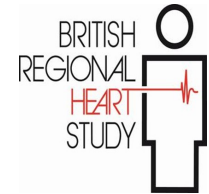


BRHS 20 year follow-up survey **main** questionnaire

1998-2000 (Q20)



Data notes and Questionnaire coding instructions protocol

Questionnaire method	Self-Administered questionnaire
Setting	Completed at the physical examination site
Type of questionnaire	Structured questionnaire with open-ended questions coded using a questionnaire coding protocol.
BRHS study time point (Year of follow-up)	20 year follow-up (Main questionnaire)
Year	1998-2000
Completion dates	1998-2000
Age range of sample	60-79
Number of completed questionnaires	4252
Response rate %	77%

The BRHS cohort participants, who attended for the physical examination in 1998-2000, were given the 20 year follow-up survey questionnaire to complete. The participants were asked to complete the questionnaire while waiting to begin their physical examination (section 2.2.2 BRHS 20 year follow-up physical examination protocol.pdf). Open-ended (or free text) questions included in the questionnaire were coded using a coding instructions protocol.

BRHS 20 year follow-up survey **main** questionnaire: Data notes and 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 noted for each affected question. Where possible recommendation on how the data can be treated is given.

Valid value ranges are as those shown on the questionnaire. If additional codes are found in the data, check in the data notes below for any new categories that were introduced for a particular question during the coding process.

Coding of open-ended questions: Responses to open-ended questions are coded (categorised/given numerical codes) 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 coded as 9s or dot(.) according to the number of digits (i.e. missing values for single digit numbers were coded as 9s, double digit numbers were coded as 99s, 999 etc). See also coding notes for individual questions OR left blank(dot on data file). See also coding notes for individual questions.

Coding instructions of open-ended questions listed below by question number.

4.0a CANCER site - Refer to ICD9 Book

ICD9 CODE	Type of Cancer
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 neoplasm's of other and ill-defined sites
- 239 Neoplasms of unspecified nature
- 239 Type not known

5.0 DIABETES

Mother / Father, enter the age when affected or if unspecified = **99**.

For brothers/sisters, enter the number affected then the age affected.
 If more than one brother/sister affected, enter the youngest age listed.
 If recorded as 50's enter 50

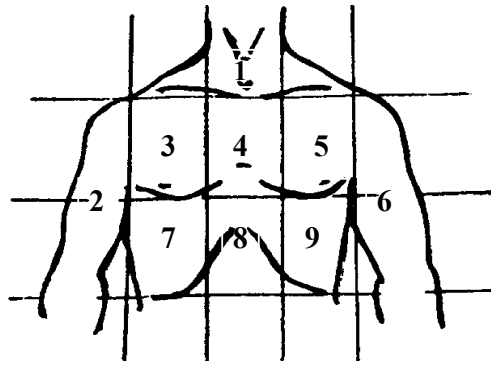
6.1a CHEST PAIN

- 1 Angina
- 2 Myocardial infarction / other CHD
- 3 Respiratory disease (breathlessness)
- 4 Upper gastrointestinal (Hiatus Hernia/ Peptic Ulcer/ Indigestion / Dyspepsia / Reflux)
- 5 Chest wall problem
- 8 Other

6.1 b Where pain or discomfort occurs on the chest

In question 6.1b participants are asked to mark on the diagram(below) the position where they feel the pain or discomfort. Each section on the diagram has been assigned codes 2-9. The code corresponding to the position where the pain is indicated is entered into one of 3 coding boxes. If more than 3 positions are indicated then sections 4,5 and 8 take priority over other positions.

**YOUR
RIGHT
SIDE**



**YOUR
LEFT
SIDE**

7.0a PREVIOUS CHEST PAIN

- 1 Angioplasty or CABG
- 2 All others

8.0c SEVERE CHEST PAIN

- 1 Myocardial infarction / other CHD
- 2 Angina
- 3 Respiratory disease (breathlessness)
- 4 Upper gastrointestinal (Hiatus Hernia/ Peptic Ulcer/ Indigestion / Dyspepsia / Reflux)
- 5 Chest wall problem
- 8 Other

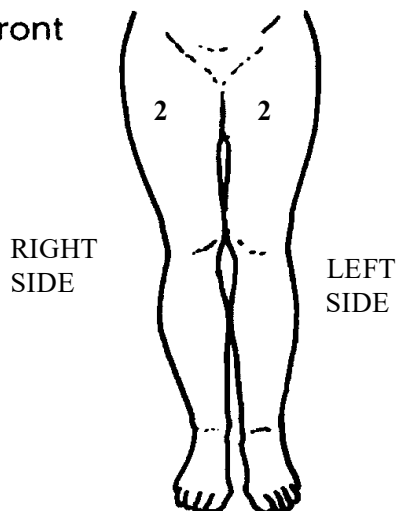
9.1a LEG PAIN

- 1 Claudication, narrowing of arteries
- 2 All others

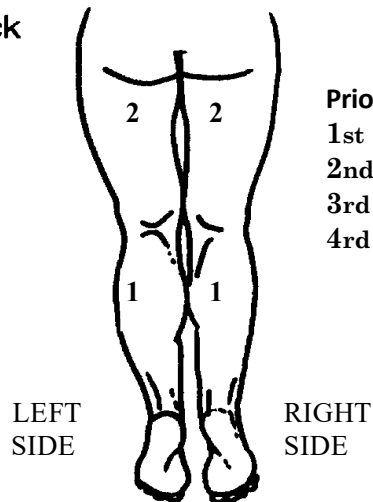
9.1f Site of leg pain

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

Front



Back



Priority of coding

- 1st calf muscles (takes priority)
- 2nd thigh or buttock
- 3rd pain in other site
- 4rd no pain in that leg

11.0 Alcohol

One drink is HALF A PINT of beer/lager/cider, a SINGLE whisky, gin, etc. or ONE GLASS of wine or sherry

12.0 Physical Activity (questions 12.1 and 12.3)

$\frac{1}{2}$ hr = coded as 1 hour

$1\frac{1}{2}$ hr = coded as 1 hour

12.5a Frequent sporting activities

- 01 Bowls/skittles
- 02 Swimming
- 03 Golf
- 04 Cycling
- 05 Racket sports (tennis, badminton, squash, table tennis)
- 06 Dancing
- 07 Rowing
- 08 Walking
- 09 Fitness, weight training
- 10 Fishing
- 11 Other

DISABILITY

14.1 and 14.2 Cause of problem

Defined in each case using ICD booklet

Some of the most common responses listed below if not listed consult ICD9 book.

- 311 Depression
- 346 Headache / Migraine
- 379 Eye Trouble
- 388 Ear Trouble
- 429 Heart Trouble
- 459 Circulation Trouble
- 786 Chest Trouble
- 786 Breathlessness
- 715 Osteo arthritis
- 719 Arthritis unspecified
- 719 Disorder of joint unspecified
- 720 Spondylitis
- 724 Back Problems

16.2 Accommodation: other

- 1 housing association
- 2 relatives' home
- 3 sheltered accommodation
- 4 residential home
- 5 Tied House
- 6 Motor Home
- 7 Partners Home
- 8 B&B

16.4a Pets

- 1 Dog only
- 2 Cat only
- 3 Both
- 4 Other

16.5 Other fuels (heating)

- 1 Coke
- 2 Other

16.7 Other fuels (cooking)

- 1 Calor Gas
- 2 Oil
- 3 Coal
- 4 Microwave
- 5 Wood

17.1b Social class coding

- | | | |
|---|------------|---------------------|
| 1 | I N/M | Professional |
| 2 | II N/M | Managerial |
| 3 | III N/M | Clerical |
| 6 | III M | Skilled manual |
| 4 | IV M | Semi-Skilled Manual |
| 5 | V M | Un-Skilled Manual |
| 8 | HMS Forces | |

17.1 c Years worked/working in that profession

Code: $\frac{1}{2}$ year = 1, $1\frac{1}{2}$ year = 1

18.2 MEDICATIONS

Classifying Drugs using BNF. **. **. *. *

The first 2 digits refer to

- 01 Gastro intestinal system
- 02 Cardiovascular system.

The next 2 digits refer to:

- 01 Positive inotropic drugs
 - 02 Diuretics
 - 03 Anti-arrhythmic drugs
 - 04 Beta-adrenoceptor blocking drugs
 - 05 Drugs affecting the renin-angiotensin system & other hypertensive drugs
 - 06 Nitrates, calcium-channel blockers, & potassium-channel blockers
 - 07 Sympathomimetics
 - 08 Anticoagulants & protamine
 - 09 Anti-platelet drugs
 - 10 Myocardial infarction & fibrinolysis
 - 11 Antifibrinolytic drugs & haemostatics
 - 12 Lipid- regulating drugs
 - 13 Local sclerosants
-
- 03 Respiratory system
 - 04 Central nervous system
 - 05 Infections
 - 06 Endocrine system
 - 01 Drugs used in diabetes
-
- 07 Obstetrics, gynaecology, and urinary tract disorders
 - 08 Malignant disease & immunosuppression
 - 09 Nutrition & blood
 - 10 Musculoskeletal & joint disorders
 - 11 Eye
 - 12 Ear, nose & oropharynx
 - 13 Skin
 - 14 Immunological products & vaccines
 - 15 Anaesthesia

18.2 Medicines

Lipid Lowering Drug Trials Coded as 02 12 9 0

Consult the BNF manual for drugs code

Reason for taking = ICD code. If not listed consult ICD book.

Disease	ICD9	Disease	ICD9
High Blood Pressure	401	Aortic Aneurysm	441
Heart Attack	410	Aneurysm	442
Angina	413	PVD	443
Post CABG (Bypass)	414	Prevention	459
Irregular Heart Beat	427	Circulation Problems	459

Heart Undefined	429	Healthy Blood	459
Narrowing Arteries	434	To thin blood	459
TIA	435	Diabetes	250
Stroke	437	Headaches	346
PE	415	Other conditions of the brain	348
DVT	453	Glaucoma	365
Varicose veins	454	Cataract	366
Phlebitis	451	Eye Disorders	379
Gout	274	Dizziness / Vertigo	386
		Asthma	493
		Osteoarthritis	715
		Arthritis Unspecified	719

18.3 Aspirin - Reason for use

Dose = dose on each day taken,
Frequency = number of times/week

Reason for taking = **ICD9 code**

- 410 IHD
- 437 Stroke
- 435 TIA
- 453 DVT
- 459 Prevention, to thin the blood

18.4 Warfarin

Reason for taking = **ICD9 code**

18.5 GTN

If use was within last month code as = 00
If used more than 60 months ago code as = 60

18.6 VITAMINS AND MINERALS USED

- 01 Vitamin A
- 02 Vitamin B
- 03 Vitamin C
- 04 Vitamin D
- 05 Vitamin E
- 06 Folic Acid
- 09 **Mixed / Multi Vitamin**

OILS

- 11 Cod liver Oil
- 12 Fish Oil
- 13 Primrose Oil
- 14 Olive Oil

MINERALS

- 21 Iron
- 22 Calcium
- 23 Zinc
- 29 Multi-Minerals
- 30 Magnesium

OTHER SUPPLEMENTS

- 31 Ginseng
- 32 Garlic
- 33 Ginger
- 34 Ginko Biloba
- 35 Propolis B
- 36 Royal Jelly
- 37 Other