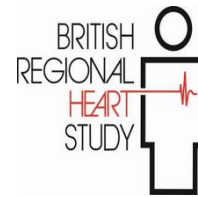


BRHS 2020 Questionnaire data



Data notes and Questionnaire coding instructions protocol

2020 (Q2020)

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)	40-42 year follow-up
Year	2020
Mailing dates	11/10/2020 -13/10/2020
Age range of sample	80-98
Number of completed questionnaires	802
Response rate %	62%

BRHS 2020(Q2020) 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:

BRITISH REGIONAL HEART STUDY
Coding schedule for Q2020

Questionnaire Q2020

GENERAL

Planned date for mailing Q2020 was April 2020. This was delayed due to the COVID-19 pandemic. Q2020 was eventually despatched/posted on 13th Oct 2020.

Notes on general circumstances affecting the posting and completion of the questionnaire due to the Covid-19 pandemic.

National lockdown

16 March 2020 – 9 May 2020 **“Stay at home”**

10 May – 4 Jul **“stay alert” but restrictions eased considerably after 4 July**

Lockdown 2- regional

England 5th November 2020-02 December 2020

Wales 23 October - 9 November 2020.

Scotland 9 October – 2 November 2020

Lockdown 3 – Regional Dec 2020- May 2021.

All Restrictions - ends 21 June 2021

Q2020

Please code using **red ink**.

General rule:

If two values given, take lowest (i.e. 3-8, circle 3)

Round down values less than 1, accept for alcohol.

If **Multi ticks** are recorded, FIRST tick takes priority unless otherwise stated

Coder

Coder number to be recorded on the front page in box after the study number box.

1=LL

1.0

DATES: please ensure that this is recorded numerically i.e. August =08

Do not correct dates

Page2-6 COVID-19 questionnaire (Questions C1.0 to C15.5)

C5.8	Reason to leave house	1	Shop related – click collect
		2	Health related
		3	Drive to park/ garden centre/ garden, allotment/exercise
		4	Church, Religious Services
		5	Family
		6	Hospital Inpatient
		9	Other
C11.1		4	Most days

2.12 Other Heart and Circulation Problems

- 1 Pacemaker
 - 2 Valve Related
 - 3 Cardiomyopathy
 - 9 Other
- Irregular heartbeat = tick 'Atrial Fibrillation'

4.7 Investigations

- 1 If anything recorded

6.1 Cancer (See ICD 9 for additional codes)

If more than one cancer diagnosis, select the first year of diagnosis

165 Respiratory Unspecified	208 Blood Unspecified
162 Trachea, Lung and Bronchus	207 Leukaemia
161 Larynx	208 Lymphoma /CLL
175 Breast	
193 Thyroid	170 Bone all sites
145 Oral (Lip, Salivary glands, Pharynx, Tongue)	171 Connective and other soft tissue
159 Gastrointestinal Unspecified	172 Skin Unspecified / Melanoma (e.g. ear, nose etc-)
150 Oesophagus	172 Rodent Ulcer
151 Stomach	173 Basal Cell Carcinoma
152 Bowel	190 Eye
153 Colon	191 Brain Tumour
154 Rectum	192 Other Neurological Sites
157 Pancreas	194 Endocrine glands
155 Liver	195 Malignant neoplasms of other and ill-defined sites
159 Spleen	
185 Prostate	239 Neoplasms of unspecified nature
186 Testes	239 Type not known
187 Genito-urinary Unspecified	
188 Bladder	189 Kidney

7.24 Other medical conditions: Coded as ICD 9 Codes

7.25 TIA 435 - record here if participant has said no to stroke

8.1, 8.2 Chest pain

4= if ticked both "Yes" and "Unable to walk"

9.0-9.2 Breathlessness

4= if ticked both "Yes" and "Unable to walk"

11.1 Operations

1= If anything is reported

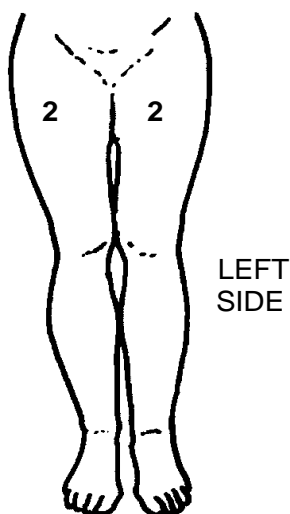
12.0-12.3 Leg pain

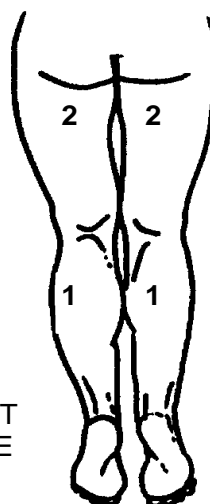
4= if ticked both "Yes" and "Unable to walk"

12.5 Site of leg pain

When leg pain is marked, code the left and right leg separately as follows: -

Front

 RIGHT
SIDE

Back

 LEFT
SIDE

1 calf muscles (take priority)
2 thigh or buttock
3 pain in other site
4 no pain in that leg
13.1 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

13.11 Other- Affected areas

 Fingers and Knuckles = Hands,
Toes and Ankles =Feet

- 1 Elbows/ Arms
- 2 Upper Limbs
- 3 Lower Limbs
- 4 Facial (Jaw)
- 5 Other Multi Combination
- 6 Back / Spine

14.10 Joint pain, swelling of stiffness

As 13.11 above

17.1 Falls

3 =Several, Often

18.5 Health scale

Record estimate from cross position on the scale

19.0 Weight

Convert to kilograms –one decimal place

19.8 Note: Code 5=unable to stand

Code 5=unable to stand

24.0 Water

1 pint = 4 Glasses, Lots = 10 Glasses

25.3 Meals

1= if anything recorded

26.1, 26.3, 26.4, 28.1 Physical activity

 Always round down nearest hour
Half Hour code as 1
Lots – 5 hours

26.8	Sporting activities (taken from Q20)	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
33.5	Mobility Aids	1 Crutch, Elbow sticks 2 Hoist 3 Folding wheeled walker 4 Rails 9 Other
34.1	ADL – if multiple ticks (1 and 2)	2 “yes, only if I hold on and take a rest”..._takes priority
36.5	Appetite - Reasons for loss of appetite	1 To Lose weight- Self Control 2 Low appetite/ No interest in food 3 Health condition (surgery/ treatment) 4 Lack of time 5 Financial reasons 6 Feeling Full/ satisfied 7 Inactivity 8 Weariness/ Age/ Lifestyle 9 Other
37.10	Appetite and eating	1 Health related (surgery/ treatment/ medication) 2 Other
37.19	Reasons for not eating	1 Health related (surgery/ treatment/ medication) 2 Other
40.2	Number of natural teeth	32 “All” is taken as 32 24 “Most” is taken as 75% = 24
44.5	Visiting dentist	1 Fear 2 No Dentist 3 No natural teeth- Dentures/ False teeth 4 Poor Mobility 5 Covid19 9 Other
47.3	Dentures problems	1 Pain/ soreness 2 Other
47.13	Written comments “Long time” coded as = 10 years	
50.1	Hours of sleep	Round down to nearest half hour (0.5)
50.2		
53.9	Recent major events	1 if anything recorded
54	Time allocation on various activities	99 Hours = ALL OR 24/7 1 Hours = FEW/ SOME/ MANY
61	Pets	1 if anything recorded

66.0

Use British National Formulary (BNF Dec 2018) codes for coding of medicines (1-13) and ICD 9 codes (3 digits) for reason for taking the medicine in coding boxes on questionnaire.

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 (1-13)

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 (1-13)

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

Page 36	General Comments	1 = if any comment is written
Page 36	Date Received	date stamp when received