

BRHS 2007 Questionnaire data



Data notes and Questionnaire coding instructions protocol

2007 (Q07)

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)	27-29 year follow-up
Year	2007
Mailing dates	3/7/2007 - 31/7/2007 with reminders sent at 6 weeks
Age range of sample	66-89
Number of completed questionnaires	3014
Response rate %	75%

BRHS 2007 (Q07) 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.

BRITISH REGIONAL HEART STUDY
BRHS 2007 (Q07) Questionnaire Coding schedule

GENERAL

Yes = 1, No = 2.
 If two values given, take lowest.
 Round down values less than 1, except for alcohol.

Coders 1=MT, 2=LL, 3=YP, 4=ZR, 5=SR

Q2.1 Other Heart and Circulation Problems

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

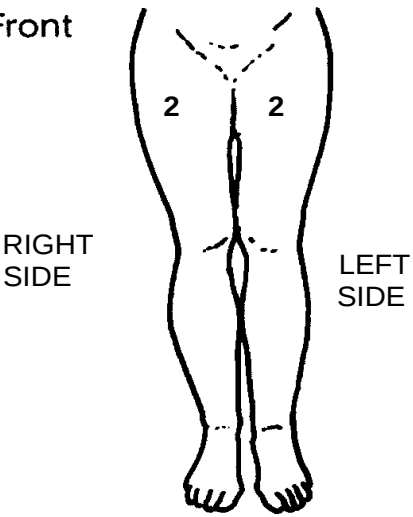
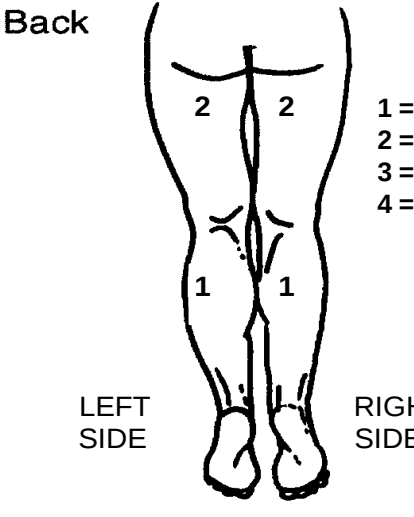
Q4.0 g INVESTIGATIONS
 Make sure that information is correctly recorded elsewhere.
 Aortic Graft= Aortic Aneurysm, Heart related = Other Heart Trouble, Cardiac Catheter = Angiogram

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

Q6.1 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

7.0 Liver Disease 1 if anything recorded

8.0 o	Other Medical Conditions	Use ICD 9
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 6 Back / spine
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 recorded
17.1	LEG PAIN	1 Claudication, narrowing of arteries, vascular, PVD (peripheral vascular disease) 2 Musculoskeletal / arthritis 3 All others
17.6	Site of leg pain	When leg pain is marked, code the left and right leg separately as follows: -
Front  Back  1 = calf muscles takes priority 2 = thigh or buttock 3 = pain in other site 4 = no pain in that leg		
21.2	ALCOHOL	Always take the HIGHEST value ½ pint = 1 drink
22.4	SLEEP	Round down to nearest hour
22.8	HEALTH SCALE	Range from 0-100. Estimate the point on the scale

23.6	SPORTING ACTIVITIES	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
25.3	ACCOMODATION	1 If anything recorded
26.0	GRANDPARENTS	ONS Region/ County coding schedule. (See APPENDIX 1 for town/county/country codes)
27.0	TIME SPENT ON VARIOUS ACTIVITIES	If two values are given, take the LOWEST value If ANY amount is given (e.g. only 10 minutes), then round up to 1
33.1 a	MEDICINES CHOLESTEROL LOWERING DRUGS	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
	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
	STATINS AS PART OF A TRIAL	02.12.9.0
33.2 d	Aspirin (Why do you take it)	ICD 9 code

34.0

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

123456

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

→

020820

427

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

MEDICINES (1-10)

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

DVT (deep vein thrombosis)

4511

PVD (peripheral vascular disease)

4439

TIA (trans ischaemic attack)

435

COPD (chronic obstructive pulmonary disease)

429

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

APPENDIX 1

Town/County/Country codes

	Code	BRHS Town	Corresponding county code
	01	HARROGATE	36
	02	SHREWSBURY	68
	03	LOWESTOFT	46
	04	MANSFIELD	43
	05	SOUTHPORT	75
	06	MERTHYR TYDFIL	80
	07	GUILDFORD	58
	08	BURNLEY	74
	09	NEWCASTLE-U-LYME	69
	10	EXETER	62
	11	DEWSBURY	38
	12	FALKIRK	89
	13	IPWSICH	46
	14	GLOUCESTER	64
	15	AYR	85
	16	DUNFERMLINE	88
	17	DARLINGTON	32
	18	CARLISLE	31
	19	MAIDSTONE	56
	20	GRIMSBY	35
	21	BEDFORD	47
	22	WIGAN	73
	23	SCUNTHORPE	35
	24	HARTLEPOOL	30

COUNTY	Code	
NORTHERN REGION	30	CLEVELAND
	31	CUMBRIA
	32	DURHAM
	33	NORTHUMBERLAND
	34	TYNE & WEAR (Gateshead, Newcastle, N Tyneside, S Tyneside, Sunderland)
YORKS & HUMBERSIDE	35	HUMBERSIDE
	36	NORTH YORKSHIRE
	37	SOUTH YORKSHIRE (Barnsley, Doncaster, Sheffield, Rotherham)
	38	WEST YORKSHIRE (Bradford, Calderdale, Kirklees, Leeds, Wakefield)
EAST MIDLANDS	39	DERBYSHIRE
	40	LEICESTERSHIRE
	41	LINCOLNSHIRE
	42	NORTHAMPTONSHIRE
	43	NOTTINGHAMSHIRE

COUNTY cont.		Code
EAST ANGLIA	44	CAMBRIDGESHIRE
	45	NORFOLK
	46	SUFFOLK
SOUTHEAST	47	BEDFORDSHIRE
	48	BERKSHIRE
	49	BUCKINGHAMSHIRE
	50	EAST SUSSEX
	51	ESSEX
	52	GREATER LONDON
	53	HAMPSHIRE
	54	HERTFORDSHIRE
	55	ISLE OF WIGHT
	56	KENT
	57	OXFORDSHIRE
	58	SURREY
	59	WEST SUSSEX
SOUTH WEST	60	AVON
	61	CORNWALL
	62	DEVON
	63	DORSET
	64	GLOUCESTERSHIRE
	65	SOMERSET
	66	WILTSHIRE
WEST MIDLANDS	67	HEREFORD & WORCESTER
	68	SHROPSHIRE
	69	STAFFORDSHIRE
	70	WARWICKSHIRE
	71	WEST MIDLANDS (Wolverhampton, Walsall, Dudley, Sandwell, Birmingham, Solihull, Coventry)
NORTH WEST	72	CHESHIRE
	73	GREATER MANCHESTER (Wigan, Bolton, Bury, Rochdale, Oldham, Tameside, Salford, Trafford, Manchester, Stockport)
	74	LANCASHIRE
	75	MERSEYSIDE (Wirral, Sefton, Liverpool, Knowsley, St. Helens)
WALES	76	CLWYD
	77	DYFED
	78	GWENT
	79	GWYNEDD
	80	MID GLAMORGAN
	81	POWYS
	82	SOUTH GLAMORGAN
	83	WEST GLAMORGAN

COUNTY CONT.**code****SCOTLAND**

84	ARGYLL & CLYDE
85	AYRSHIRE & ARRAN
86	BORDERS
87	DUMFRIES & GALLOWAY
88	FIFE
89	FORTH VALLEY
90	GRAMPIAN
91	GLASGOW
92	HIGHLANDS
93	LANARKSHIRE
94	LOTHIAN
95	ORKNEY
96	SHETLAND
97	TAYSIDE
98	WESTERN ISLES
999	NOT KNOWN

COUNTRY

101	England
102	Wales
103	Scotland
104	Northern Ireland
105	Eire
106	East Europe & USSR
107	West Europe
108	West Africa
109	East Africa
110	North Africa
111	Southern Africa
112	Australia & New Zealand
113	North America
114	South & Central America
115	India (sub-continent)
116	Far East
117	Middle East
118	West Indies
119	Isle of Man and Channel Islands
200	Emigration out of UK