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1970 British Cohort Study

Derived Variables at 2012 Follow-Up (Age 42)

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Centre for Longitudinal Studies

Following lives from birth through the adult years

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Introduction

This User Guide describes the dataset of derived variables for the 2012 sweep of the 1970 British Cohort Study (BCS70). This dataset is deposited with the BCS70 2012 follow-up datasets at the UK Data Archive. Further variables will be derived and deposited in due course.

The derived variables included in the BCS70 2012 sweep derived variables dataset are as follows:

Country and Region variables

Variable	Variable label
BD9CNTRY	Country of Interview (2012)
BD9GOR	Government Office Region of residence (2012)
BD9REGN	Standard Region of residence (2012)

Key variables

Variable	Variable label
BD9HSIZE	Number of persons in CM's household
BD9MS	CM's legal marital status
BD9COHAB	Whether CM cohabiting as a couple
BD9PARTP	Whether CM lives with a spouse or partner
BD9PAGE	Age Of CM's Partner
BD9PID	HH Number Of CM's Partner/Spouse/Civil Partner
BD9PSEX	Gender Of CM's Partner
BD9NUMCH	Number Of Children in HH
BD9FATHN	Whether CM's Father in HH (incl adoptive / step)
BD9MOTHN	Whether CM's Mother in HH (incl adoptive / step)
BD9NOCHH	Number of own children in household
BD9NPCHH	Number of children of current or previous partner in household
BD9AYCHH	Age of youngest child (under 19) in household
BD9NC2H	Number of children aged 0 to 2 in household
BD9NC4H	Number of children aged 3 to 4 in household
BD9NC11H	Number of children aged 5 to 11 in household
BD9NC15H	Number of children aged 12 to 15 in household
BD9NACAB	Number of absent children (including step-children etc)
BD9NOCAB	Number of absent children - own children only
BD9TOTAC	Total number of children (in HH or absent,incl. step-children etc)
BD9TOTOC	Total number of children (in HH or absent) - own children only
BD9WC DIE	Whether had any (own) children who have died
BD9NC DIE	Number of own children who have died
BD9TOTCE	Total number of children ever had
BD9WMABC	Whether contributes to maintenance of any absent children
BD9WMCPP	Whether received maintenance for children from previous partner
BD9MALIV	Whether mother alive
BD9PALIV	Whether father alive
BD9ECACT	Current economic activity status
BD9PEACT	Partner's current economic activity status
BD9WRBEN	Whether receives any benefits
BD9ALFED	Age left full time education
BD9NUALC	Number of units of alcohol consumed in last 7 days
BD9HGHTM	Height in metres
BD9WGHTK	Weight in kilograms
BD9BMI	Body mass index
BD9WHYST	Whether had hysterectomy or ovaries removed
BD9WP12M	Whether had period in last 12 months
BD9ALSTP	Age at last period

Highest qualification variables

Variable	Variable label
BD9ACHQ1	Highest Academic Qualification CM obtained in 2012 survey
BD9ANVQ1	Highest NVQ level from an academic qualification in 2012 survey
BD9VNVQ1	Highest NVQ Level from a Vocational Qualification in 2012 survey
BD9NVQ1	Highest NVQ Level from an Academic or Vocational Qual in 2012 survey
BD9HACHQ	Highest Academic Qualification - info from 2000 and 2012 surveys
BD9HANVQ	Highest NVQ level from an academic qualification up to 2012
BD9HNVQ	Highest NVQ Level from a Vocational Qualification up to 2012
BD9HNVQ	Highest NVQ Level from an Academic or Vocational Qual up to 2012

Scale variables

Variable	Variable label
BD9MAL	Total Malaise score (9 questions)
BD9MALG	Total Malaise score - grouped
BD9AUDIT	Total AUDIT-PC Score
BD9AUDG	AUDIT-PC Group
BD9WEMWB	Warwick Edinburgh Mental Well-Being Scale
BD9DISEQ	Disability classification Equality act (2010)
BD9DISLS	Disability classification EU-SILC

Derived country of interview variable

The Country of Interview variable `bd9cntry` is taken from the country where the 2012 interview took place (England, Wales or Scotland).

Derived region variables

The Standard Region of residence variable, `bd9regn`, and the Government Office Region of residence variable, `bd9gor`, are the region variables for the residence of the cohort member at the 2012 interview. For details of how these variables are derived, please refer to the document 'BCS70: Revised Region Variables' included in this deposit.

Derived key variables

The derived key variables include `bd9hsize`, `bd9ms`, `bd9cohab`, `bd9numch`, `bd9fathn`, `bd9mothn`, `bd9totoc`, `bd9totce`, `bd9maliv`, `bd9paliv`, `bd9ecact`, `bd9peact`, `bd9wrben`, `bd9alfed`, `bd9ualc`, `bd9hghtm`, `bd9wgthk`, `bd9bmi`. See Appendix 1 for the details of the derivation of all the derived key variables.

Derived highest qualification variables

The highest qualification derived variables are `bd9achq1`, `bd9anvq1`, `bd9vnvq1`, `bd9nvq1`, `bd9hachq`, `bd9hanvq`, `bd9hvnvq`, `bd9hvnvq`. For details of how these variables are derived, please refer to CLS Cohort Studies Datanote 2011/1 'Deriving Highest Qualification in NCDS and BCS70' (http://www.cls.ioe.ac.uk/bcs6_datanotes). An update to this data note is in preparation.

Derived scale variables

The derived scale variables are bd9mal, bd9malg, bd9audit, bd9audg, bd9wemwb, bd9diseq, bd9disls. See appendix 2 for details of the derivation of these scale variables.

Appendices

Appendix 1: Definition of derived key variables

The derived key variables were derived from variables included in the BCS70 2012 follow-up dataset. The key variables and the variables they were derived from are as follows:

Derived variable name	Derived variable label	Derived using variables (dataset)
BD9HSIZE	Number of persons in CM's household	b9gslive (bcs9_persongrid)
BD9MS	CM's legal marital status	b9hms, b9marchk, b9divchk (bcs9_flatfile)
BD9COHAB	Whether CM cohabiting as a couple	b9gslive b9grtok (bcs9_persongrid)
BD9PARTP	Whether CM lives with a spouse or partner	b9gslive b9grtok (bcs9_persongrid)
BD9PAGE	Age Of CM's Partner	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9PID	HH Number Of CM's Partner/Spouse/Civil Partner	b9gslive b9grtok b9gridid (bcs9_persongrid)
BD9PSEX	Gender Of CM's Partner	b9gslive b9grtok b9gsex (bcs9_persongrid)
BD9NUMCH	Number Of Children in HH	b9gslive b9grtok (bcs9_persongrid)
BD9FATHN	Whether CM's Father in HH (incl adoptive / step)	b9gslive b9grtok (bcs9_persongrid)
BD9MOTHN	Whether CM's Mother in HH (incl adoptive / step)	b9gslive b9grtok (bcs9_persongrid)
BD9NOCHH	Number of own children in household	b9gslive b9grtok (bcs9_persongrid)
BD9NPCHH	Number of children of current or previous partner in household	b9gslive b9grtok (bcs9_persongrid)
BD9AYCHH	Age of youngest child (under 19) in household	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9NC2H	Number of children aged 0 to 2 in household	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9NC4H	Number of children aged 3 to 4 in household	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9NC11H	Number of children aged 5 to 11 in household	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9NC15H	Number of children aged 12 to 15 in household	b9gslive b9grtok b9gage (bcs9_persongrid)
BD9NACAB	Number of absent children (including step-children etc)	b9gslive b9grtok b9gdied (bcs9_persongrid)
BD9NOCAB	Number of absent children - own children only	b9gslive b9grtok b9gdied (bcs9_persongrid)
BD9TOTAC	Total number of children (in HH or absent, incl. step-children etc)	b9grtok (bcs9_persongrid)
BD9TOTOC	Total number of children (in HH or absent) - own children only	b9grtok (bcs9_persongrid)
BD9WCDIE	Whether had any (own) children who have died	bd9dchany (bcs9_flatfile) b9grtok b9gage (bcs9_persongrid)
BD9NCDIE	Number of own children who have died	b9dchmny (bcs9_flatfile) b9grtok b9gage (bcs9_persongrid)
BD9TOTCE	Total number of own children ever had	bd9totoc, bd9ncdie (bcs9_derived)
BD9WMABC	Whether contributes to maintenance of any absent children	b9abch91 (bcs9_absent_older_child)
BD9WMCPP	Whether received maintenance for children from previous partner	b9incc01 (bcs9_flatfile)
BD9MALIV ¹	Whether mother alive	b9malive (bcs9_flatfile) b9grtok b9gdied (bcs9_persongrid)
BD9PALIV ²	Whether father alive	b9palive (bcs9_flatfile) b9grtok b9gdied (bcs9_persongrid)
BD9EACT	Current economic activity status	Activity from last sweep b9activ b9pact b9actchk (bcs9_flatfile) b9aactiv (bcs9_employment)

¹ B9maliv asked about anyone CM considers to be their mother, data on dead mother from person grids applies to natural mother only

² B9paliv asked about anyone CM considers to be their father, data on dead father from person grids applies to natural father only

BCS70 Derived Variables at 2012 Follow-Up

Derived variable name	Derived variable label	Derived using variables (dataset)
BD9PEACT	Partner's current economic activity status	b9pecact b9pecac1 (bcs9_flatfile)
BD9WRBEN	Whether receives any benefits	b9bent01 to b9bent09 b9benh03 b9benh04 b9benh06 b9benh07 b9benh09 b9bech (bcs9_flatfile)
BD9ALFED ³	Age left full time education	actage12 lftmore2 actage1 lftmore2 (swp6) b7lftme2 b7actagl b7lftmed (swp7) b8actal2 b8lftme2 (swp8) b9agele b9lftme b9pacta b9plftm (bcs9_flatfile)
BD9NUALC	Number of units of alcohol consumed in last 7 days	b9beern b9beers b9spiris b9sherry b9alcopp b9winebt b9winlag b9winstg b9winsmg (bcs9_flatfile)
BD9HGHTM	Height in metres	height htmetres htcms htfeet htinches height2 htmetre2 htcms2 htfeet2 htinche2 (swp6) b7height b7htmees b7htcms b7htfeet b7htines bd7htun bd7htmtr bd7htcms bd7htft bd7htins (swp7) b9height b9htmees b9htcms b9htfeet b9htines (bcs9_flatfile)
BD9WGHTK	Weight in kilograms	b9weigh b9wtkis b9wtste b9wtpod (bcs9_flatfile)
BD9BMI	Body mass index	bd9wghtk bd9hghtm (bcs9_derived)
BD9WHYST	Whether had hysterectomy or ovaries removed	b9ovop b9hystop (bcs9_flatfile)
BD9WP12M	Whether had period in last 12 months	b9men12m
BD9ALSTP	Age at last period	b9menage

³ Where there is a discrepancy between data entered at 2000 and 2004 sweeps for age left full time education, 2000 sweep data is used in deriving variable BD9ALFED.

Appendix 2: Definition of derived scale variables

Malaise inventory: **bd9mal** **bd9malg**

The malaise score, **bd9mal**, is computed as the total of paper self completion variables B9SCQ41A to B9SCQ41I. If the malaise score is less than 4 but the number of missing values could, if all set to 1, raise the malaise score to 4+ the malaise score, **bd9mal**, is set to missing.

The malaise score is recoded into a grouped malaise score, **bd9malg**, (0-3 and 4+)

Alcohol use disorders identification test primary care (AUDIT-PC): **bd9audit** **bd9audg**

The audit scale is computed by allocating scores to the responses to paper self completion questions B9SCQ32 to B9SCQ36 and summing these scores.

The paper self completion questions B9SCQ32 to B9SCQ36 are scored as follows:

Paper self completion questions	Scoring system				
	0	1	2	3	4
B9SCQ32: How often do you have a drink containing alcohol?	Never	Monthly or less	2 - 4 times per month	2 - 3 times per week	4+ times per week
B9SCQ33: How many units of alcohol do you drink on a typical day when you are drinking?	1 - 2	3 - 4	5 - 6	7 - 9	10+
B9SCQ34: How often during the last year have you found that you were not able to stop drinking once you had started?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
B9SCQ35: How often during the last year have you failed to do what was normally expected from you because of your drinking?	Never	Less than monthly	Monthly	Weekly	Daily or almost daily
B9SCQ36: Has a relative or friend, doctor or other health worker been concerned about your drinking or suggested that you cut down?	No		Yes, but not in the last year		Yes, during the last year

The audit score **bd9aud** is computed to be the total of these scores.

The audit score is recoded into a grouped audit score, **bd9audg**, (0-4 and 5+)

Note: if the cohort member reports that they do not drink alcohol (variables **b9scq3** =1 and **b9scq33**=6), **bd9aud** and **bd9audg** are set to -1 (n/a). Some cohort members have given inconsistent information (i.e. responded to one of these questions with value related to drinking and responded to the other as not drinking), these are not coded as -1 but given a total score according to their responses.

For more information on the AUDIT-PC scores see www.alcohollearningcentre.org.uk/library/AUDIT-PC.doc

Warwick Edinburgh Mental Well-Being Scale: bd9wemwb

The Warwick Edinburgh Mental Well being scale, Bd9wemwb, is computed as the total of paper self completion variables b9scq31a to b9scq31l. If any of the variables b9scq31a to b9scq31l are missing, the derived variable bd9wemwb is set to missing.

Disability classification according to Equality act 2010: bd9diseq

If an individual does not have a longstanding illness or condition (B9LOIL=2) or if their long standing illness or condition does not reduce ability to carry out day to day activities (B9LOIL = 1 AND B9LOLM = 3) then BD9DISEQ = 0 (cohort member is not disabled).

If an individual does have a longstanding illness or condition (B9LOIL=1) and if their long standing illness or condition does reduce ability to carry out day to day activities a lot or a little (B9LOLM = 1 OR B9LOLM = 2) then BD9DISEQ =1 (cohort member is disabled).

EU-SILC classification of disability by extent: bd9disls

If CM does not have a longstanding illness or condition (B9LOIL=2), or if CM does have a longstanding illness or condition but condition does not reduce ability to carry out day to day activities, or the length of time that the ability to carry out day to day activities has been reduced is less than 6 months (B9LOIL = 1 AND (B9LOLM=3 or B9LOLP = 1)) then the cohort member does not have an EU-SILC long-standing health condition (BD9DISLS=0).

If an individual does have a longstanding illness or condition and their ability to carry out day to day activities is reduced a little for 6 months or more (B9LOIL = 1 AND (B9LOLP = 3 OR B9LOLP = 2) AND (B9LOLM = 2)), then the cohort member is categorised as being disabled, hampered to some extent. (BD9DISLS=1).

If an individual does have a longstanding illness or condition and their ability to carry out day to day activities is reduced a lot for 6 months or more (B9LOIL = 1 AND (B9LOLP = 3 OR B9LOLP = 2) AND (B9LOLM = 1)) then the cohort member is categorised as being disabled, severely hampered. (BD9DISLS=2).

For more information see ONS document 'Long-lasting Health Conditions and Illnesses; Impairments and Disability': <http://www.ons.gov.uk/ons/guide-method/harmonisation/primary-set-of-harmonised-concepts-and-questions/index.html>

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