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 for those 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.
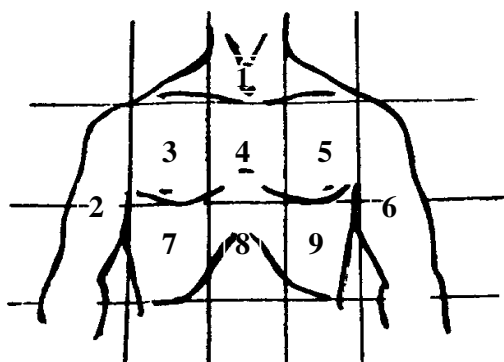If recorded as 50's enter 50

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(position) 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 1-9. The code corresponding to the position where the pain is indicated is entered into one of 3 *office use* coding boxes (see diagram below). If more than 3 positions are indicated then sections 4,5 and 8 take priority over other positions.

Data Note: When using the data, need to scan all three boxes to identify the presence of marked position of chest pain. A code of 0 or a missing value indicates =no chest pain.

YOUR RIGHT SIDE   YOUR LEFT SIDE

Office use

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
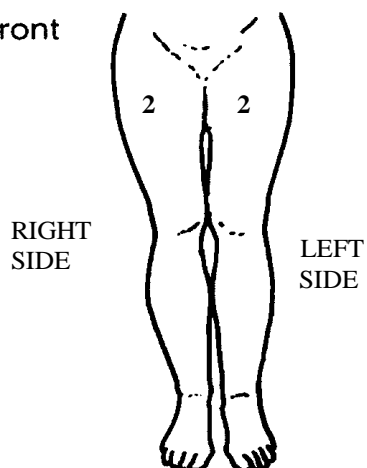   8   Other

9.1a LEG PAIN
    1   Claudication, narrowing of arteries
    2   All others
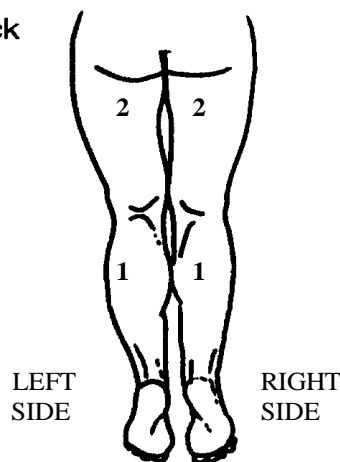
9.1f Site of leg pain
When leg pain is marked, code the left and right leg separately in the *office use* boxes L and R.
Where more than one point is marked on the diagram (for a left or right leg), use priority coding:

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

BRHS 1998-80 (Q20) 20 year follow-up Main questionnaire Data notes & coding protocol

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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 Bets-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 drug codes

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