0.39	1.43
Man	6 653 (85.3%)	7 798	0.77	0.70	0.85
<b>Healthcare Experience</b>					
No	14 454 (85.7%)	16 862			
Yes	9 551 (90.2%)	10 588	1.53	1.39	1.70
<b>Cognitive Health</b>					
Average or above	22 682 (87.9%)	25 802			
Below average	1 323 (80.3%)	1 648	0.56	0.47	0.66
<b>Mental Health</b>					
Average or above	20 948 (87.9%)	23 830			
Below average	3 057 (84.4%)	3 620	0.75	0.66	0.85
<b>Illness Experience</b>					
No	14 462 (88.3%)	16 375			
Yes	9 543 (86.2%)	11 075	0.82	0.75	0.91
<b>Brain Disease Caregiver</b>					
No	12 764 (86.9%)	14 682			
Yes	11 241 (88.0%)	12 768	1.11	1.01	1.22
<b>Brain Research Participation</b>					
No	13 592 (87.2%)	15 588			
Yes	10 413 (87.8%)	11 862	1.06	0.96	1.16
<b>Relationship</b>					
Not stable	10 540 (87.0%)	12 110			
Stable	13 465 (87.8%)	15 340	1.07	0.97	1.18

1.10 In your opinion, does *genetics* have an influence on brain health?

Table 10: Q1 Genetics

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 588 (83.4%)	12 689			
<= 40	3 435 (76.6%)	4 487	0.65	0.58	0.72
41-60	8 610 (83.6%)	10 302	1.01	0.92	1.11
<b>Education</b>					
Higher	15 586 (82.6%)	18 863			
Lower	7 047 (81.8%)	8 615	0.94	0.87	1.03
<b>Gender</b>					
Woman	16 311 (83.4%)	19 556			
Other/Undisclosed	88 (69.8%)	126	0.46	0.28	0.76
Man	6 234 (80.0%)	7 796	0.79	0.73	0.87
<b>Healthcare Experience</b>					
No	13 797 (81.7%)	16 882			
Yes	8 836 (83.4%)	10 596	1.12	1.03	1.22
<b>Cognitive Health</b>					
Average or above	21 319 (82.5%)	25 829			
Below average	1 314 (79.7%)	1 649	0.83	0.70	0.98
<b>Mental Health</b>					
Average or above	19 648 (82.3%)	23 861			
Below average	2 985 (82.5%)	3 617	1.01	0.90	1.14
<b>Illness Experience</b>					
No	13 446 (82.0%)	16 390			
Yes	9 187 (82.9%)	11 088	1.06	0.97	1.15
<b>Brain Disease Caregiver</b>					
No	11 717 (79.7%)	14 693			
Yes	10 916 (85.4%)	12 785	1.48	1.36	1.61
<b>Brain Research Participation</b>					
No	12 644 (81.0%)	15 605			
Yes	9 989 (84.1%)	11 873	1.24	1.14	1.35
<b>Relationship</b>					
Not stable	9 796 (80.9%)	12 115			
Stable	12 837 (83.6%)	15 363	1.20	1.11	1.31

1.11 In your opinion, does *substance use* have an influence on brain health?

Table 11: Q1 Substance use

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 491 (90.5%)	12 692			
<= 40	4 179 (93.2%)	4 485	1.43	1.20	1.69
41-60	9 712 (94.2%)	10 308	1.70	1.49	1.95
<b>Education</b>					
Higher	17 546 (93.0%)	18 866			
Lower	7 836 (90.9%)	8 619	0.75	0.67	0.85
<b>Gender</b>					
Woman	18 238 (93.3%)	19 551			
Other/Undisclosed	109 (85.8%)	127	0.44	0.23	0.84
Man	7 035 (90.1%)	7 807	0.66	0.58	0.74
<b>Healthcare Experience</b>					
No	15 416 (91.3%)	16 886			
Yes	9 966 (94.0%)	10 599	1.50	1.32	1.70
<b>Cognitive Health</b>					
Average or above	23 942 (92.7%)	25 832			
Below average	1 440 (87.1%)	1 653	0.53	0.44	0.65
<b>Mental Health</b>					
Average or above	22 069 (92.5%)	23 866			
Below average	3 313 (91.5%)	3 619	0.88	0.75	1.04
<b>Illness Experience</b>					
No	15 240 (93.0%)	16 395			
Yes	10 142 (91.5%)	11 090	0.81	0.72	0.91
<b>Brain Disease Caregiver</b>					
No	13 525 (92.0%)	14 709			
Yes	11 857 (92.8%)	12 776	1.13	1.00	1.27
<b>Brain Research Participation</b>					
No	14 422 (92.3%)	15 619			
Yes	10 960 (92.4%)	11 866	1.00	0.89	1.13
<b>Relationship</b>					
Not stable	11 151 (92.0%)	12 117			
Stable	14 231 (92.6%)	15 368	1.08	0.96	1.22

## 2 Question 2

### 2.1 In your opinion, is it important to look after one's brain in *in the womb*?

Table 12: Q2 In the womb

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 109 (80.7%)	12 520			
<= 40	3 851 (86.1%)	4 471	1.48	1.31	1.68
41-60	8 852 (86.2%)	10 268	1.49	1.36	1.64
<b>Education</b>					
Higher	16 121 (86.0%)	18 739			
Lower	6 691 (78.5%)	8 520	0.59	0.54	0.65
<b>Gender</b>					
Woman	16 698 (85.9%)	19 433			
Man	6 006 (78.0%)	7 701	0.58	0.53	0.63
Other/Undisclosed	108 (86.4%)	125	1.04	0.53	2.04
<b>Healthcare Experience</b>					
No	13 464 (80.5%)	16 727			
Yes	9 348 (88.8%)	10 532	1.91	1.74	2.10
<b>Cognitive Health</b>					
Average or above	21 570 (84.2%)	25 627			
Below average	1 242 (76.1%)	1 632	0.60	0.51	0.70
<b>Mental Health</b>					
Average or above	19 867 (83.9%)	23 666			
Below average	2 945 (82.0%)	3 593	0.87	0.77	0.98
<b>Illness Experience</b>					
No	13 636 (83.8%)	16 271			
Yes	9 176 (83.5%)	10 988	0.98	0.90	1.07
<b>Brain Disease Caregiver</b>					
No	11 975 (82.1%)	14 577			
Yes	10 837 (85.5%)	12 682	1.28	1.17	1.39
<b>Brain Research Participation</b>					
No	12 988 (83.9%)	15 482			
Yes	9 824 (83.4%)	11 777	0.97	0.89	1.05
<b>Relationship</b>					
Not stable	10 008 (83.2%)	12 027			
Stable	12 804 (84.1%)	15 232	1.06	0.98	1.16

## 2.2 In your opinion, is it important to look after one's brain in *childhood*?

Table 13: Q2 Childhood

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 791 (93.4%)	12 626			
41-60	9 902 (96.2%)	10 297	1.78	1.51	2.09
<= 40	4 322 (96.4%)	4 484	1.89	1.51	2.37
<b>Education</b>					
Higher	18 042 (95.8%)	18 828			
Lower	7 973 (92.9%)	8 579	0.57	0.50	0.66
<b>Gender</b>					
Woman	18 679 (95.7%)	19 518			
Man	7 217 (93.0%)	7 764	0.59	0.51	0.69
Other/Undisclosed	119 (95.2%)	125	0.89	0.30	2.63
<b>Healthcare Experience</b>					
No	15 773 (93.7%)	16 831			
Yes	10 242 (96.8%)	10 576	2.06	1.74	2.43
<b>Cognitive Health</b>					
Average or above	24 506 (95.1%)	25 760			
Below average	1 509 (91.6%)	1 647	0.56	0.44	0.71
<b>Mental Health</b>					
Average or above	22 594 (94.9%)	23 797			
Below average	3 421 (94.8%)	3 610	0.96	0.78	1.19
<b>Illness Experience</b>					
No	15 544 (95.1%)	16 348			
Yes	10 471 (94.7%)	11 059	0.92	0.80	1.06
<b>Brain Disease Caregiver</b>					
No	13 912 (94.9%)	14 662			
Yes	12 103 (95.0%)	12 745	1.02	0.88	1.17
<b>Brain Research Participation</b>					
No	14 798 (95.1%)	15 565			
Yes	11 217 (94.7%)	11 842	0.93	0.81	1.07
<b>Relationship</b>					
Not stable	11 503 (95.2%)	12 085			
Stable	14 512 (94.7%)	15 322	0.91	0.79	1.05

### 2.3 In your opinion, is it important to look after one's brain in *adolescence*?

Table 14: Q2 Adolescence

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	12 074 (95.5%)	12 639			
41-60	10 019 (97.3%)	10 293	1.71	1.41	2.08
<= 40	4 383 (97.9%)	4 479	2.14	1.60	2.85
<b>Education</b>					
Higher	18 268 (97.0%)	18 827			
Lower	8 208 (95.6%)	8 584	0.67	0.56	0.80
<b>Gender</b>					
Woman	18 923 (97.0%)	19 512			
Man	7 433 (95.6%)	7 774	0.68	0.57	0.81
Other/Undisclosed	120 (96.0%)	125	0.75	0.23	2.44
<b>Healthcare Experience</b>					
No	16 146 (95.9%)	16 835			
Yes	10 330 (97.7%)	10 576	1.79	1.48	2.18
<b>Cognitive Health</b>					
Average or above	24 934 (96.8%)	25 766			
Below average	1 542 (93.7%)	1 645	0.50	0.38	0.66
<b>Mental Health</b>					
Average or above	22 998 (96.6%)	23 798			
Below average	3 478 (96.3%)	3 613	0.90	0.70	1.14
<b>Illness Experience</b>					
No	15 795 (96.6%)	16 351			
Yes	10 681 (96.6%)	11 060	0.99	0.83	1.18
<b>Brain Disease Caregiver</b>					
No	14 168 (96.6%)	14 668			
Yes	12 308 (96.6%)	12 743	1.00	0.84	1.19
<b>Brain Research Participation</b>					
No	15 050 (96.7%)	15 571			
Yes	11 426 (96.5%)	11 840	0.96	0.80	1.14
<b>Relationship</b>					
Not stable	11 704 (96.8%)	12 087			
Stable	14 772 (96.4%)	15 324	0.88	0.74	1.04

2.4 In your opinion, is it important to look after one's brain in *young adulthood*?

Table 15: Q2 Young adulthood

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 941 (94.5%)	12 631			
<= 40	4 276 (95.4%)	4 480	1.21	0.98	1.50
41-60	9 925 (96.5%)	10 286	1.59	1.34	1.89
<b>Education</b>					
Higher	17 946 (95.3%)	18 822			
Lower	8 196 (95.6%)	8 575	1.06	0.90	1.24
<b>Gender</b>					
Woman	18 769 (96.2%)	19 505			
Other/Undisclosed	116 (92.8%)	125	0.51	0.21	1.24
Man	7 257 (93.4%)	7 767	0.56	0.48	0.65
<b>Healthcare Experience</b>					
No	15 927 (94.7%)	16 823			
Yes	10 215 (96.6%)	10 574	1.60	1.36	1.89
<b>Cognitive Health</b>					
Average or above	24 608 (95.6%)	25 754			
Below average	1 534 (93.4%)	1 643	0.66	0.50	0.86
<b>Mental Health</b>					
Average or above	22 725 (95.5%)	23 787			
Below average	3 417 (94.7%)	3 610	0.83	0.67	1.02
<b>Illness Experience</b>					
No	15 563 (95.2%)	16 347			
Yes	10 579 (95.7%)	11 050	1.13	0.97	1.32
<b>Brain Disease Caregiver</b>					
No	13 920 (95.0%)	14 654			
Yes	12 222 (95.9%)	12 743	1.24	1.06	1.44
<b>Brain Research Participation</b>					
No	14 847 (95.5%)	15 546			
Yes	11 295 (95.3%)	11 851	0.96	0.82	1.11
<b>Relationship</b>					
Not stable	11 511 (95.3%)	12 085			
Stable	14 631 (95.6%)	15 312	1.07	0.92	1.24

2.5 In your opinion, is it important to look after one's brain in *middle age*?

Table 16: Q2 Middle age

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	12 064 (95.3%)	12 659			
<= 40	4 224 (94.3%)	4 478	0.82	0.67	1.00
41-60	10 004 (97.2%)	10 297	1.68	1.40	2.03
<b>Education</b>					
Higher	18 078 (95.9%)	18 844			
Lower	8 214 (95.6%)	8 590	0.93	0.78	1.09
<b>Gender</b>					
Woman	18 951 (97.0%)	19 536			
Other/Undisclosed	111 (88.8%)	125	0.24	0.12	0.51
Man	7 230 (93.0%)	7 773	0.41	0.35	0.48
<b>Healthcare Experience</b>					
No	16 036 (95.2%)	16 842			
Yes	10 256 (96.8%)	10 592	1.53	1.29	1.82
<b>Cognitive Health</b>					
Average or above	24 746 (96.0%)	25 788			
Below average	1 546 (93.9%)	1 646	0.65	0.49	0.86
<b>Mental Health</b>					
Average or above	22 877 (96.0%)	23 818			
Below average	3 415 (94.4%)	3 616	0.70	0.57	0.86
<b>Illness Experience</b>					
No	15 651 (95.6%)	16 365			
Yes	10 641 (96.1%)	11 069	1.13	0.97	1.33
<b>Brain Disease Caregiver</b>					
No	13 943 (95.1%)	14 668			
Yes	12 349 (96.7%)	12 766	1.54	1.31	1.81
<b>Brain Research Participation</b>					
No	14 907 (95.8%)	15 567			
Yes	11 385 (95.9%)	11 867	1.05	0.89	1.22
<b>Relationship</b>					
Not stable	11 564 (95.6%)	12 097			
Stable	14 728 (96.0%)	15 337	1.11	0.95	1.30

## 2.6 In your opinion, is it important to look after one's brain in *old age*?

Table 17: Q2 Old age

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	12 193 (96.2%)	12 675			
<= 40	4 181 (93.3%)	4 482	0.55	0.45	0.67
41-60	9 962 (96.8%)	10 294	1.19	0.98	1.43
<b>Education</b>					
Higher	18 140 (96.2%)	18 851			
Lower	8 196 (95.3%)	8 600	0.80	0.67	0.94
<b>Gender</b>					
Woman	18 970 (97.1%)	19 545			
Other/Undisclosed	115 (92.0%)	125	0.35	0.15	0.82
Man	7 251 (93.2%)	7 781	0.41	0.35	0.49
<b>Healthcare Experience</b>					
No	16 092 (95.4%)	16 861			
Yes	10 244 (96.7%)	10 590	1.41	1.19	1.68
<b>Cognitive Health</b>					
Average or above	24 789 (96.1%)	25 807			
Below average	1 547 (94.1%)	1 644	0.65	0.49	0.87
<b>Mental Health</b>					
Average or above	22 930 (96.2%)	23 838			
Below average	3 406 (94.3%)	3 613	0.65	0.53	0.80
<b>Illness Experience</b>					
No	15 691 (95.8%)	16 382			
Yes	10 645 (96.2%)	11 069	1.11	0.94	1.30
<b>Brain Disease Caregiver</b>					
No	13 994 (95.3%)	14 680			
Yes	12 342 (96.6%)	12 771	1.41	1.20	1.66
<b>Brain Research Participation</b>					
No	14 899 (95.6%)	15 580			
Yes	11 437 (96.3%)	11 871	1.20	1.02	1.42
<b>Relationship</b>					
Not stable	11 564 (95.5%)	12 106			
Stable	14 772 (96.3%)	15 345	1.21	1.03	1.41

### 3 Question 3

#### 3.1 I associate *alzheimer's* with the brain.

Table 18: Q3 Alzheimer's

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	12 649 (99.3%)	12 737			
<= 40	4 391 (98.0%)	4 479	0.35	0.23	0.51
41-60	10 248 (99.4%)	10 314	1.08	0.71	1.65
<b>Education</b>					
Higher	18 765 (99.3%)	18 889			
Lower	8 523 (98.6%)	8 641	0.48	0.34	0.67
<b>Gender</b>					
Woman	19 467 (99.4%)	19 589			
Man	7 695 (98.5%)	7 815	0.40	0.29	0.56
Other/Undisclosed	126 (100.0%)	126			
<b>Healthcare Experience</b>					
No	16 723 (98.9%)	16 914			
Yes	10 565 (99.5%)	10 616	2.37	1.57	3.56
<b>Cognitive Health</b>					
Average or above	25 654 (99.1%)	25 876			
Below average	1 634 (98.8%)	1 654	0.71	0.39	1.30
<b>Mental Health</b>					
Average or above	23 713 (99.2%)	23 909			
Below average	3 575 (98.7%)	3 621	0.64	0.42	0.98
<b>Illness Experience</b>					
No	16 287 (99.3%)	16 409			
Yes	11 001 (98.9%)	11 121	0.69	0.49	0.96
<b>Brain Disease Caregiver</b>					
No	14 545 (98.8%)	14 721			
Yes	12 743 (99.5%)	12 809	2.34	1.61	3.39
<b>Brain Research Participation</b>					
No	15 453 (98.9%)	15 632			
Yes	11 835 (99.5%)	11 898	2.18	1.49	3.18
<b>Relationship</b>					
Not stable	11 992 (98.8%)	12 137			
Stable	15 296 (99.4%)	15 393	1.91	1.36	2.68

### 3.2 I associate *schizophrenia* with the brain.

Table 19: Q3 Schizophrenia

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	12 119 (95.1%)	12 737			
<= 40	4 315 (96.3%)	4 479	1.34	1.06	1.69
41-60	9 968 (96.6%)	10 314	1.47	1.23	1.75
<b>Education</b>					
Higher	18 235 (96.5%)	18 889			
Lower	8 167 (94.5%)	8 641	0.62	0.53	0.72
<b>Gender</b>					
Woman	18 893 (96.4%)	19 589			
Man	7 389 (94.5%)	7 815	0.64	0.54	0.75
Other/Undisclosed	120 (95.2%)	126	0.74	0.25	2.18
<b>Healthcare Experience</b>					
No	16 119 (95.3%)	16 914			
Yes	10 283 (96.9%)	10 616	1.52	1.28	1.81
<b>Cognitive Health</b>					
Average or above	24 876 (96.1%)	25 876			
Below average	1 526 (92.3%)	1 654	0.48	0.37	0.62
<b>Mental Health</b>					
Average or above	22 929 (95.9%)	23 909			
Below average	3 473 (95.9%)	3 621	1.00	0.80	1.27
<b>Illness Experience</b>					
No	15 781 (96.2%)	16 409			
Yes	10 621 (95.5%)	11 121	0.85	0.72	0.99
<b>Brain Disease Caregiver</b>					
No	14 059 (95.5%)	14 721			
Yes	12 343 (96.4%)	12 809	1.25	1.06	1.46
<b>Brain Research Participation</b>					
No	14 906 (95.4%)	15 632			
Yes	11 496 (96.6%)	11 898	1.39	1.18	1.64
<b>Relationship</b>					
Not stable	11 651 (96.0%)	12 137			
Stable	14 751 (95.8%)	15 393	0.96	0.82	1.12

### 3.3 I associate *depression* with the brain.

Table 20: Q3 Depression

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 998 (94.2%)	12 737			
<= 40	4 275 (95.4%)	4 479	1.29	1.05	1.59
41-60	9 911 (96.1%)	10 314	1.51	1.29	1.78
<b>Education</b>					
Higher	18 060 (95.6%)	18 889			
Lower	8 124 (94.0%)	8 641	0.72	0.62	0.84
<b>Gender</b>					
Woman	18 731 (95.6%)	19 589			
Man	7 332 (93.8%)	7 815	0.70	0.60	0.81
Other/Undisclosed	121 (96.0%)	126	1.11	0.34	3.61
<b>Healthcare Experience</b>					
No	15 993 (94.6%)	16 914			
Yes	10 191 (96.0%)	10 616	1.38	1.18	1.61
<b>Cognitive Health</b>					
Average or above	24 636 (95.2%)	25 876			
Below average	1 548 (93.6%)	1 654	0.74	0.56	0.96
<b>Mental Health</b>					
Average or above	22 696 (94.9%)	23 909			
Below average	3 488 (96.3%)	3 621	1.40	1.10	1.78
<b>Illness Experience</b>					
No	15 607 (95.1%)	16 409			
Yes	10 577 (95.1%)	11 121	1.00	0.86	1.16
<b>Brain Disease Caregiver</b>					
No	13 929 (94.6%)	14 721			
Yes	12 255 (95.7%)	12 809	1.26	1.09	1.46
<b>Brain Research Participation</b>					
No	14 770 (94.5%)	15 632			
Yes	11 414 (95.9%)	11 898	1.38	1.18	1.60
<b>Relationship</b>					
Not stable	11 549 (95.2%)	12 137			
Stable	14 635 (95.1%)	15 393	0.98	0.85	1.14

### 3.4 I associate *bipolar* with the brain.

Table 21: Q3 Bipolar

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 321 (88.9%)	12 737			
<= 40	4 202 (93.8%)	4 479	1.90	1.59	2.26
41-60	9 753 (94.6%)	10 314	2.17	1.90	2.49
<b>Education</b>					
Higher	17 762 (94.0%)	18 889			
Lower	7 514 (87.0%)	8 641	0.42	0.38	0.47
<b>Gender</b>					
Woman	18 332 (93.6%)	19 589			
Man	6 826 (87.3%)	7 815	0.47	0.42	0.53
Other/Undisclosed	118 (93.7%)	126	1.01	0.39	2.60
<b>Healthcare Experience</b>					
No	15 219 (90.0%)	16 914			
Yes	10 057 (94.7%)	10 616	2.00	1.76	2.28
<b>Cognitive Health</b>					
Average or above	23 826 (92.1%)	25 876			
Below average	1 450 (87.7%)	1 654	0.61	0.50	0.75
<b>Mental Health</b>					
Average or above	21 896 (91.6%)	23 909			
Below average	3 380 (93.3%)	3 621	1.29	1.07	1.55
<b>Illness Experience</b>					
No	15 072 (91.9%)	16 409			
Yes	10 204 (91.8%)	11 121	0.99	0.88	1.11
<b>Brain Disease Caregiver</b>					
No	13 311 (90.4%)	14 721			
Yes	11 965 (93.4%)	12 809	1.50	1.34	1.69
<b>Brain Research Participation</b>					
No	14 149 (90.5%)	15 632			
Yes	11 127 (93.5%)	11 898	1.51	1.34	1.70
<b>Relationship</b>					
Not stable	11 232 (92.5%)	12 137			
Stable	14 044 (91.2%)	15 393	0.84	0.75	0.94

### 3.5 I associate *anxiety* with the brain.

Table 22: Q3 Anxiety

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 336 (89.0%)	12 737			
<= 40	4 126 (92.1%)	4 479	1.44	1.23	1.70
41-60	9 550 (92.6%)	10 314	1.54	1.37	1.74
<b>Education</b>					
Higher	17 310 (91.6%)	18 889			
Lower	7 702 (89.1%)	8 641	0.75	0.67	0.84
<b>Gender</b>					
Woman	17 905 (91.4%)	19 589			
Man	6 987 (89.4%)	7 815	0.79	0.71	0.89
Other/Undisclosed	120 (95.2%)	126	1.88	0.64	5.55
<b>Healthcare Experience</b>					
No	15 250 (90.2%)	16 914			
Yes	9 762 (92.0%)	10 616	1.25	1.11	1.40
<b>Cognitive Health</b>					
Average or above	23 536 (91.0%)	25 876			
Below average	1 476 (89.2%)	1 654	0.82	0.67	1.02
<b>Mental Health</b>					
Average or above	21 627 (90.5%)	23 909			
Below average	3 385 (93.5%)	3 621	1.51	1.26	1.82
<b>Illness Experience</b>					
No	14 870 (90.6%)	16 409			
Yes	10 142 (91.2%)	11 121	1.07	0.96	1.20
<b>Brain Disease Caregiver</b>					
No	13 266 (90.1%)	14 721			
Yes	11 746 (91.7%)	12 809	1.21	1.09	1.35
<b>Brain Research Participation</b>					
No	14 048 (89.9%)	15 632			
Yes	10 964 (92.1%)	11 898	1.32	1.18	1.48
<b>Relationship</b>					
Not stable	11 027 (90.9%)	12 137			
Stable	13 985 (90.9%)	15 393	1.00	0.90	1.11

### 3.6 I associate *addiction* with the brain.

Table 23: Q3 Addiction

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 025 (86.6%)	12 737			
41-60	9 263 (89.8%)	10 314	1.37	1.23	1.52
<= 40	4 059 (90.6%)	4 479	1.50	1.29	1.74
<b>Education</b>					
Higher	17 005 (90.0%)	18 889			
Lower	7 342 (85.0%)	8 641	0.63	0.57	0.69
<b>Gender</b>					
Woman	17 634 (90.0%)	19 589			
Man	6 599 (84.4%)	7 815	0.60	0.54	0.67
Other/Undisclosed	114 (90.5%)	126	1.05	0.48	2.31
<b>Healthcare Experience</b>					
No	14 542 (86.0%)	16 914			
Yes	9 805 (92.4%)	10 616	1.97	1.77	2.20
<b>Cognitive Health</b>					
Average or above	22 952 (88.7%)	25 876			
Below average	1 395 (84.3%)	1 654	0.69	0.57	0.82
<b>Mental Health</b>					
Average or above	21 109 (88.3%)	23 909			
Below average	3 238 (89.4%)	3 621	1.12	0.97	1.30
<b>Illness Experience</b>					
No	14 492 (88.3%)	16 409			
Yes	9 855 (88.6%)	11 121	1.03	0.93	1.14
<b>Brain Disease Caregiver</b>					
No	12 859 (87.4%)	14 721			
Yes	11 488 (89.7%)	12 809	1.26	1.14	1.39
<b>Brain Research Participation</b>					
No	13 645 (87.3%)	15 632			
Yes	10 702 (89.9%)	11 898	1.30	1.18	1.44
<b>Relationship</b>					
Not stable	10 825 (89.2%)	12 137			
Stable	13 522 (87.8%)	15 393	0.88	0.79	0.97

### 3.7 I associate *stroke* with the brain.

Table 24: Q3 Stroke

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	11 174 (87.7%)	12 737			
<= 40	3 785 (84.5%)	4 479	0.76	0.67	0.87
41-60	9 206 (89.3%)	10 314	1.16	1.04	1.29
<b>Education</b>					
Higher	16 671 (88.3%)	18 889			
Lower	7 494 (86.7%)	8 641	0.87	0.79	0.96
<b>Gender</b>					
Woman	17 612 (89.9%)	19 589			
Man	6 440 (82.4%)	7 815	0.53	0.48	0.58
Other/Undisclosed	113 (89.7%)	126	0.98	0.46	2.08
<b>Healthcare Experience</b>					
No	14 292 (84.5%)	16 914			
Yes	9 873 (93.0%)	10 616	2.44	2.18	2.73
<b>Cognitive Health</b>					
Average or above	22 748 (87.9%)	25 876			
Below average	1 417 (85.7%)	1 654	0.82	0.68	0.99
<b>Mental Health</b>					
Average or above	21 018 (87.9%)	23 909			
Below average	3 147 (86.9%)	3 621	0.91	0.80	1.05
<b>Illness Experience</b>					
No	14 228 (86.7%)	16 409			
Yes	9 937 (89.4%)	11 121	1.29	1.17	1.42
<b>Brain Disease Caregiver</b>					
No	12 575 (85.4%)	14 721			
Yes	11 590 (90.5%)	12 809	1.62	1.47	1.79
<b>Brain Research Participation</b>					
No	13 555 (86.7%)	15 632			
Yes	10 610 (89.2%)	11 898	1.26	1.15	1.39
<b>Relationship</b>					
Not stable	10 537 (86.8%)	12 137			
Stable	13 628 (88.5%)	15 393	1.17	1.07	1.29

### 3.8 I associate *parkinson's* with the brain.

Table 25: Q3 Parkinson's

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	10 961 (86.1%)	12 737			
<= 40	3 727 (83.2%)	4 479	0.80	0.71	0.91
41-60	9 021 (87.5%)	10 314	1.13	1.02	1.25
<b>Education</b>					
Higher	16 612 (87.9%)	18 889			
Lower	7 097 (82.1%)	8 641	0.63	0.57	0.69
<b>Gender</b>					
Woman	17 017 (86.9%)	19 589			
Man	6 585 (84.3%)	7 815	0.81	0.73	0.89
Other/Undisclosed	107 (84.9%)	126	0.85	0.45	1.62
<b>Healthcare Experience</b>					
No	14 054 (83.1%)	16 914			
Yes	9 655 (90.9%)	10 616	2.04	1.85	2.26
<b>Cognitive Health</b>					
Average or above	22 337 (86.3%)	25 876			
Below average	1 372 (83.0%)	1 654	0.77	0.65	0.92
<b>Mental Health</b>					
Average or above	20 658 (86.4%)	23 909			
Below average	3 051 (84.3%)	3 621	0.84	0.74	0.96
<b>Illness Experience</b>					
No	14 066 (85.7%)	16 409			
Yes	9 643 (86.7%)	11 121	1.09	0.99	1.19
<b>Brain Disease Caregiver</b>					
No	12 381 (84.1%)	14 721			
Yes	11 328 (88.4%)	12 809	1.45	1.32	1.58
<b>Brain Research Participation</b>					
No	13 190 (84.4%)	15 632			
Yes	10 519 (88.4%)	11 898	1.41	1.29	1.55
<b>Relationship</b>					
Not stable	10 314 (85.0%)	12 137			
Stable	13 395 (87.0%)	15 393	1.18	1.08	1.30

### 3.9 I associate *migraine* with the brain.

Table 26: Q3 Migraine

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	9 880 (77.6%)	12 737			
41-60	8 870 (86.0%)	10 314	1.78	1.62	1.95
<= 40	3 954 (88.3%)	4 479	2.18	1.91	2.48
<b>Education</b>					
Higher	15 915 (84.3%)	18 889			
Lower	6 789 (78.6%)	8 641	0.69	0.63	0.75
<b>Gender</b>					
Woman	16 366 (83.5%)	19 589			
Man	6 232 (79.7%)	7 815	0.78	0.71	0.85
Other/Undisclosed	106 (84.1%)	126	1.04	0.56	1.96
<b>Healthcare Experience</b>					
No	13 446 (79.5%)	16 914			
Yes	9 258 (87.2%)	10 616	1.76	1.61	1.92
<b>Cognitive Health</b>					
Average or above	21 407 (82.7%)	25 876			
Below average	1 297 (78.4%)	1 654	0.76	0.65	0.89
<b>Mental Health</b>					
Average or above	19 708 (82.4%)	23 909			
Below average	2 996 (82.7%)	3 621	1.02	0.90	1.15
<b>Illness Experience</b>					
No	13 431 (81.9%)	16 409			
Yes	9 273 (83.4%)	11 121	1.11	1.02	1.21
<b>Brain Disease Caregiver</b>					
No	11 912 (80.9%)	14 721			
Yes	10 792 (84.3%)	12 809	1.26	1.16	1.37
<b>Brain Research Participation</b>					
No	12 796 (81.9%)	15 632			
Yes	9 908 (83.3%)	11 898	1.10	1.02	1.20
<b>Relationship</b>					
Not stable	9 976 (82.2%)	12 137			
Stable	12 728 (82.7%)	15 393	1.03	0.95	1.12

3.10 I associate *cancer* with the brain.

Table 27: Q3 Cancer

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	3 627 (28.5%)	12 737			
41-60	3 513 (34.1%)	10 314	1.30	1.21	1.40
<= 40	1 709 (38.2%)	4 479	1.55	1.41	1.70
<b>Education</b>					
Higher	6 457 (34.2%)	18 889			
Lower	2 392 (27.7%)	8 641	0.74	0.68	0.79
<b>Gender</b>					
Woman	6 623 (33.8%)	19 589			
Man	2 179 (27.9%)	7 815	0.76	0.70	0.82
Other/Undisclosed	47 (37.3%)	126	1.16	0.72	1.88
<b>Healthcare Experience</b>					
No	4 634 (27.4%)	16 914			
Yes	4 215 (39.7%)	10 616	1.74	1.63	1.87
<b>Cognitive Health</b>					
Average or above	8 381 (32.4%)	25 876			
Below average	468 (28.3%)	1 654	0.82	0.71	0.95
<b>Mental Health</b>					
Average or above	7 625 (31.9%)	23 909			
Below average	1 224 (33.8%)	3 621	1.09	0.99	1.20
<b>Illness Experience</b>					
No	5 099 (31.1%)	16 409			
Yes	3 750 (33.7%)	11 121	1.13	1.05	1.21
<b>Brain Disease Caregiver</b>					
No	4 390 (29.8%)	14 721			
Yes	4 459 (34.8%)	12 809	1.26	1.18	1.34
<b>Brain Research Participation</b>					
No	4 801 (30.7%)	15 632			
Yes	4 048 (34.0%)	11 898	1.16	1.09	1.24
<b>Relationship</b>					
Not stable	3 892 (32.1%)	12 137			
Stable	4 957 (32.2%)	15 393	1.01	0.94	1.08

### 3.11 I associate *hypertension* with the brain.

Table 28: Q3 Hypertension

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	4 353 (34.2%)	12 737			
<= 40	1 136 (25.4%)	4 479	0.65	0.59	0.72
41-60	3 247 (31.5%)	10 314	0.88	0.82	0.95
<b>Education</b>					
Higher	6 326 (33.5%)	18 889			
Lower	2 410 (27.9%)	8 641	0.77	0.71	0.83
<b>Gender</b>					
Woman	6 610 (33.7%)	19 589			
Man	2 074 (26.5%)	7 815	0.71	0.66	0.77
Other/Undisclosed	52 (41.3%)	126	1.38	0.86	2.20
<b>Healthcare Experience</b>					
No	4 214 (24.9%)	16 914			
Yes	4 522 (42.6%)	10 616	2.24	2.09	2.39
<b>Cognitive Health</b>					
Average or above	8 247 (31.9%)	25 876			
Below average	489 (29.6%)	1 654	0.90	0.78	1.04
<b>Mental Health</b>					
Average or above	7 713 (32.3%)	23 909			
Below average	1 023 (28.3%)	3 621	0.83	0.75	0.92
<b>Illness Experience</b>					
No	4 940 (30.1%)	16 409			
Yes	3 796 (34.1%)	11 121	1.20	1.12	1.29
<b>Brain Disease Caregiver</b>					
No	4 044 (27.5%)	14 721			
Yes	4 692 (36.6%)	12 809	1.53	1.43	1.63
<b>Brain Research Participation</b>					
No	4 662 (29.8%)	15 632			
Yes	4 074 (34.2%)	11 898	1.23	1.15	1.31
<b>Relationship</b>					
Not stable	3 738 (30.8%)	12 137			
Stable	4 998 (32.5%)	15 393	1.08	1.01	1.16

3.12 I associate *diabetes* with the brain.

Table 29: Q3 Diabetes

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	1 943 (15.3%)	12 737			
<= 40	658 (14.7%)	4 479	0.96	0.84	1.09
41-60	1 775 (17.2%)	10 314	1.15	1.05	1.27
<b>Education</b>					
Higher	3 271 (17.3%)	18 889			
Lower	1 105 (12.8%)	8 641	0.70	0.64	0.77
<b>Gender</b>					
Woman	3 265 (16.7%)	19 589			
Man	1 079 (13.8%)	7 815	0.80	0.73	0.88
Other/Undisclosed	32 (25.4%)	126	1.70	1.00	2.89
<b>Healthcare Experience</b>					
No	1 793 (10.6%)	16 914			
Yes	2 583 (24.3%)	10 616	2.71	2.49	2.96
<b>Cognitive Health</b>					
Average or above	4 117 (15.9%)	25 876			
Below average	259 (15.7%)	1 654	0.98	0.82	1.17
<b>Mental Health</b>					
Average or above	3 875 (16.2%)	23 909			
Below average	501 (13.8%)	3 621	0.83	0.73	0.95
<b>Illness Experience</b>					
No	2 405 (14.7%)	16 409			
Yes	1 971 (17.7%)	11 121	1.25	1.15	1.37
<b>Brain Disease Caregiver</b>					
No	1 995 (13.6%)	14 721			
Yes	2 381 (18.6%)	12 809	1.46	1.34	1.59
<b>Brain Research Participation</b>					
No	2 320 (14.8%)	15 632			
Yes	2 056 (17.3%)	11 898	1.20	1.10	1.31
<b>Relationship</b>					
Not stable	1 934 (15.9%)	12 137			
Stable	2 442 (15.9%)	15 393	0.99	0.91	1.08

3.13 I associate *arthritis* with the brain.

Table 30: Q3 Arthritis

Variable/Subgroup	Descriptive		Inferential		
	Positive	N	OR	CI (99%)	
				Lower	Upper
<b>Age</b>					
>= 61	578 (4.5%)	12 737			
<= 40	205 (4.6%)	4 479	1.01	0.81	1.25
41-60	535 (5.2%)	10 314	1.15	0.98	1.35
<b>Education</b>					
Higher	920 (4.9%)	18 889			
Lower	398 (4.6%)	8 641	0.94	0.80	1.11
<b>Gender</b>					
Woman	1 005 (5.1%)	19 589			
Man	305 (3.9%)	7 815	0.75	0.63	0.89
Other/Undisclosed	8 (6.3%)	126	1.25	0.49	3.23
<b>Healthcare Experience</b>					
No	577 (3.4%)	16 914			
Yes	741 (7.0%)	10 616	2.12	1.83	2.46
<b>Cognitive Health</b>					
Average or above	1 216 (4.7%)	25 876			
Below average	102 (6.2%)	1 654	1.33	1.01	1.75
<b>Mental Health</b>					
Average or above	1 151 (4.8%)	23 909			
Below average	167 (4.6%)	3 621	0.96	0.77	1.19
<b>Illness Experience</b>					
No	641 (3.9%)	16 409			
Yes	677 (6.1%)	11 121	1.59	1.38	1.84
<b>Brain Disease Caregiver</b>					
No	622 (4.2%)	14 721			
Yes	696 (5.4%)	12 809	1.30	1.13	1.51
<b>Brain Research Participation</b>					
No	737 (4.7%)	15 632			
Yes	581 (4.9%)	11 898	1.04	0.90	1.20
<b>Relationship</b>					
Not stable	631 (5.2%)	12 137			
Stable	687 (4.5%)	15 393	0.85	0.74	0.99

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