

BRHS 2005 Questionnaire data

Data notes and Questionnaire coding instructions protocol



2005 (Q05)

Questionnaire method	Self-Administered postal questionnaire
Type of questionnaire	Structured questionnaire with open-ended questions coded using a questionnaire coding protocol
BRHS study time point (Year of follow-up)	25-27 year follow-up
Year	2005
Mailing dates	30/3/2005 - 6/5/2005 with reminders sent at 6 weeks
Age range of sample	64-87
Number of completed questionnaires	3540
Response rate %	79%

BRHS 2005 (Q05) Questionnaire: Data notes and questionnaire coding instructions protocol

Data notes and coding

Notes on coding inconsistencies, known errors, other data anomalies and additional response codes introduced during the coding stage are made for each affected question. Where possible recommendation on how the data can be treated is given.

Coding of open-ended questions: Responses to open-ended questions were coded (given numerical codes/categorised) using a questionnaire coding instructions protocol.

General coding instructions

Responses of Yes and No

Throughout the questionnaire a “**yes**” response is coded as 1 and a “**no**” response is coded as 2.
1=Yes, 2=No

Missing values

Missing values are left blank and become dots(.) in the data file. See also coding notes for individual questions.

Data notes

Known data errors/inconsistencies.

BRITISH REGIONAL HEART STUDY

BRHS 2005 (Q05) Questionnaire Coding schedule

GENERAL

Yes = 1, No = 2. Round down values less than 1, except for alcohol.

Coders

1= MT, 2= LL, 3= SR, 4=TM

Q2.1

Other Heart and Circulation Problems

- 1 Irregular Heartbeat
- 2 Pacemaker
- 3 Valve Related
- 4 Cardiomyopathy
- 9 Other

Q4.0g

INVESTIGATIONS

Make sure that information is correctly recorded elsewhere.

Aortic Graft= Aortic Aneurysm, Heart related = Other Heart Trouble, Cardiac Catheter = Angiogram

- 1 Valve related
- 2 Pacemaker
- 3 Surgery on arteries
- 9 Other

Q6.0

CANCER

(See ICD 9 for additional codes)

- 165 Respiratory Unspecified
- 162 Trachea, Lung and Bronchus
- 161 Larynx
- 175 Breast
- 193 Thyroid
- 145 Oral (Lip, Salivary glands, Pharynx, Tongue)
- 159 Gastrointestinal Unspecified
- 150 Oesophagus
- 151 Stomach
- 152 Bowel
- 153 Colon
- 154 Rectum
- 157 Pancreas
- 155 Liver
- 185 Prostate
- 186 Testes
- 187 Genito-urinary Unspecified
- 188 Bladder
- 189 Kidney
- 208 Blood Unspecified
- 207 Leukaemia
- 208 Lymphoma /CLL
- 170 Bone all sites
- 171 Connective and other soft tissue
- 172 Skin Unspecified / Melanoma
- 172 Rodent Ulcer
- 190 Eye
- 191 Brain Tumour
- 192 Other Neurological Sites
- 194 Endocrine glands
- 195 Malignant neoplasms of other and ill-defined sites

239 Neoplasms of unspecified nature 239 Type not known		
7.0n	Other Medical Conditions	Use ICD 9
8.0	Liver Disease	1= if anything recorded
9.1	ARTHRITIS	1 Gout 2 Polymyalgia Rheumatic Arthritis PMR 3 Psoriasis Arthritis 4 Ankylosing Spondylitis 5 Reactive Arthritis 6 Multiple kinds of Arthritis 8 Unspecified Arthritis 9 Other
9.2	JOINTS AFFECTED	Fingers and Knuckles = Hands, Toes and Ankles =Feet 1 Elbows/ Arms 2 Upper Limbs 3 Lower Limbs 4 Facial (Jaw) 5 Other Multi Combination
10.0	JOINT PAIN, SWELLING OF STIFFNESS	As Q9.2 above
12.3	Falls & Fractures	Several Code as 3
13.0	OPERATIONS	1 if anything operation is listed. <u>Note:</u> Due to coding errors, any numbers >1 for variables q05q13_0xa q05q13_0xb q05q13_0xc should be recoded to 1 to mean that an operation was listed.
17.1	LEG PAIN	1 Claudication, narrowing of arteries 2 Musculoskeletal 3 All others
17.6	Site of leg pain	When leg pain is marked, code the left and right leg separately as follows: -
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Front</p> </div> <div style="text-align: center;"> <p>Back</p> </div> <div style="text-align: left;"> <p>1 =calf muscles (takes priority) 2 =thigh or buttock 3 =pain in other site 4 =no pain in that leg</p> </div> </div>		

19.4	STOP SMOKING REASON	1=If anything recorded																																																																				
21.2	ALCOHOL	Always take the highest value ½ pint = 1 drink																																																																				
23.8	HEALTH SCALE	Range from 0-100. Estimate the point on the scale																																																																				
24.6	SPORTING ACTIVITIES (taken from Q20)	Round DOWN to nearest hour 01 Bowls/skittles 02 Swimming 03 Golf 04 Cycling 05 Racket sports (tennis, badminton, squash, table tennis) 06 Dancing 07 Rowing 08 Walking, Hiking 09 Fitness, weight training, Gym, Running, jogging 10 Fishing 11 Other																																																																				
23.4	SLEEP	Round down to nearest hour																																																																				
26.1a	MEDICINES TREATMENT TO LOWER BLOOD CHOLESTEROL <u>NAME OF MEDICINE (CHOLESTEROL LOWERING DRUGS)</u> List created using BNF 49 If more than one recorded give priority to STATINS First digit denotes the type, Second digit provides the drug name <table border="0"> <tr> <td>Fibrates</td> <td>11</td> <td>Bezafibrate,</td> <td>Bezalip, Bezalip mono Liparol XL, Bezagen XL, Zimbacol XL</td> </tr> <tr> <td></td> <td>12</td> <td>Ciprofibrate</td> <td>Modalim</td> </tr> <tr> <td></td> <td>13</td> <td>Fenofibrate</td> <td>Lipantil, Supralip 160</td> </tr> <tr> <td></td> <td>14</td> <td>Gemfibrozil</td> <td>Lopid</td> </tr> <tr> <td>Statins</td> <td>20</td> <td colspan="2">STATIN so described</td> </tr> <tr> <td></td> <td>21</td> <td>Atorvastatin</td> <td>Lipitor</td> </tr> <tr> <td></td> <td>22</td> <td>Fluvastatin</td> <td>Lescol</td> </tr> <tr> <td></td> <td>23</td> <td>Pravastatin</td> <td>Lipostat</td> </tr> <tr> <td></td> <td>24</td> <td>Simvastatin</td> <td>Zocor</td> </tr> <tr> <td></td> <td>25</td> <td>Rosuvastatin</td> <td>Crestor</td> </tr> <tr> <td>Anion-exchange resin</td> <td>31</td> <td>Colestyramine</td> <td>Questran, Questran light</td> </tr> <tr> <td></td> <td>32</td> <td>Colestipol Hydrochloride</td> <td>Colestid</td> </tr> <tr> <td>Nicotinic acid group</td> <td>41</td> <td>Acipimox</td> <td>Olbetam</td> </tr> <tr> <td></td> <td>42</td> <td>Nicotinic acid</td> <td>Niaspan</td> </tr> <tr> <td>Fish oils</td> <td>51</td> <td>OMEGA-3-Acid Ethyl esters</td> <td>Omacor</td> </tr> <tr> <td></td> <td>52</td> <td>OMEGA-3-Marine Triglycerides</td> <td>Maxepa</td> </tr> <tr> <td>Ezetimibe</td> <td>61</td> <td>Ezetrol</td> <td></td> </tr> </table>		Fibrates	11	Bezafibrate,	Bezalip, Bezalip mono Liparol XL, Bezagen XL, Zimbacol XL		12	Ciprofibrate	Modalim		13	Fenofibrate	Lipantil, Supralip 160		14	Gemfibrozil	Lopid	Statins	20	STATIN so described			21	Atorvastatin	Lipitor		22	Fluvastatin	Lescol		23	Pravastatin	Lipostat		24	Simvastatin	Zocor		25	Rosuvastatin	Crestor	Anion-exchange resin	31	Colestyramine	Questran, Questran light		32	Colestipol Hydrochloride	Colestid	Nicotinic acid group	41	Acipimox	Olbetam		42	Nicotinic acid	Niaspan	Fish oils	51	OMEGA-3-Acid Ethyl esters	Omacor		52	OMEGA-3-Marine Triglycerides	Maxepa	Ezetimibe	61	Ezetrol	
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27.0

Details of **ALL medicines** (up to 10 medicines)**MEDICINES TABLE****USE BNF 44 SOURCE: WEBNF 44 28/03/03**

Use British National Formulary (BNF) codes for coding of medicines (1-13) and ICD 9 codes (3 digits) for reason for taking the medicine in coding boxes on questionnaire. Ignore 4th digit.

Coding boxes for BNF codes

1 2 3 4 5 6

Medicine (BNF codes)

--	--	--	--	--	--

Reason for taking code as ICD9 (3 digits)

--	--	--

Enter **chapter** in coding boxes 1&2,
section in coding boxes 3&4,
 sub-section coding box 5 and
 further sub-section in coding box 6

Example: A man reports taking warfarin for Atrial fibrillation

Enter **chapter:** in coding boxes 1&2 = 02
section: in coding boxes 3&4 = 08
 sub-section: coding box 5 = 2
 further sub-section: in coding box 6 = 0

ICD 9 code for Atrial Fibrillation = 427



0	2	0	8	2	0
				4	2
					7

**MEDICINES
(1-10)**

Coded using the British National Formulary (BNF) codes as above.

Cholesterol Lowering Drugs	Split into subcategories
Statins	02.12.0.1 (Atorvastatin, Fluvastatin, Pravastatin, Rosuvastatin, simvastatin, Statin so described)
Bile acid sequestrants	02.12.0.2
Ezetimibe	02.12.0.3
Fibrates	02.12.0.4
Nicotinic acid group	02.12.0.5
Omega 3 fatty acid compounds	02.12.0.6
Local sclerosants	02.12.0.7

**REASON for taking
medicine
(1-10)**

Reason is coded using ICD 9 Codes.
 Coded only for Heart related conditions or when Medicine code (BNF code) begins with **02**
 CVD & Diabetes Medications take priority.

COMMON ICD CODES

Prevention/ Dr orders	888	Blood Pressure/hypertension	401
Heart related	429	Angina	413
Circulation/ Blood related	459	Heart Attack	410
To thin Blood (anticoagulant)/ blood clots	459	Irregular heartbeat	427
Water/ Fluid Retention Oedema	457	Heart Failure	428
Pain Relief	729	Stroke	436
Leaking Heart valve	396	Diabetes	250
Cholesterol/ Lipids	272	Arthritis	716
Glaucoma	365	TIA	435

28.0 **Vitamins, minerals and complementary therapies**

Coding of Vitamins and Minerals in the 6 OFFICE USE boxes

**VITAMINS
MINERALS**

AND

- 50.01.0.0 Vitamin **A**
- 50.02.0.0 Vitamin **B**
- 50.03.0.0 Vitamin **C**
- 50.04.0.0 Vitamin **D**
- 50.05.0.0 Vitamin **E**
- 50.06.0.0 Folic Acid
- 50.09.0.0 Mixed / Multi Vitamin

- 50.10.0.0 **Multi Vitamin & Minerals**
- OILS**
- 50.11.0.0 Cod liver Oil
- 50.12.0.0 Fish Oil
- 50.13.0.0 Primrose Oil
- 50.14.0.0 Olive Oil
- 50.19.0.0 Other Oil
- MINERALS**
- 50.21.0.0 Iron
- 50.22.0.0 Calcium
- 50.23.0.0 Zinc
- 50.24.0.0 Magnesium
- 50.29.0.0 **Multi-Minerals**

- OTHER SUPPLEMENTS**
- 50.31.0.0 Ginseng
- 50.32.0.0 Garlic
- 50.33.0.0 Ginger
- 50.34.0.0 Ginko Biloba
- 50.35.0.0 Propolis B
- 50.36.0.0 Royal Jelly
- 50.37.0.0 St John's Wort
- 50.38.0.0 Glucosamine
- 50.39.0.0 Other

- 50.40.00 Acupuncture

Coding of **Reason for taking**: Code using ICD 9. Only code reasons related to Heart related conditions

29.3 **Accommodation (other)** 1= if anything is recorded

30.0 **Recent major life Event (other)** 1= if anything is recorded

Part II: YOUR DIET

D1.1	Diet	<ol style="list-style-type: none"> 1 Low Fat/ Cholesterol 2 Low Calorie/ Weight Loss 3 High fibre 4 Vegetarian 5 Diabetic 6 Pescetarian (Fish Eating Vegetarian) 7 Atkins 8 9 Other 															
D5.6	Fresh fruit Always code the least number of fruits eaten 3-5 pears code as 3 Citrus fruits add to Oranges or Grapefruit above Quantity of other Fruits eaten Fruits that are not counted individually are counted as portions $\frac{1}{4}$ lb = 4 oz of Grapes = 1 portion, $\frac{1}{2}$ lb = 8 oz of berries = 2 portions etc. 5 Dates/ Figs = 1 portion. 1 Kilo = 35oz = 8 portions If a person writes only in season ignore that particular fruit. If frequency rather than quantity, code this as 1 portion Melon = 2 portions, Papaya (Paw Paw) = 2 portions, Mango = 1 portion, Pineapple = 2 portions Punnet of berries = 2 portions, Peach= 1 portion, plum = 1 portion etc																
D7	Bread Maximum number of slices or bread / day = 7. If more than 7 code as 7																
D13.0	Milk $1\text{ pint} = 570\text{ml}$ $\frac{1}{2} = 285\text{ml}$ $1\text{ tablespoon} = 15\text{ml}$ <ol style="list-style-type: none"> 1 Goats milk 2 Dried Milk 9 Other 																
D15.0	Fats Always code appropriate box i.e. check the brand is Low fat / full fat. Care is needed because many types occur in both full fat and low fat. Accept subjects' judgement unless clear evidence to contrary Butter <ol style="list-style-type: none"> No coding required Anchor, Lurpak, Sommerfield Country, Supermarket own brands Full Fat Soft Margarine <table border="0"> <tr> <td>Full-fat soft margarine</td> <td>1</td> <td>Clover, Golden Crown, Kerrymaid, Krona Gold, Stork, Supermarket own brands, Willow</td> </tr> <tr> <td>High polyunsaturated</td> <td>2</td> <td>Benecol Flora, Soya margarine (all brands), Sunflower margarine Vitalite I can't Believe its not Butter</td> </tr> <tr> <td>High Monounsaturated</td> <td>3</td> <td>Bertolli Blue band, Mono, St Ivel Mono, St Ivel, Utterly Butterly (!)</td> </tr> <tr> <td>Not codable, Other</td> <td>8</td> <td></td> </tr> <tr> <td>Missing</td> <td>9</td> <td></td> </tr> </table>	Full-fat soft margarine	1	Clover, Golden Crown, Kerrymaid, Krona Gold, Stork, Supermarket own brands, Willow	High polyunsaturated	2	Benecol Flora, Soya margarine (all brands), Sunflower margarine Vitalite I can't Believe its not Butter	High Monounsaturated	3	Bertolli Blue band, Mono, St Ivel Mono, St Ivel, Utterly Butterly (!)	Not codable, Other	8		Missing	9		
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Not codable, Other	8																
Missing	9																

Low Fat Soft Margarine

General Low-fat soft margarine	1	Anchor half fat butter, Clover, Delight, Krona Supermarket own brands
High polyunsaturated	2	Benecol Flora extra light, Soya margarine's (all brands) Sunflower margarine's, Gold sunflower H.E. Slimmers gold sunflower low fat St Ivel Gold low fat sunflower Value sunflower spread Vitalite light/reduced fat, I Can't Believe Its Not Butter Light
High Monounsaturated	3	Bertolli Olivite (Heinz weight watchers), Olive Gold (incl reduced fat), Olivio
Very low-fat types	4	Delight extra low fat, Gold lowest, H.E. lowest ever 5% spread, H.E. very low-fat spread, Outline, Promise, St Ivel Gold lowest low fat
Not codable, Other	8	
Missing	9	

Hard Margarine

No coding required

D15.2 LARD AND RELATED FATS

High Poly or Monounsaturated	1	Solid mazola, White Flora,
Lard and related animal fats	2	Goose Fat, Lard, Morrell, Suet
Other Vegetable fats	3	Cookeen, Pura, Spry Crisp n Dry, Trex, Vegetable suet White cap cooking fat,
Uncodeable Other	8	
Missing	9	

D15.3	LIQUID VEGETABLE OIL		
	High Poly Unsaturated	1	Corn Oil (Mazola) Flaxseed Hemp Pumpkin Sesame oil, Soyabean Oil Sunflower Oil, (Flora)
	High Monounsaturated	2	Canola Oil Groundnut Oil, Olive Oil, Peanut Oil, Rapeseed Oil,
	Other Liquid Vegetable fat	3	own brand vegetable oil Again & Again Crisp n Dry Harry Ramsden Olivio
	Low Fat Oil Spray	4	Fry Light
	Lard and related animal fats	5	Ghee
	Uncodeable Other	8	
	Missing or vegetable oil	9	
D17.3, D17.5	Sugar	½ teaspoon round up to 1, try to code the actual amount taken.	
D18.1	Alcohol 1 litre of spirits = 40 units	For Alcohol, round up amounts less than 1.	