

1 **Appendix 1. HEAF questions, response categories, coded analysis variables and reference categories (in italics).**

Question	Response categories	Further coding for analysis
Do you have any of the following qualifications?	o/gcse levels; a levels; vocational cert; university degree; higher professional qualification	no qualifications/school level vs <i>vocational training certificate</i> vs university degree/higher
How well do you feel you are managing financially these days?	<i>living comfortably/doing alright/just about getting by</i> ; finding it difficult/very difficult to make ends meet	
In an average week, outside work, roughly how many hours would you spend doing the following activities? Please give your height and your weight	hours per week physical activities sufficient to make you hot or sweaty height reported in feet and inches, or centimetres weight reported in stones and pounds, or kilograms	<i>any hours</i> vs no hours Converted to height in metres and weight in kilograms. BMI in kg/m ² calculated as height divided by the square of weight, and categorised as: normal/underweight <25kg/m ² ; <i>overweight</i> 25-29.9kg/m ² ; ≥30kg/m ² (obese/severely obese). Smoker status coded as: <i>never</i> , ex/current
Have you ever smoked regularly? If yes, do you still smoke regularly?	no; yes response categories for both questions	
In general would you say your health is?	excellent; very good; good; fair; poor	'at least good' vs 'fair/poor'
Which of the following best describes your walking speed?	unable to walk; very slow; stroll at an easy pace; normal pace; fairly brisk; fast	'unable to walk/very slow' vs ' <i>stroll at an easy pace/normal pace/fairly brisk/fast</i> '
<i>The following items were completed by employed or self-employed people only</i>		
Question	Response categories	Further coding for analysis
How satisfied are you with your job as a whole?	very satisfied; satisfied; dissatisfied; very dissatisfied	<i>very satisfied/satisfied</i> vs dissatisfied/very dissatisfied
Currently, how well do you cope with the physical demand of the job?	easily; with some difficulty; with great difficulty; not coping	<i>easily</i> vs at least some difficulty
Currently, how well do you cope with the mental demand of the job?	easily; with some difficulty; with great difficulty; not coping	<i>easily</i> vs at least some difficulty

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