Coefficients from multilevel modelling

Variable	Coefficient[4]	Odds Ratio[5]	Approximate equivalent percentage point change[6]	Comparator(s)
When I'm worried about something I can talk to my mum or dad - True	0.753	2.123	14.2%	Those stating "neither true nor not true" or "don't know" to the same questions
When I'm worried about something I can talk to my mum or dad - Not True	-0.299	0.741	-6.9%	
I have one or more good friends - True	0.585	1.795	11.5%	
I have one or more good friends - Not True	-0.178	0.837	-4.1%	
When I'm worried about something I can talk to my friends - True	0.426	1.531	8.7%	
When I'm worried about something I can talk to my friends - Not True	-0.155	0.856 -	3.5%	
When I'm worried about something I can talk to an adult who isn't my mum or dad - True	0.274	1.316	5.8%	
When I'm worried about something I can talk to an adult who isn't my mum or dad - Not True	-0.10	0.903	-2.3%	
How often do you - sit down for a meal with the people you live with - Often	0.469	1.598	9.4%	Those stating "never" or "not sure" when asked the same questions.
How often do you - sit down for a meal with the people you live with - Sometimes	0.133	1.142	2.9%	
How often do you - talk to the people you live with about your day at school - Often	0.242	1.274	5.1%	
How often do you - talk to the people you live with about your day at school - Sometimes	-0.042	0.959	-0.9	
How often do you - get help with homework from people you live with - Often	0.202	1.224	4.3%	
How often do you - get help with homework from people you live with - Sometimes	0.014	1.014	0.3%	
Often worry about - Being bullied	-0.186	0.830	-4.2%	Those not indicating that they worry about the same issues
Often worry about - School work and exams	0.054	1.055	1.2%	
Often worry about - Relationships/girlfriends/boyfriends	-0.203	0.817	-4.6%	
Often worry about - Sex	0.143	1.154	3.1%	
Often worry about - Being healthy	-0.053	0.948	-1.2%	
Often worry about - Money	-0.266	0.766	-6.1%	
Often worry about - Friendships	-0.082	0.921	-1.8%	
Often worry about - What to do after Year 11	0.003	1.003	0.1%	
Often worry about - My parents or family	-0.507	0.602	-12.0%	
Often worry about - Being a victim of crime	-0.076	0.927	-1.7%	
Often worry about - The way I look	-0.408	0.665	-9.6%	

Coefficients from multilevel modelling *cont'd*

Variable	Coefficient[4]	Odds Ratio[5]	Approximate equivalent percentage point change[6]	Comparator(s)
Been bullied in the last year	-0.560	0.571	-13.3%	Those not indicating that they take part in each of the relevant activities
Free time - Local park or playground	0.084	1.088	1.8%	
Free time - Sports club or class	0.134	1.143	2.9%	
Free time - A Youth centre or club to take part in organised activities	*-0.013*	0.987	-0.3%	
Free time - A Youth centre or club with few organised activities	*-0.023*	0.978	-0.5%	
Free time - Religious, faith, community group	*0.036*	1.037	0.8%	
Free time - Art, craft, dance, drama, film/video group outside school lessons	-0.078	0.925	-1.7%	
Free time - Music group or lesson	*-0.013*	0.987	-0.3%	
Free time - Given time to help charity, voluntary group	*-0.035*	0.966	-0.85	
Free time - Something else	-0.124	0.884	-2.8%	
How many of the five a day fruit and vegetables did you eat yesterday? – Five	0.326	1.385	6.8%	Those who eat no fruit/veg or don't know how much they eat. Those not indicating smoking, drinking and taking drugs.
How many of the five a day fruit and vegetables did you eat yesterday? - Three or four	0.193	1.213	4.1%	
How many of the five a day fruit and vegetables did you eat yesterday? - One or two	0.174	1.190	3.7%	
Been drunk at least once in the past 4 weeks	*-0.021*	1.005	0.1%	
Currently smoke	-0.190	0.827	-4.3%	
Taken drugs at least once in the past 4 weeks	*-0.107*	0.898	-2.4%	
Indicated having a disability	*-0.104*	0.901	-2.3%	Those not indicating having a disability
Deciles of IDACI within data set	*0.006*	1.006	0.1%	Difference between lowest decile and highest decile
Do you have free school meals? – Yes	*-0.064*	0.938	-1.4%	Those not indicating receiving free school meals
Female pupil	-0.367	0.693	-8.6%	Boys
Year 8 pupil	-0.186	0.830	-4.2%	Year 6
Year 10 pupil	-0.367	0.693	-8.5%	Year 6

4   The coefficient represents the change in the log of the odds of a young person stating that they feel happy at the moment associated with the characteristic in question. For the purposes of this paper these coefficients are used to rank the relative importance of different variables. Any coefficients that are not statistically significant at the 5% level are displayed in italics.

5   Odds ratios are the factor by which the odds of a young person stating that they are happy increase when they have the given characteristic. Odds ratio are often written up as the number of "times as likely" an individual is to give a particular response, however, it should be remembered in such a statement that we are dealing with odds rather than probabilities.

6   This is to give an idea of the size of the effects described as odds ratios in the previous column. This column shows the change in percentage points that would result from an increase in odds as given in the previous column if we started from a probability of 67 per cent (the national percentage stating that they are happy). These figures could be described as the approximate percentage point increase/decrease in chances of a young person stating that they are happy, associated with the given characteristic.