

Codebook for the Cross-National Equivalent File 1980-2005
BHPS – GSOEP - HILDA - PSID - SLID

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PREFACE

This is the code book for the Cross-National Equivalent File 1980-2005. This new release includes data from the Panel Study of Income Dynamics (PSID) for the years 1980 through 2003, the German Socio Economic Panel (GSOEP) for the years 1984 through 2005 the Household, Income and Labour Dynamics in Australia (HILDA) Survey for the years 2001-2004, and the British Household Panel Survey for the years 1991 through 2004. Equivalent File Data files from the 1993-2003 SLID surveys may be analyzed through special arrangement with Statistics Canada through the auspices of the CNEF staff. Please contact CNEF staff by e-mail at CNEF@cornell.edu for further details. Please also note that the years for the Canadian SLID data refer to the reference year in which the data were generated not the year in which the survey was done. This difference is maintained because all SLID documentation here and on the Statistics Canada website uses the year data were generated as the reference year.

This year data from HILDA are available. The HILDA is Australia's first household-based panel survey. It is funded by the Australian Government and is managed on behalf of the Commonwealth by the Department of Families, Community Services and Indigenous Affairs (FaCSIA). Responsibility for the design and administration of the survey rests with the Melbourne Institute of Applied Economic and Social Research (MI). FaCSIA has signed an agreement with Cornell University which allows a subset of the HILDA data to be included as part of the Cross-National Equivalent File (CNEF) and to be available to CNEF users.

Alert users will note that we changed the variable naming convention this year to make it easier to write arrays of variables. In particular we used four-digit years at the end of each variable to identify the year to which the data refer. For example, we previously named the variable for marital status in 1991 as D1110491. Now we name it D11104_1991. The only exceptions are for the SPSS and Stata versions of the BHPS because I couldn't figure out how to preserve the format value labels in the conversion from SAS.

Also note that this year there are a couple of important corrections to and changes in the BHPS-CNEF files. First, some glitches were discovered in recent BHPS files that affect variables we create in the BHPS-CNEF files. These errors affect the individual labor income and household labor income in wave 12 (L). As a general rule you should replace files with each update so that these errors do not creep inadvertently into your analysis samples. There has also been a change in data availability for BHPS area of residence information. The BHPS governing body has decided to stop including area of residence data in their general release (CNEF variable L11101xx). Those data will still be available by special arrangement with the UK Data Archive. You can get more detailed information on the glitches in the BHPS files and check on the access procedures for area of residence at <http://www.iser.essex.ac.uk/ulsc/bhps/update/> (Autumn 2006 announcement).

You need to apply for each of the datasets within the CNEF separately. To obtain the HILDA-CNEF dataset, you need to apply for permission from FaCSIA. To initiate this process you need to complete a Deed of Licence and send it to FaCSIA. You need to complete a paper copy of the Deed of Licence HILDA-CNEF Dataset appropriate to the release for which you are applying. The Deed can be downloaded from the HILDA website at www.melbourneinstitute.com/hilda/. The complete instructions for accessing HILDA-CNEF are at that website and at the CNEF homepage found at: http://www.human.cornell.edu/che/PAM/Research/Centers-Programs/German-Panel/Cross-National-Equivalent-File_CNEF.cfm.

We wish you success using the CNEF data in your research.

Below you will find a complete list of variables included in the Cross-National Equivalent File 1980-2005.

Web Sites for the Original Datasets

BHPS - British Household Panel Study distributed by the Data Archive in Essex, UK, administered and run by the Institute for Social and Economic Research (ISER) at the University of Essex:

<http://www.iser.essex.ac.uk/ulsc/bhps/>

GSOEP - German Socio-Economic Panel at the German Institute of Economic Research (DIW Berlin)

English User Version: <http://www.human.cornell.edu/che/PAM/Research/Centers-Programs/German-Panel/GSOEP.cfm>

German User Version: www.diw.de/english/sop/index.html

HILDA - Household, Income and Labour Dynamics in Australia: <http://www.melbourneinstitute.com/hilda/>

PSID - Panel Study of Income Dynamics: www.isr.umich.edu/src/psid/index.html

SLID - Labour and Income Dynamics: <http://www.statcan.ca/bsolc/english/bsolc?catno=75F0011X&CHROPG=1>

Variables in the Cross-National Equivalent File 1980-2005

(B) BHPS: 1991-2004 Survey Years
(G) GSOEP: 1984-2005 Survey Years
(H) HILDA: 2001-2004 Survey Years
(P) PSID: 1980-2003 Survey Years
(S) SLID: 1992-2003 Reference Years

Volume I

Label	Data	Variable List	Page
Demographics:			
Age of Individual	B, G, H, P, S	D11101_1991 - D11101_2004	1-1
Sex of Individual	B, G, H, P, S	D11102LL	1-4
Marital Status of Individual	B, G, H, P, S	D11104_1991 - D11104_2004	1-7
Relationship to Household Head	B, G, H, P, S	D11105_1991 - D11105_2004	1-12
Number of Persons in Household	B, G, H, P, S	D11106_1991 - D11106_2004	1-17
Number of Children in Household	B, G, H, P, S	D11107_1991 - D11107_2004	1-23
Education With Respect to High School	B, G, H, P, S	D11108_1991 - D11108_2004	1-28
Number of Years of Education	B, G, H, P, S	D11109_1991 - D11100041-29	
Race of Individual	B, P, S	D11112LL	1-30
Employment:			
Annual Work Hours of Individual	B, G, H, P, S	E11101_1991 - E11101_2004	1-34
Impute Annual Work Hours of Individual	B	E11201_1991 - E11201_2004	1-36
Employment Status of Individual	B, G, H, P, S	E11102_1991 - E11102_2004	1-39
Employment Level of Individual	B, G, H, P, S	E11103_1991 - E11103_2004	1-42
Primary Activity of Individual	B, G, P, S	E11104_1991 - E11104_2004	1-45
Occupation of Individual	B, G, H, P, S	E11105_1991 - E11105_2004	1-48
1 Digit Industry Code of Individual	B, G, H, P, S	E11106_1991 - E11106_2004	1-62
2 Digit Industry Code of Individual	B, G, H, P, S	E11107_1991 - E11107_2004	1-68
Equivalence scale inputs:			
Number HH members age 0-14	B, G, H, P, S	H11101_1991 - H11101_2004	1-75
Number HH members age 15-18	B, G, H, P, S	H11102_1991 - H11102_2004	1-81
Number HH members age 0-1	B, G, H, P, S	H11103_1991 - H11103_2004	1-84
Number HH members age 2-4	B, G, H, P, S	H11104_1991 - H11104_2004	1-86
Number HH members age 5-7	B, G, H, P, S	H11105_1991 - H11105_2004	1-88
Number HH members age 8-10	B, G, H, P, S	H11106_1991 - H11106_2004	1-91
Number HH members age 11-12	B, G, H, P, S	H11107_1991 - H11107_2004	1-93
Number HH members age 13-15	B, G, H, P, S	H11108_1991 - H11108_2004	1-96
Number HH members age 16-18	B, G, H, P, S	H11109_1991 - H11109_2004	1-98
Number HH members age 19+ or 16-18 and indep.	B, G, H, P, S	H11110_1991 - H11110_2004	1-100
Indicator - Wife/spouse in HH	B, G, H, P, S	H11112_1991 - H11112_2004	1-106

Volume II

Label	Data	Variable List	Page
Yearly Income:			
Household Pre-Government Income	B, G, H, P, S	I11101_1991 - I11101_2004	2-1
Household Post-Government Income	B, G, H, P, S	I11102_1991 - I11102_2004	2-2
Household Labor Income	B, G, H, P, S	I11103_1991 - I11103_2004	2-3
Household Asset Income	B, G, H, P, S	I11104_1991 - I11104_2004	2-4
Household Imputed Rental Value	B, G, H, P, S	I11105_1991 - I11105_2004	2-5
Household Private Transfers	B, G, H, P, S	I11106_1991 - I11106_2004	2-6
Household Public Transfers	B, G, H, P, S	I11107_1991 - I11107_2004	2-7
Household Social Security Pensions	B, G, P, S	I11108_1991 - I11108_2004	2-8
Total Household Taxes	B, G, H, P, S	I11109_1991 - I11109_2004	2-9
Individual Labor Earnings	B, G, H, P, S	I11110_1991 - I11110_2004	2-10
Household Federal Taxes	G, P	I11111_1991 - I11111_2004	2-11
Household Social Security Taxes	G, P	I11112_1991 - I11112_2004	2-12
Household Post-Government Income (TAXSIM)	P	I11113_1991 - I11113_2004	2-13
Total Household Taxes (TAXSIM)	P	I11114_1991 - I11114_2004	2-14
Household State Taxes (TAXSIM)	P	I11115_1991 - I11115_2004	2-15
Household Federal Taxes (TAXSIM)	P	I11116_1991 - I11116_2004	2-16
Household Private Retirement Income	B, G, H, P, S	I11117_1991 - I11117_2004	2-17
Household Windfall Income	B, G, H, P, S	I11118_1991 - I11118_2004	2-18
Impute Household Pre-Government Income	B, G, H, S	I11201_1991 - I11201_2004	2-20
Impute Household Post-Government Income	B, G, H, S	I11202_1991 - I11202_2004	2-21
Impute Household Labor	G, H	I11203_1991 - I11203_2004	2-22
Impute Household Asset Income	B, G, H, S	I11204_1991 - I11204_2004	2-23
Impute Household Imputed Rental Value	B, G, S	I11205_1991 - I11205_2004	2-24
Impute Household Private Transfers	B, G, H, S	I11206_1991 - I11206_2004	2-25
Impute Household Public Transfers	B, G, S	I11207_1991 - I11207_2004	2-26
Impute Household Social Security Pensions	B, G, S	I11208_1991 - I11208_2004	2-27
Impute Total Household Taxes	G, H, S	I11209_1991 - I11209_2004	2-28
Impute Individual Labor Earnings	B, G, H, S	I11210_1991 - I11210_2004	2-29
Impute Private Retirement Income	B, G, H,	I11217_1991 - I11217_2004	2-30
Location:			
Area of Residence*	B, G, P, S	L11101_1991 - L11101_2004	2-31
Region of Residence	B, G, H,	L11102_1991 - L11201_2004	2-132
Medical/health:			
Whether spent night in hospital in last year	B, G, P	M11101_1991 - M11101_2004	2-141
Number of nights (days) spent in hospital	B, G, P	M11102_1991 - M11102_2004	2-145
Whether had accident in past year that required hospital	B, G, P	M11103_1991 - M11103_2004	2-146
Frequency of sports or exercise	B, G, P	M11104_1991 - M11104_2004	2-150
Have had stroke	B, P	M11105_1991 - M11105_2004	2-154
Have or had high blood pressure/hypertension	B, P	M11106_1991 - M11106_2004	2-157
Have or had diabetes	B, P	M11107_1991 - M11107_2004	2-161
Have or had cancer	B, P	M11108_1991 - M11108_2004	2-165
Have or had psychiatric problems	B, P	M11109_1991 - M11109_2004	2-168
Have or had arthritis	B, P	M11110_1991 - M11110_2004	2-172
Have or had angina or heart condition	B, P	M11111_1991 - M11111_2004	2-175
Have or had asthma or breathing difficulties	B, P	M11112_1991 - M11112_2004	2-178
Have trouble climbing stairs	B, G, P	M11113_1991 - M11113_2004	2-182
Have trouble with bath	B, P	M11114_1991 - M11114_2004	2-186
Have trouble dressing	B, G, P	M11115_1991 - M11115_2004	2-189
Have trouble getting out of bed	B, G, P	M11116_1991 - M11116_2004	2-193

Have trouble shopping	B, G, P	M11117_1991 - M11117_2004	2-196
Have trouble walking	B, P	M11118_1991 - M11118_2004	2-199
Have trouble doing housework	B, G, P	M11119_1991 - M11119_2004	2-203
Have trouble bending, lifting, stooping	B, P	M11120_1991 - M11120_2004	2-206
Health limits vigorous physical activities	B, P	M11121_1991 - M11121_2004	2-209
Height (in meters)	G, P	M11122_1991 - M11122_2004	2-212
Weight (in kilos)	G, P	M11123_1991 - M11123_2004	2-213
Disability Status of Individual	B, G, H, P, S	M11124_1991 - M11124_2004	2-214
Subjective Satisfaction with Health	B, G, H	M11125_1991 - M11125_2004	2-217
Self-Rated Health Status	B, G, H, P	M11126_1991 - M11126_2004	2-222
Number of Times Visited Dr. in Past Year	G	M11127_2001 - M11127_2004	

Weights:

Cross-sectional Weight - Respondent Individuals	B, G, H, P, S	W11101_1991 - W11101_2004	2-226
Household Weight	B, G, H, P, S	W11102_1991 - W11102_2004	2-228
Longitudinal Weight - Respondent Individuals	B, G, H, P, S	W11103_1991 - W11103_2004	2-229
Population Factor for W11101\$\$	B, G, P, S	W11104_1991 - W11104_2004	2-230
Individual Weight - Immigrant Sample	G	W11105_1991 - W11105_2004	2-232
Household Weight - Immigrant Sample	G	W11106_1991 - W11106_2004	2-233
Cross-sectional Weight - Enumerated Individuals	B, H	W11107_1991 - W11107_2004	2-234
Longitudinal Weight - Enumerated Individuals	B, H	W11108_1991 - W11108_2004	2-235
Population Factor for W11103\$\$	B, G, P, S	W11109_1991 - W11109_2004	2-236
Population Factor for W11107\$\$	B	W11110_1991 - W11110_2004	2-237
Population Factor for W11108\$\$	B	W11111_1991 - W11111_2004	2-238
Equivalence Weight Algorithms			
Detailed Official U.S. Equivalence Weight			2-239
General Official U.S. Equivalence Weight			2-241
Official German Equivalence Weight			2-242
ELES Equivalence Weight			2-243
OECD Equivalence Weight			2-244
McClements Equivalence Weight			2-245
Other Equivalence Weights			

Identifiers:

Unique Person Number	B, G, H, P, S	X11101XX	2-247
Household Identification Number	B, G, H, P, S	X11102_1991 - X11102_2004	2-248
Individual in Household at Survey	B, G, H, P, S	X11103_1991 - X11103_2004	2-249
Oversample Identifier	B, G, P, S	X11104XX	2-252
Person in Household Interviewed	B, G, H	X11105_1991 X11105_2004	2-255

Macro-level Variables:

Consumer Price Index	B, G, P, S		2-258
Median Pre-government Household Income	B, G, P, S		2-259
Median Post-government Household Income	B, G, P, S		2-260
Purchasing Power Parity for East Germany	G		

*Area of residence is the Region/Metropolitan Area in the BHPS, the Bundesland in the GSOEP, the major city or state in the HILDA, and the US state in the PSID. Province of residence is available on the CNEF SLID files at Statistics Canada.

Using the Cross-National Equivalent Data File Codebook

This codebook includes four components: a list of comparable variables, a description of how they were created, the algorithm used to create each variable from the original panel data, and descriptive statistics. Users who exclusively use the Cross-National Equivalent Data File are encouraged to check the algorithm used to construct the CNEF data. I describe how each variable was created in the section labeled *AMethod*. Researchers who wish to link the equivalent data to the original survey data will find the original variable names in the algorithm attached to the descriptive statistics. This algorithm indicates how original variables are used to construct the data in each year. An example of the codebook and its code is given below:

Comparable Variables	GSOEP	
Variable Name	I11110_1984 - I11110_2005	<i>Name of Variable in the Equivalent Data File</i>
Variable Label	Labor Earnings of Individual	
Survey/Created	C	<i>Survey Variable (S); Created Variable (C)</i>
Reliability	1	<i>Degree of cross-national comparability Completely comparable (1) - Not comparable (4)</i>
Unit of Observation	I	<i>Individual (I); Household (H); Year (Y)</i>
		<i>Description of Variable Content</i>

Description This variable represents the labor earnings of each individual in the household.

Method *Description of Variable Creation*

Labor earnings include wages and salary from all employment including training, primary and secondary jobs, and self-employment, plus income from bonuses, overtime, and profit-sharing.

Specifically labor earnings is the sum of income from primary job, secondary job, self-employment, 13th month pay, 14th month pay, Christmas bonus pay, holiday bonus pay, miscellaneous bonus pay, and profit-sharing income.

This variable is in current year Deutschmarks.

Format: Not formatted. *Variable Format in the Equivalent Data File*

Algorithm

1984 algorithm: $I1111084 = grs0101 + grs0201 + grs0301 + ap3902 + ap3904 + ap3906 + ap3908 + ap3910$

Variable	N	Nmiss	Mean
I1111084	7090	12239	30902.78

BHPS Data File

Volume I

(1991 - 2004)

Comparable Variables

BHPS

Variable Name D11101LL
 Variable Label Age of Individual
 Survey/Created S
 Reliability 1
 Unit of Observation I

Description Indicates the age of the individual in years.

Method

Age of individual is reported by the head of household for all individuals in the household. Age equals age of individual on his or her most recent birthday.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 0 = Newborn up to first birthday
 98 = 98 years old or more

The value of this variable ranges from 0 to 98.

The original survey variable provided below can be found in the WINDALL files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: ageXX=wAGE; (XX=91-02, w=a-n)
 if ageXX lt 0 or ageXX>150 then ageXX=.M;

D11101_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4768	34.60	4768	34.60
25 - 64 Years	7099	51.52	11867	86.12
65 Years & Older	1913	13.88	13780	100.00

D11101_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4605	35.02	4605	35.02
25 - 64 Years	6792	51.65	11397	86.66
65 Years & Older	1754	13.34	13151	100.00

D11101_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4570	34.87	4570	34.87
25 - 64 Years	6819	52.04	11389	86.91
65 Years & Older	1715	13.09	13104	100.00

D11101_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4494	34.97	4494	34.97
25 - 64 Years	6672	51.92	11166	86.89
65 Years & Older	1685	13.11	12851	100.00

D11101_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4363	34.77	4363	34.77
25 - 64 Years	6515	51.92	10878	86.68
65 Years & Older	1671	13.32	12549	100.00

D11101_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	4422	34.76	4422	34.76
25 - 64 Years	6647	52.26	11069	87.02
65 Years & Older	1651	12.98	12720	100.00

D11101_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	2	.	.	.
Newborn-24 Years	5173	34.39	5173	34.39
25 - 64 Years	7729	51.39	12902	85.78
65 Years & Older	2138	14.22	15040	100.00

Frequency Missing = 2

D11101_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	5064	34.14	5064	34.14
25 - 64 Years	7680	51.77	12744	85.90
65 Years & Older	2091	14.10	14835	100.00

D11101_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	7354	34.14	7354	34.14
25 - 64 Years	11131	51.68	18485	85.82
65 Years & Older	3055	14.18	21540	100.00

D11101_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	7470	34.58	7470	34.58
25 - 64 Years	11146	51.60	18616	86.18
65 Years & Older	2986	13.82	21602	100.00

D11101_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	9288	34.94	9288	34.94
25 - 64 Years	13680	51.46	22968	86.39
65 Years & Older	3618	13.61	26586	100.00

D11101_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	8091	34.53	8091	34.53
25 - 64 Years	12177	51.96	20268	86.49
65 Years & Older	3167	13.51	23435	100.00

D11101_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Newborn-24 Years	7694	34.11	7694	34.11
25 - 64 Years	11722	51.96	19416	86.07
65 Years & Older	3143	13.93	22559	100.00

Comparable Variables

BHPS

Variable Name D11102LL
 Variable Label Sex of Individual
 Survey/Created S
 Reliability 1
 Unit of Observation I

Description Indicates the sex of the individual.

Method

Sex of all household members is gathered and coded in each year. Here sex is coded as constant through time and therefore does not have a yearly suffix. When it is missing, reported sex of the individual is copied from a previous year. Below are the frequency counts for each year.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 1 = Male
 2 = Female

The original survey variables provided below can be found in the WINDALL or WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: D11102LL = wSEX (w=a-n)
 if wSEX=. and (w-1)SEX>0 then D11102LL=(w-1)SEX

Sex of Individual

Year	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1991	1	6675	48.44	6675	48.44
1991	2	7105	51.56	13780	100.00
1992	1	6375	48.48	6375	48.48
1992	2	6776	51.52	13151	100.00

1993	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Male	1	6345	48.42	6345	48.42
Female	2	6759	51.58	13104	100.00

1994	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Male	1	6262	48.73	6262	48.73
Female	2	6589	51.27	12851	100.00

1995	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	2	.	.	.
Male	1	6118	48.76	6118	48.76
Female	2	6429	51.24	12547	100.00
Frequency Missing = 2					

1996	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Male	1	6202	48.76	6202	48.76
Female	2	6518	51.24	12720	100.00

1997	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Male	1	7272	48.34	7272	48.34
Female	2	7770	51.66	15042	100.00

1998	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	3	.	.	.
Male	1	7137	48.12	7137	48.12
Female	2	7695	51.88	14832	100.00
Frequency Missing = 3					

1999	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Male	1	10411	48.33	10411	48.33
Female	2	11129	51.67	21540	100.00

2000	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	2	.	.	.
Male	1	10427	48.27	10427	48.27
Female	2	11173	51.73	21600	100.00
Frequency Missing = 2					

2001	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	1	12806	48.17	12806	48.17
Female	2	13780	51.83	26586	100.00

2002	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	1	11342	48.40	11342	48.40
Female	2	12093	51.60	23435	100.00

2003	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	1	10931	48.46	10931	48.46
Female	2	11628	51.54	22559	100.00

2004	D11102LL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	1	10701	48.41	10701	48.41
Female	2	11404	51.59	22105	100.00

Comparable Variables BHPS

Variable Name D11104LL

Variable Label Marital Status of Individual

Survey/Created S

Reliability 1

Unit of Observation I

Description This variable indicates the marital status in the current survey year of the head, partner, and other family members.

Method Individuals age 16 or older are asked their marital status.

Format:

.M	(-2)	=Item non-response
.S	(-3)	=Survey non-response
1		=Married, Living with a Partner
2		=Single, not Living with a Partner
3		=Widowed, not Living with a Partner
4		=Divorced, not Living with a Partner
5		=Separated (Legally Married), not Living w/ Partner
6		=Not Living with a Partner (Individuals age 16 plus)
7		=Not Living with a Partner (Individuals under age 16)

The original survey variables provided below can be found in the WINDALL file. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

```

1991-2004 algorithm: if wMASTAT=0 then D11104XX=7;          (XX=91-04, w=a-n)
                    else if wMASTAT in (1,2) then D11104XX=1;
                    else if wMASTAT=3 then D11104XX=3;
                    else if wMASTAT=4 then D11104XX=4;
                    else if wMASTAT=5 then D11104XX=5;
                    else if wMASTAT=6 then D11104XX=2;
                    else D11104XX=.M;
                    else D11104XX=.S;

```

D11104_1991		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
ffffffffff					
M		2803	.	.	.
Married	1	4152	37.82	4152	37.82
Single	2	2222	20.24	6374	58.07
Widowed	3	871	7.93	7245	66.00
Divorced	4	443	4.04	7688	70.04
Separated	5	191	1.74	7879	71.78
Gt 18 Not with Partner6		4	0.04	7883	71.81
Lt 18 & Not with Partnr7		3094	28.19	10977	100.00

Frequency Missing = 2803

D11104_1992		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2529	.	.	.
Married	1	4042	38.05	4042	38.05
Single	2	2210	20.81	6252	58.86
Widowed	3	811	7.64	7063	66.49
Divorced	4	466	4.39	7529	70.88
Separated	5	171	1.61	7700	72.49
Lt 18 & Not with Partnr7		2922	27.51	10622	100.00
Frequency Missing = 2529					

D11104_1993		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2523	.	.	.
Married	1	4077	38.53	4077	38.53
Single	2	2220	20.98	6297	59.51
Widowed	3	787	7.44	7084	66.95
Divorced	4	482	4.56	7566	71.51
Separated	5	150	1.42	7716	72.92
Lt 18 & Not with Partnr7		2865	27.08	10581	100.00
Frequency Missing = 2523					

D11104_1994		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2420	.	.	.
Married	1	3981	38.17	3981	38.17
Single	2	2247	21.54	6228	59.71
Widowed	3	764	7.32	6992	67.03
Divorced	4	476	4.56	7468	71.59
Separated	5	155	1.49	7623	73.08
Lt 18 & Not with Partnr7		2808	26.92	10431	100.00
Frequency Missing = 2420					

D11104_1995		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2367	.	.	.
Married	1	3978	39.07	3978	39.07
Single	2	2151	21.13	6129	60.19
Widowed	3	742	7.29	6871	67.48
Divorced	4	452	4.44	7323	71.92
Separated	5	149	1.46	7472	73.38
Lt 18 & Not with Partnr7		2710	26.62	10182	100.00
Frequency Missing = 2367					

D11104_1996		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2366	.	.	.
Married	1	4071	39.32	4071	39.32
Single	2	2215	21.39	6286	60.71
Widowed	3	708	6.84	6994	67.55
Divorced	4	470	4.54	7464	72.09
Separated	5	154	1.49	7618	73.58
Lt 18 & Not with Partnr7		2736	26.42	10354	100.00
Frequency Missing = 2366					

D11104_1997		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2773	.	.	.
Married	1	4636	37.79	4636	37.79
Single	2	2549	20.78	7185	58.56
Widowed	3	909	7.41	8094	65.97
Divorced	4	648	5.28	8742	71.25
Separated	5	189	1.54	8931	72.79
Lt 18 & Not with Partnr7		3338	27.21	12269	100.00
Frequency Missing = 2773					

D11104_1998		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	2687	.	.	.
Married	1	4776	39.32	4776	39.32
Single	2	2368	19.49	7144	58.81
Widowed	3	884	7.28	8028	66.08
Divorced	4	616	5.07	8644	71.16
Separated	5	178	1.47	8822	72.62
Lt 18 & Not with Partnr7		3326	27.38	12148	100.00
Frequency Missing = 2687					

D11104_1999		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	3872	.	.	.
Married	1	6887	38.98	6887	38.98
Single	2	3537	20.02	10424	59.00
Widowed	3	1306	7.39	11730	66.39
Divorced	4	902	5.11	12632	71.50
Separated	5	286	1.62	12918	73.12
Lt 18 & Not with Partnr7		4750	26.88	17668	100.00
Frequency Missing = 3872					

D11104_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	3928	.	.	.
Married	1	6808	38.52	6808	38.52
Single	2	3636	20.57	10444	59.09
Widowed	3	1259	7.12	11703	66.22
Divorced	4	905	5.12	12608	71.34
Separated	5	257	1.45	12865	72.79
Gt 18 Not with Partner6		2	0.01	12867	72.80
Lt 18 & Not with Partnr7		4807	27.20	17674	100.00

Frequency Missing = 3928

D11104_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	4900	.	.	.
Married	1	8137	37.52	8137	37.52
Single	2	4709	21.71	12846	59.24
Widowed	3	1498	6.91	14344	66.14
Divorced	4	1000	4.61	15344	70.76
Separated	5	367	1.69	15711	72.45
Gt 18 Not with Partner6		3	0.01	15714	72.46
Lt 18 & Not with Partnr7		5972	27.54	21686	100.00

Frequency Missing = 4900

D11104_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	4293	.	.	.
Married	1	7372	38.51	7372	38.51
Single	2	4107	21.46	11479	59.97
Widowed	3	1269	6.63	12748	66.60
Divorced	4	884	4.62	13632	71.22
Separated	5	325	1.70	13957	72.91
Lt 18 & Not with Partnr7		5185	27.09	19142	100.00

Frequency Missing = 4293

D11104_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Percent					
f					
	M	4169	.	.	.
Married	1	7095	38.58	7095	38.58
Single	2	3944	21.45	11039	60.03
Widowed	3	1215	6.61	12254	66.63
Divorced	4	882	4.80	13136	71.43
Separated	5	302	1.64	13438	73.07
Lt 18 & Not with Partnr7		4952	26.93	18390	100.00

Frequency Missing = 4169

Comparable Variables	BHPS
Variable Name	D11105LL
Variable Label	Relationship to Household Head
Survey/Created	C
Reliability	1
Unit of Observation	I

Description This variable indicates the individual's relationship to the current survey year's head of household.

Method

The relation to head variable is created by collapsing the BHPS relationship to head variable into 5 categories. The original variable has up to 23 categories. These categories include lawful spouse, live-in partner, natural child, adopted child, foster child, step-child, partner=s child, daughter or son-in-law, biological brother or sister, brother or sister-in-law, biological parent, other parent, mother or father-in-law, grandchildren, cousins, aunts, uncles, nephews, nieces, other relatives, employee, lodgers or boarders, unrelated individuals and Aothers.@"

Format:

.M	(-2)	=	Item non-response
.S	(-3)	=	Survey non-response
1		=	Head
2		=	Partner
3		=	Child
4		=	Relative
5		=	Non-Relative

The original survey variables provided below can be found in the WINDALL files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

```

1991-2004 algorithm: if X11103XX=1 then do;          (XX=91-04, w=a-n)
                    if WHGR2R=1 then D11105XX=1;
                    else if WHGR2R in (2,3) then D11105XX=2;
                    else if WHGR2R in (4,5,6,7) then D11105XX=3;
                    else if WHGR2R ge 9 and WHGR2R le 21 then D11105XX=4;
                    else if WHGR2R in (8,22,23,24,30) then D11105XX=5;
                    end;

```

D11105_1991		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	1	.	.	.
Head	1	5491	39.85	5491	39.85
Partner	2	2873	20.85	8364	60.70
Child	3	4386	31.83	12750	92.53
Relative	4	259	1.88	13009	94.41
Nonrelative	5	214	1.55	13223	95.96
Male spouse	9	556	4.04	13779	100.00

Frequency Missing = 1

D11105_1992		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
Head	1	5227	39.75	5227	39.75
Partner	2	2625	19.96	7852	59.71
Child	3	4166	31.68	12018	91.38
Relative	4	256	1.95	12274	93.33
Nonrelative	5	284	2.16	12558	95.49
Male spouse	9	593	4.51	13151	100.00

D11105_1993		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	5	.	.	.
Head	1	5232	39.94	5232	39.94
Partner	2	2586	19.74	7818	59.68
Child	3	4134	31.56	11952	91.24
Relative	4	261	1.99	12213	93.24
Nonrelative	5	264	2.02	12477	95.25
Male spouse	9	622	4.75	13099	100.00

Frequency Missing = 5

D11105_1994		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	M	3	.	.	.
Head	1	5127	39.91	5127	39.91
Partner	2	2522	19.63	7649	59.53
Child	3	4047	31.50	11696	91.03
Relative	4	257	2.00	11953	93.03
Nonrelative	5	284	2.21	12237	95.24
Male spouse	9	611	4.76	12848	100.00

Frequency Missing = 3

D11105_1995		Frequency	Percent	Cumulative Frequency	Cumulative Percent
f					
	M	1	.	.	.
Head	1	5034	40.12	5034	40.12
Partner	2	2487	19.82	7521	59.94
Child	3	3881	30.93	11402	90.87
Relative	4	250	1.99	11652	92.86
Nonrelative	5	280	2.23	11932	95.09
Male spouse	9	616	4.91	12548	100.00
Frequency Missing = 1					

D11105_1996		Frequency	Percent	Cumulative Frequency	Cumulative Percent
f					
Head	1	5066	39.83	5066	39.83
Partner	2	2501	19.66	7567	59.49
Child	3	3963	31.16	11530	90.64
Relative	4	236	1.86	11766	92.50
Nonrelative	5	320	2.52	12086	95.02
Male spouse	9	634	4.98	12720	100.00

D11105_1997		Frequency	Percent	Cumulative Frequency	Cumulative Percent
f					
Head	1	6092	40.50	6092	40.50
Partner	2	2939	19.54	9031	60.04
Child	3	4742	31.53	13773	91.56
Relative	4	297	1.97	14070	93.54
Nonrelative	5	280	1.86	14350	95.40
Male spouse	9	692	4.60	15042	100.00

D11105_1998		Frequency	Percent	Cumulative Frequency	Cumulative Percent
f					
	M	4	.	.	.
Head	1	6010	40.52	6010	40.52
Partner	2	2869	19.34	8879	59.87
Child	3	4696	31.66	13575	91.53
Relative	4	276	1.86	13851	93.39
Nonrelative	5	203	1.37	14054	94.76
Male spouse	9	777	5.24	14831	100.00

Frequency Missing = 4

D11105_1999		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	M	5	.	.	.
Head	1	8797	40.85	8797	40.85
Partner	2	4154	19.29	12951	60.14
Child	3	6697	31.10	19648	91.24
Relative	4	442	2.05	20090	93.29
Nonrelative	5	357	1.66	20447	94.95
Male spouse	9	1088	5.05	21535	100.00

Frequency Missing = 5

D11105_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	M	3	.	.	.
Head	1	8761	40.56	8761	40.56
Partner	2	4235	19.61	12996	60.17
Child	3	6791	31.44	19787	91.61
Relative	4	459	2.13	20246	93.74
Nonrelative	5	354	1.64	20600	95.37
Male spouse	9	999	4.63	21599	100.00

Frequency Missing = 3

D11105_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	M	2	.	.	.
Head	1	10635	40.01	10635	40.01
Partner	2	5251	19.75	15886	59.76
Child	3	8574	32.25	24460	92.01
Relative	4	572	2.15	25032	94.16
Nonrelative	5	424	1.59	25456	95.76
Male spouse	9	1128	4.24	26584	100.00

Frequency Missing = 2

D11105_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	M	3	.	.	.
Head	1	9353	39.92	9353	39.92
Partner	2	4606	19.66	13959	59.57
Child	3	7507	32.04	21466	91.61
Relative	4	511	2.18	21977	93.79
Nonrelative	5	369	1.57	22346	95.37
Male spouse	9	1086	4.63	23432	100.00

Frequency Missing = 3

D11105_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Head	1	9040	40.07	9040	40.07
Partner	2	4499	19.94	13539	60.02
Child	3	7206	31.94	20745	91.96
Relative	4	479	2.12	21224	94.08
Nonrelative	5	319	1.41	21543	95.50
Male spouse	9	1016	4.50	22559	100.00

D11105_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Head	M 1	8887	40.21	8887	40.21
Partner	2	4424	20.01	13311	60.22
Child	3	7026	31.79	20337	92.01
Relative	4	497	2.25	20834	94.25
Nonrelative	5	266	1.20	21100	95.46
Male spouse	9	1004	4.54	22104	100.00

Frequency Missing = 1

Comparable Variables BHPS

Variable Name D11106LL
Variable Label Number of Persons in Household
Survey/Created S
Reliability 1
Unit of Observation H

Description Indicates the number of persons in the household at the time of the interview.

Method

This information is obtained from survey respondent.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response

The value of this variable ranges from 1 to 11.

The original survey variables provided below can be found in the WHHRESP files corresponding to each year. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: D11106XX = WHHSIZE (XX=91-04, w=a-n)

Number of Persons in HH

D11106_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1413	10.25	1413	10.25
2	3627	26.32	5040	36.57
3	2752	19.97	7792	56.55
4	3577	25.96	11369	82.50
5	1745	12.66	13114	95.17
6	474	3.44	13588	98.61
7	140	1.02	13728	99.62
8	23	0.17	13751	99.79
9	18	0.13	13769	99.92
11	11	0.08	13780	100.00

D11106_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1333	10.14	1333	10.14
2	3462	26.32	4795	36.46
3	2637	20.05	7432	56.51
4	3420	26.01	10852	82.52
5	1580	12.01	12432	94.53
6	534	4.06	12966	98.59
7	119	0.90	13085	99.50
8	16	0.12	13101	99.62
9	18	0.14	13119	99.76
10	10	0.08	13129	99.83
11	22	0.17	13151	100.00

D11106_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1356	10.35	1356	10.35
2	3430	26.18	4786	36.52
3	2727	20.81	7513	57.33
4	3308	25.24	10821	82.58
5	1565	11.94	12386	94.52
6	504	3.85	12890	98.37
7	133	1.01	13023	99.38
8	32	0.24	13055	99.63
9	9	0.07	13064	99.69
10	40	0.31	13104	100.00

D11106_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1335	10.39	1335	10.39
2	3326	25.88	4661	36.27
3	2706	21.06	7367	57.33
4	3216	25.03	10583	82.35
5	1565	12.18	12148	94.53
6	468	3.64	12616	98.17
7	175	1.36	12791	99.53
8	32	0.25	12823	99.78
9	18	0.14	12841	99.92
10	10	0.08	12851	100.00

D11106_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
S	3	.	.	.
1	1303	10.39	1303	10.39
2	3380	26.94	4683	37.33
3	2604	20.76	7287	58.08
4	3024	24.10	10311	82.19
5	1545	12.31	11856	94.50
6	438	3.49	12294	97.99
7	175	1.39	12469	99.39
8	56	0.45	12525	99.83
10	10	0.08	12535	99.91
11	11	0.09	12546	100.00

Frequency Missing = 3

D11106_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
S	4	.	.	.
1	1279	10.06	1279	10.06
2	3416	26.86	4695	36.92
3	2610	20.53	7305	57.45
4	3156	24.82	10461	82.27
5	1540	12.11	12001	94.38
6	432	3.40	12433	97.77
7	175	1.38	12608	99.15
8	88	0.69	12696	99.84
9	9	0.07	12705	99.91
11	11	0.09	12716	100.00

Frequency Missing = 4

D11106_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
S	6	.	.	.
1	1626	10.81	1626	10.81
2	4102	27.28	5728	38.10
3	3054	20.31	8782	58.41
4	3616	24.05	12398	82.46
5	1825	12.14	14223	94.59
6	558	3.71	14781	98.30
7	133	0.88	14914	99.19
8	64	0.43	14978	99.61
9	27	0.18	15005	99.79
10	20	0.13	15025	99.93
11	11	0.07	15036	100.00

Frequency Missing = 6

D11106_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	15	.	.	.
1	1589	10.72	1589	10.72
2	4110	27.73	5699	38.45
3	2991	20.18	8690	58.64
4	3496	23.59	12186	82.23
5	1860	12.55	14046	94.78
6	468	3.16	14514	97.94
7	182	1.23	14696	99.16
8	56	0.38	14752	99.54
9	27	0.18	14779	99.72
10	30	0.20	14809	99.93
11	11	0.07	14820	100.00

Frequency Missing = 15

D11106_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2377	11.04	2377	11.04
2	5996	27.84	8373	38.87
3	4410	20.47	12783	59.35
4	5071	23.54	17854	82.89
5	2555	11.86	20409	94.75
6	666	3.09	21075	97.84
7	287	1.33	21362	99.17
8	120	0.56	21482	99.73
9	27	0.13	21509	99.86
10	20	0.09	21529	99.95
11	11	0.05	21540	100.00

Frequency Missing = 25

D11106_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2367	10.96	2367	10.96
2	5776	26.74	8143	37.70
3	4575	21.18	12718	58.87
4	5184	24.00	17902	82.87
5	2460	11.39	20362	94.26
6	840	3.89	21202	98.15
7	245	1.13	21447	99.28
8	104	0.48	21551	99.76
9	9	0.04	21560	99.81
10	20	0.09	21580	99.90
11	22	0.10	21602	100.00

D11106_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	7	.	.	.
1	2819	10.61	2819	10.61
2	6996	26.32	9815	36.93
3	5415	20.37	15230	57.30
4	6376	23.99	21606	81.29
5	3295	12.40	24901	93.69
6	978	3.68	25879	97.37
7	455	1.71	26334	99.08
8	144	0.54	26478	99.62
9	45	0.17	26523	99.79
10	20	0.08	26543	99.86
11	22	0.08	26565	99.95
14	14	0.05	26579	100.00

Frequency Missing = 7

D11106_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
S	1	.	.	.
1	2431	10.37	2431	10.37
2	6212	26.51	8643	36.88
3	4782	20.41	13425	57.29
4	5732	24.46	19157	81.75
5	2840	12.12	21997	93.87
6	864	3.69	22861	97.55
7	371	1.58	23232	99.14
8	112	0.48	23344	99.62
9	36	0.15	23380	99.77
10	30	0.13	23410	99.90
11	11	0.05	23421	99.94
13	13	0.06	23434	100.00

Frequency Missing = 1

D11106_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2362	10.47	2362	10.47
2	6017	26.67	8379	37.14
3	4582	20.31	12961	57.45
4	5606	24.85	18567	82.30
5	2725	12.08	21292	94.38
6	834	3.70	22126	98.08
7	245	1.09	22371	99.17
8	88	0.39	22459	99.56
9	54	0.24	22513	99.80
10	10	0.04	22523	99.84
11	11	0.05	22534	99.89
12	12	0.05	22546	99.94
13	13	0.06	22559	100.00

D11106_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2328	10.53	2328	10.53
2	5989	27.09	8317	37.62
3	4407	19.94	12724	57.56
4	5599	25.33	18323	82.89
5	2518	11.39	20841	94.28
6	798	3.61	21639	97.89
7	259	1.17	21898	99.06
8	87	0.39	21985	99.46
9	63	0.29	22048	99.74
10	20	0.09	22068	99.83
11	11	0.05	22079	99.88
13	26	0.12	22105	100.00

Comparable Variables BHPS
Variable Name D11107LL
Variable Label Number of Children in Household
Survey/Created S
Reliability 1
Unit of Observation H

Description Indicates the number of persons in the household under the age of 18 at the time of the interview.

Method The number of household members under the age of 18 is summed for each household.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response

The value of the variable ranges from 0 to 9.

The original survey variables provided below can be found in the WINDRESP files corresponding to each year. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: D11106XX = sum of all household members whose age < 18 (XX=91-04)

D11107_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6612	47.98	6612	47.98
1	1162	8.43	7774	56.42
2	2395	17.38	10169	73.80
3	1281	9.30	11450	83.09
4	1364	9.90	12814	92.99
5	370	2.69	13184	95.67
6	334	2.42	13518	98.10
7	106	0.77	13624	98.87
8	93	0.67	13717	99.54
9	41	0.30	13758	99.84
10	22	0.16	13780	100.00

D11107_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6365	48.40	6365	48.40
1	1112	8.46	7477	56.85
2	2274	17.29	9751	74.15
3	1221	9.28	10972	83.43
4	1248	9.49	12220	92.92
5	401	3.05	12621	95.97
6	272	2.07	12893	98.04
7	105	0.80	12998	98.84
8	100	0.76	13098	99.60
9	18	0.14	13116	99.73
10	15	0.11	13131	99.85
11	11	0.08	13142	99.93
14	9	0.07	13151	100.00

D11107_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6347	48.44	6347	48.44
1	1239	9.46	7586	57.89
2	2316	17.67	9902	75.56
3	1242	9.48	11144	85.04
4	1053	8.04	12197	93.08
5	377	2.88	12574	95.96
6	307	2.34	12881	98.30
7	83	0.63	12964	98.93
8	90	0.69	13054	99.62
9	17	0.13	13071	99.75
10	23	0.18	13094	99.92
16	10	0.08	13104	100.00

D11107_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6288	48.93	6288	48.93
1	1219	9.49	7507	58.42
2	2274	17.70	9781	76.11
3	1220	9.49	11001	85.60
4	1016	7.91	12017	93.51
5	385	3.00	12402	96.51
6	293	2.28	12695	98.79
7	49	0.38	12744	99.17
8	82	0.64	12826	99.81
9	17	0.13	12843	99.94
11	8	0.06	12851	100.00

D11107_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6139	48.92	6139	48.92
1	1293	10.30	7432	59.22
2	2280	18.17	9712	77.39
3	1202	9.58	10914	86.97
4	928	7.40	11842	94.37
5	304	2.42	12146	96.79
6	228	1.82	12374	98.61
7	62	0.49	12436	99.10
8	87	0.69	12523	99.79
9	15	0.12	12538	99.91
10	11	0.09	12549	100.00

D11107_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6215	48.86	6215	48.86
1	1367	10.75	7582	59.61
2	2375	18.67	9957	78.28
3	1203	9.46	11160	87.74
4	952	7.48	12112	95.22
5	231	1.82	12343	97.04
6	247	1.94	12590	98.98
7	49	0.39	12639	99.36
8	55	0.43	12694	99.80
9	15	0.12	12709	99.91
10	11	0.09	12720	100.00

D11107_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7305	48.56	7305	48.56
1	1732	11.51	9037	60.08
2	2838	18.87	11875	78.95
3	1491	9.91	13366	88.86
4	1016	6.75	14382	95.61
5	322	2.14	14704	97.75
6	217	1.44	14921	99.20
7	47	0.31	14968	99.51
8	58	0.39	15026	99.89
9	16	0.11	15042	100.00

D11107_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7231	48.74	7231	48.74
1	1726	11.63	8957	60.38
2	2881	19.42	11838	79.80
3	1495	10.08	13333	89.88
4	844	5.69	14177	95.56
5	262	1.77	14439	97.33
6	232	1.56	14671	98.89
7	61	0.41	14732	99.31
8	86	0.58	14818	99.89
9	7	0.05	14825	99.93
11	10	0.07	14835	100.00

D11107_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10506	48.77	10506	48.77
1	2677	12.43	13183	61.20
2	4319	20.05	17502	81.25
3	2070	9.61	19572	90.86
4	1252	5.81	20824	96.68
5	332	1.54	21156	98.22
6	229	1.06	21385	99.28
7	66	0.31	21451	99.59
8	74	0.34	21525	99.93
9	15	0.07	21540	100.00

D11107_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10231	47.36	10231	47.36
1	2936	13.59	13167	60.95
2	4502	20.84	17669	81.79
3	2065	9.56	19734	91.35
4	1231	5.70	20965	97.05
5	326	1.51	21291	98.56
6	185	0.86	21476	99.42
7	67	0.31	21543	99.73
8	51	0.24	21594	99.96
9	8	0.04	21602	100.00

D11107_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12455	46.85	12455	46.85
1	3942	14.83	16397	61.68
2	5416	20.37	21813	82.05
3	2686	10.10	24499	92.15
4	1337	5.03	25836	97.18
5	370	1.39	26206	98.57
6	249	0.94	26455	99.51
7	61	0.23	26516	99.74
8	60	0.23	26576	99.96
9	10	0.04	26586	100.00

D11107_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11075	47.26	11075	47.26
1	3469	14.80	14544	62.06
2	4984	21.27	19528	83.33
3	2283	9.74	21811	93.07
4	1047	4.47	22858	97.54
5	275	1.17	23133	98.71
6	206	0.88	23339	99.59
7	44	0.19	23383	99.78
8	42	0.18	23425	99.96
9	10	0.04	23435	100.00

D11107_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10812	47.93	10812	47.93
1	3426	15.19	14238	63.11
2	4853	21.51	19091	84.63
3	2166	9.60	21257	94.23
4	847	3.75	22104	97.98
5	231	1.02	22335	99.01
6	156	0.69	22491	99.70
7	36	0.16	22527	99.86
8	13	0.06	22540	99.92
10	19	0.08	22559	100.00

D11107_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10601	47.96	10601	47.96
1	3536	16.00	14137	63.95
2	4747	21.47	18884	85.43
3	2003	9.06	20887	94.49
4	814	3.68	21701	98.17
5	222	1.00	21923	99.18
6	104	0.47	22027	99.65
7	41	0.19	22068	99.83
8	26	0.12	22094	99.95
10	11	0.05	22105	100.00

Comparable Variables BHPS
Variable Name D11108LL
Variable Label Education With Respect to High School
Survey/Created C
Reliability 1
Unit of Observation I

Description This variable indicates the highest level of education (less than high school, completed high school, or more than high school) of all individuals in the household.

Method

This variable is not coded in the BHPS.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 1 = Less than High School
 2 = High School
 3 = More than High School

Comparable Variables

BHPS

Variable Name	D11109LL
Variable Label	Number of Years of Education
Survey/Created	S
Reliability	1
Unit of Observation	I

Description This variable indicates the number of years of education completed at the time survey for all individuals in the household.

Method

Not coded in the BHPS.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response

Comparable Variables BHPS

Variable Name D11112LL
 Variable Label Race
 Survey/Created S
 Reliability 1
 Unit of Observation I

Description Indicates the race of each individual in the household.

Method

The frequency distribution shows the number of sample members who self-report themselves as members of each racial group.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 1 = White
 2 = Black
 3 = Indian, Pakistani, Bangladeshi
 4 = Chinese
 5 = Other

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2003 algorithm: if wrace=1 then D11112LL=1;
 else if wrace= in (2,3,4) then D11112LL=2;
 else if wrace= in (5,6,7) then D11112LL=3;
 else if wrace= = 8 then D11112LL=4;
 else if wrace= = 9 then D11112LL=5;
 else if wrace= in (-2,-9,-7) then D11112LL=.M;
 else D11112LL=.S;

	D11103_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
	M	885	.	.	.
	S	149	.	.	.
White	1	12137	95.22	12137	95.22
Black	2	190	1.49	12327	96.71
Indian, Pakistani, Banglad.	3	276	2.17	12603	98.88
Chinese	4	17	0.13	12620	99.01
Other	5	126	0.99	12746	100.00

Frequency Missing = 1034

D11103_1997		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 9300 . . . S 3039 . . . White 1 2576 95.30 2576 95.30 Black 2 55 2.03 2631 97.34 Indian, Pakistani, Banglad.3 57 2.11 2688 99.45 Other 5 15 0.55 2703 100.00 </pre>					

Frequency Missing = 12339

D11103_1998		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 10771 . . . S 3712 . . . White 1 342 97.16 342 97.16 Black 2 5 1.42 347 98.58 Indian, Pakistani, Banglad.3 5 1.42 352 100.00 </pre>					

Frequency Missing = 14483

D11103_1999		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 10905 . . . S 3978 . . . White 1 6580 98.84 6580 98.84 Black 2 13 0.20 6593 99.04 Indian, Pakistani, Banglad.3 44 0.66 6637 99.70 Chinese 4 4 0.06 6641 99.76 Other 5 16 0.24 6657 100.00 </pre>					

Frequency Missing = 14883

D11103_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 15084 . . . S 5507 . . . White 1 980 96.93 980 96.93 Black 2 10 0.99 990 97.92 Indian, Pakistani, Banglad.3 18 1.78 1008 99.70 Other 5 3 0.30 1011 100.00 </pre>					

Frequency Missing = 20591

Comparable Variables	BHPS
Variable Name	E11101LL
Variable Label	Annual Work Hours of Individual
Survey/Created	C
Reliability	1
Unit of Observation	I

Description This variable reports annual hours worked in the previous year for the head, partner, and other family members.

Method

This variable is the sum of usual weekly regular and overtime hours worked times the number of weeks worked in the previous year. In the BHPS, the usual weekly hours information is only collected for the employed or temporarily laid off. For those who are not currently working, the annual hours of work are equal to the number of weeks worked in the previous year times the mean hours worked per week in that year among people for whom such data are available in the sample. The average weekly work hours are: 1991 - 33.9, 1992 - 33.6, 1993 - 33.5, 1994 - 33.7, 1995 - 33.7, 1996 - 33.7, 1997 - 33.8, 1998 - 33.9, 1999 - 33.14., 2000 - 33.43

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response

The original survey variables provided below can be found in the WINDRESP file. This algorithm omits individuals with no hours and weeks of work data.

Unweighted Statistics

```

1991-2004 algorithm: if wJBOT>=0 and wJBHRS>=0 and wNJBWKS>=0 then
(w=a-m, XX=91-04)   E11101XX=sum(wJBOT, wJBHRS)*wNJBWKS

                    if wJBOT=. and wJBHRS>=0 and wNJBWKS>=0 then
                    E11101XX=wJBHRS*wNJBWKS

                    if wJBOT=. and wJBHRS=. and wNJBWKS=0 then E11101XX=0

                    if wJBOT=. and wJBHRS=. and wNJBWKS>0 then
                    E11101XX=Average hours*wNJBWKS

```

The mean value of annual hours is reported in each year for nonzero hours.

Analysis Variable : Annual Work Hours of Individual

E11101XX	N	Mean
<i>ffffffffffffffffffffffffffffffff</i>		
E11101_1991	6281	1780.25
E11101_1992	5853	1761.71
E11101_1993	5629	1750.65
E11101_1994	5660	1767.42
E11101_1995	5522	1795.79
E11101_1996	5810	1786.19
E11101_1997	6701	1802.95
E11101_1998	6656	1812.75
E11101_1999	9107	1797.46
E11101_2000	9146	1809.92
E11101_2001	10857	1806.88
E11101_2002	9661	1800.21
E11101_2003	9504	1785.26
E11101_2004	9226	1811.90

Comparable Variables BHPS

Variable Name E11201LL
 Variable Label Impute Annual Work Hours of Individual
 Survey/Created C
 Reliability 1
 Unit of Observation I

Description This variable indicates whether mean weekly hours of work were used to compute annual work hours of individuals who were unemployed or not in the labor force at the time of the survey but who worked over the past year.

Method If an individual was unemployed or not in the labor force at the time of the survey, that person was not asked to report the usual number of hours per week he or she worked. For these people, mean weekly work hours in the given year were used if the person reported having worked one or more weeks. The average hours worked in the sample were: 1991=33.91 1992=33.57 1993=33.51 1994=33.66 1995=33.72 1996=33.73 1997=33.83 1998=33.89

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 0 = Not Imputed
 1 = Imputed

This algorithm omits individuals with survey non-responses.

1991-2004 algorithm: if wJBHRS=. and wJBOT=. and wNJBWKS>0 then E11201XX=1; (XX=91-04, w=a-m)
 else if wJBHRS>=0 and wJBOT>=0 and wNJBWKS>0 then E11201XX=0;

E112019_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	438	.	.	.
Not Imputed	12003	89.96	12003	89.96
Imputed	1339	10.04	13342	100.00
Frequency Missing = 438				

E112019_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	413	.	.	.
Not Imputed	11530	90.52	11530	90.52
Imputed	1208	9.48	12738	100.00
Frequency Missing = 413				

E112019_1993		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		592	.	.	.
Not Imputed	0	11339	90.63	11339	90.63
Imputed	1	1173	9.38	12512	100.00

Frequency Missing = 592

E112019_1994		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		457	.	.	.
Not Imputed	0	11276	90.98	11276	90.98
Imputed	1	1118	9.02	12394	100.00

Frequency Missing = 457

E112019_1995		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		442	.	.	.
Not Imputed	0	11055	91.31	11055	91.31
Imputed	1	1052	8.69	12107	100.00

Frequency Missing = 442

E112019_1996		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		319	.	.	.
Not Imputed	0	11302	91.14	11302	91.14
Imputed	1	1099	8.86	12401	100.00

Frequency Missing = 319

E112019_1997		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		386	.	.	.
Not Imputed	0	13473	91.93	13473	91.93
Imputed	1	1183	8.07	14656	100.00

Frequency Missing = 386

E112019_1998		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		373	.	.	.
Not Imputed	0	13318	92.09	13317	92.09
Imputed	1	1144	7.91	14461	100.00

Frequency Missing = 373

E112019_1999		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		570	.	.	.
Not Imputed	0	19356	92.30	19356	92.30
Imputed	1	1614	7.70	20970	100.00

Frequency Missing = 570

E112010_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		559	.	.	.
Not Imputed	0	19416	92.27	19416	92.27
Imputed	1	1627	7.73	21043	100.00

Frequency Missing = 559

E112010_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		850	.	.	.
Not Imputed	0	23850	92.67	23850	92.67
Imputed	1	1886	7.33	25736	100.00

Frequency Missing = 850

E112010_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		920	.	.	.
Not Imputed	0	20866	92.68	20866	92.68
Imputed	1	1649	7.32	22515	100.00

Frequency Missing = 920

E112010_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		933	.	.	.
Not Imputed	0	19987	92.42	19987	92.42
Imputed	1	1639	7.58	21626	100.00

Frequency Missing = 933

E112010_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
M		1039	.	.	.
Not Imputed	0	19527	92.69	19527	92.69
Imputed	1	1539	7.31	21066	100.00

Frequency Missing = 1039

Comparable Variables BHPS

Variable Name E11102LL

Variable Label Employment Status of Individual

Survey/Created C

Reliability 1

Unit of Observation I

Description This variable indicates employment status in the previous year for the head, partner, and other family members.

Method

If individual had positive wages in the previous year and worked at least 52 hours then the individual was employed. Otherwise, the individual was not employed.

Format: .M (-2) = Item non-response
.S (-3) = Survey non-response
0 = Not Employed
1 = Employed

This algorithm omits individuals with survey non-responses.

Equivalent Data File Variable Definitions:
E11101__ = Individual Labor Earnings
I11110__ = Individual Labor Earnings

Unweighted Statistics

1991-2004 algorithm: if I11110XX gt 0 and E11101XX ge 52 then E11102XX=1
(XX=91-04) else E11102XX=0

E11102_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	55.26	7615	55.26
Employed	1	44.74	13780	100.00

E11102_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	56.13	7381	56.13
Employed	1	43.87	13151	100.00

E11102_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	7569	57.76	7569	57.76
Employed	1	5535	42.24	13104	100.00

E11102_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	7261	56.50	7261	56.50
Employed	1	5590	43.50	12851	100.00

E11102_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	7094	56.53	7094	56.53
Employed	1	5455	43.47	12549	100.00

E11102_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	7021	55.20	7021	55.20
Employed	1	5699	44.80	12720	100.00

E11102_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	8405	55.88	8405	55.88
Employed	1	6637	44.12	15042	100.00

E11102_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	8216	55.38	8216	55.38
Employed	1	6619	44.62	14835	100.00

E11102_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not Employed	0	12540	58.22	12540	58.22
Employed	1	9000	41.78	21540	100.00

E11102_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	12546	58.08	12546	58.08
Employed	1	9056	41.92	21602	100.00

E11102_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	15831	59.55	15831	59.55
Employed	1	10755	40.45	26586	100.00

E11102_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	15432	65.85	15432	65.85
Employed	1	8003	34.15	23435	100.00

E11102_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	13160	58.34	13160	58.34
Employed	1	9399	41.66	22559	100.00

E11102_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Employed	0	12976	58.70	12976	58.70
Employed	1	9129	41.30	22105	100.00

Comparable Variables BHPS

Variable Name E11103LL

Variable Label Employment Level of Individual

Survey/Created C

Reliability 1

Unit of Observation I

Description This variable indicates whether the head, partner, or other family member worked full-time, part-time, or not at all in the previous year.

Method

If the individual had positive wages and worked at least 1,820 hours last year (35 hours per week on average), then the individual was employed full-time. If the individual had positive wages and worked at least 52 hours but less than 1,820 hours last year, then the individual was employed part-time. Otherwise, the individual was not working.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 1 = Full Time
 2 = Part Time
 3 = Not Working

This algorithm omits individuals with survey non-responses.

Equivalent Data File Variable Definitions:

E11101__ = Annual Work Hours of Individual
 E11102__ = Employment Status of Individual

Unweighted Statistics

1991-2004 algorithm: (XX=91-04)
 if E11102XX=1 then do
 if E11101XX ge 1,820 then E11103XX=1
 else if E11101XX ge 52 and E11101XX lt 1,820 then E11103XX=2
 end
 if E11102XX=0 then E11103XX=3

E11103_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Full Time	1	3422	24.83	3422	24.83
Part Time	2	2743	19.91	6165	44.74
Not Working	3	7615	55.26	13780	100.00

E11103_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Full Time	1	3422	24.83	3422	24.83
Part Time	2	2743	19.91	6165	44.74
Not Working	3	7615	55.26	13780	100.00

Full Time	1	3166	24.07	3166	24.07
Part Time	2	2604	19.80	5770	43.87
Not Working	3	7381	56.13	13151	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1993					
Full Time	1	3013	22.99	3013	22.99
Part Time	2	2522	19.25	5535	42.24
Not Working	3	7569	57.76	13104	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1994					
Full Time	1	3053	23.76	3053	23.76
Part Time	2	2537	19.74	5590	43.50
Not Working	3	7261	56.50	12851	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1995					
Full Time	1	3047	24.28	3047	24.28
Part Time	2	2408	19.19	5455	43.47
Not Working	3	7094	56.53	12549	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1996					
Full Time	1	3169	24.91	3169	24.91
Part Time	2	2530	19.89	5699	44.80
Not Working	3	7021	55.20	12720	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1997					
Full Time	1	3770	25.06	3770	25.06
Part Time	2	2867	19.06	6637	44.12
Not Working	3	8405	55.88	15042	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1998					
Full Time	1	3786	25.52	3786	25.52
Part Time	2	2833	19.10	6619	44.62
Not Working	3	8216	55.38	14835	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
E11103_1999					
Full Time	1	5104	23.70	5104	23.70
Part Time	2	3896	18.09	9000	41.78
Not Working	3	12540	58.22	21540	100.00

E11103_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Full Time	1	5209	24.11	5209	24.11
Part Time	2	3847	17.81	9056	41.92
Not Working	3	12546	58.08	21602	100.00

E11103_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Full Time	1	6159	23.17	6159	23.17
Part Time	2	4596	17.29	10755	40.45
Not Working	3	15831	59.55	26586	100.00

E11103_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Full Time	1	4701	20.06	4701	20.06
Part Time	2	3302	14.09	8003	34.15
Not Working	3	15432	65.85	23435	100.00

E11103_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Full Time	1	5309	23.53	5309	23.53
Part Time	2	4090	18.13	9399	41.66
Not Working	3	13160	58.34	22559	100.00

E11103_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
Full Time	1	6264	28.34	6264	28.34
Part Time	2	2865	12.96	9129	41.30
Not Working	3	12976	58.70	22105	100.00

Comparable Variables BHPS

Variable Name E11104LL

Variable Label Primary Activity of Individual

Survey/Created C

Reliability 1

Unit of Observation I

Description This variable indicates primary activity at the time of the survey for the head, partner, and other family members.

Method

This variable is based on the individual=s self-reported primary activity at the time of the interview.

If the individual reported that he or she is working then the individual is considered to be working now. If the individual reported that he or she is temporarily laid off, looking for work, unemployed, retired, permanently disabled, keeping house, or is a student then the individual is considered to be not working now.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 1 = Working Now
 2 = Not Working Now

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (XX=91-04, w=a-n)
 if wJBSTAT in (1,2) then E11104XX=1;
 else if wJBSTAT in (3, 4, 5, 6, 7, 8) or wJBOFF=1 then E11104XX=0
 else if wJBSTAT<0 or wJBOFF=-9 then E11104XX=.M;

E11104_1991		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 3869 . . Working Now 1 5734 57.85 5734 57.85 Not Working Now 2 4177 42.15 9911 100.00 Frequency Missing = 3869 </pre>					

E11104_1992		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<pre> M 3307 . . Working Now 1 5512 55.99 5512 55.99 Not Working Now 2 4332 44.01 9844 100.00 Frequency Missing = 3307 </pre>					

E11104_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3513	.	.	.
Working Now 1	5406	56.37	5406	56.37
Not Working Now 2	4185	43.63	9591	100.00

Frequency Missing = 3513

E11104_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3376	.	.	.
Working Now 1	5352	56.49	5352	56.49
Not Working Now 2	4123	43.51	9475	100.00

Frequency Missing = 3376

E11104_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3302	.	.	.
Working Now 1	5311	57.43	5311	57.43
Not Working Now 2	3936	42.57	9247	100.00

Frequency Missing = 3302

E11104_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3299	.	.	.
Working Now 1	5462	57.98	5462	57.98
Not Working Now2	3959	42.02	9421	100.00

Frequency Missing = 3299

E11104_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3857	.	.	.
Working Now 1	6341	56.69	6341	56.69
Not Working Now 2	4844	43.31	11185	100.00

Frequency Missing = 3857

E11104_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	3937	.	.	.
Working Now 1	6282	57.64	6282	57.64
Not Working Now2	4616	42.36	10898	100.00

Frequency Missing = 3937

E11104_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M	5929	.	.	.
Working Now 1	8739	55.98	8739	55.98
Not Working Now2	6872	44.02	15611	100.00

Frequency Missing = 5929

E11104_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<i>ff</i>					
	M	6005	.	.	.
Working Now	1	8832	56.63	8832	56.63
Not Working Now2		6765	43.37	15597	100.00

Frequency Missing = 6005

E11104_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<i>ff</i>					
	M	7720	.	.	.
Working Now	1	10555	55.95	10555	55.95
Not Working Now2		8311	44.05	18866	100.00

Frequency Missing = 7720

E11104_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<i>ff</i>					
	M	6870	.	.	.
Working Now	1	9479	57.22	9479	57.22
Not Working Now2		7086	42.78	16565	100.00

Frequency Missing = 6870

E11104_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<i>ff</i>					
	M	6324	.	.	.
Working Now	1	9317	57.39	9317	57.39
Not Working Now2		6918	42.61	16235	100.00

Frequency Missing = 6324

E11104_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
<i>ff</i>					
	M	6315	.	.	.
Working Now	1	9156	57.99	9156	57.99
Not Working Now2		6634	42.01	15790	100.00

Frequency Missing = 6315

Comparable Variables BHPS

Variable Name E11105LL

Variable Label Occupation of Individual

Survey/Created S

Reliability 1

Unit of Observation I

Description This variable indicates occupation on the primary job of the individual.

Method

This variable is based on the individual's occupation in his current job. Occupation is coded as ANot applicable@ if he was not working at the time of the interview.

Format: .C (-1) = N/A - Child

 .M (-2) = Item non-response

 .S (-3) = Survey non-response

- | | | | |
|------------------------|----------------------|---------------------|---------------------|
| 0 = Not Applicable | 34 = ComputerOperat | 62 = Farm Hand | 92 = Printer Etc. |
| 1 = Chemist | 35 = Transp. Attend | 63 = Forestry Work | 93 = Painter |
| 2 = Architect/Engineer | 36 = Conductor | 64 = Fisher/Hunter | 94 = Manufacturer |
| 3 = Eng.Tech.Expert | 37 = Mailman | 70 = Inspector | 95 = Bricklay/Carpt |
| 4 = Aero/MarineEngr | 38 = Tel. Operator | 71 = Miner | 96 = Stat.Mach.Oper |
| 5 = Life/Phys. Sci. | 39 = Ofc.Worker Etc | 72 = Foundry Worker | 97 = Convey. Oper. |
| 6 = Dr./Dentist/Vet | 40 = BusinessManagr | 73 = Lumbrman/Axman | 98 = Transport.Oper |
| 7 = RelatMedicalJob | 41 = Business per | 74 = ChemicalWorker | 99 = Labor/Craftsmn |
| 8 = Mathematician | 42 = Buyer | 75 = Spinner/Weaver | 101 = Soldier |
| 9 = Economist | 43 = Tech.Salespers | 76 = Tanner/Furrier | |
| 11 = Accountant | 44 = Insurance Rep. | 77 = Food Producer | |
| 12 = Lawyer | 45 = Vendor | 78 = TobaccoProducr | |
| 13 = Educator | 49 = Salesperson | 79 = Tailor | |
| 14 = Cleric | 50 = Rest./Store Mgr | 80 = Shoemaker | |
| 15 = Author | 51 = Lodging Operat | 81 = Cabinet Maker | |
| 16 = Sculptr/Paintr | 52 = HH Supervisor | 82 = Stone Cutter | |
| 17 = Music/Perform | 53 = CookWaiter | 83 = Tool/Die Maker | |
| 18 = Prof. Athlete | 54 = Domestic Help | 84 = Machine Fitter | |
| 19 = Scientist | 55 = Janitor | 85 = Electr. Enginr | |
| 20 = Legislator | 56 = Dry-Cleaner | 86 = Broadcaster | |
| 21 = Priv.Bus.Leadr | 57 = Hair Stylist | 87 = Pipe Fitter | |
| 30 = Office Manager | 58 = SecurityServic | 88 = Jewelry Maker | |
| 31 = Administrator | 59 = Service Worker | 89 = Glazier | |
| 32 = Stenographer | 60 = Agriculturladm | 90 = RubberProducer | |
| 33 = Bookkeepr/Cash | 61 = Farm Manager | 91 = Paper Producer | |

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (XX=91-04, w=a-n)

if wJBSOC=100 then E11105XX=20 ; * General administrators,nation government (Assistant Secretary/Grade 5 & above) ;
if wJBSOC=101 then E11105XX=21 ; * General managers,large companies & organisations ;
if wJBSOC=102 then E11105XX=20 ; * Local government officers (administrative & executive functions) ;
if wJBSOC=103 then E11105XX=20 ; * General administrators, national government (HEO to Senior Principal/Grade 6) ;
if wJBSOC=110 then E11105XX=21 ; * Production, works & maintenance managers ;
if wJBSOC=111 then E11105XX=21 ; * Managers in building & contracting ;
if wJBSOC=112 then E11105XX=39 ; * Clerks of works ;
if wJBSOC=113 then E11105XX=21 ; * Managers in mining & energy industries ;
if wJBSOC=120 then E11105XX=21 ; * Treasurers & company financial managers ;
if wJBSOC=121 then E11105XX=21 ; * Marketing & sales managers ;
if wJBSOC=122 then E11105XX=21 ; * Purchasing managers ;
if wJBSOC=123 then E11105XX=21 ; * Advertising & public relations managers ;
if wJBSOC=124 then E11105XX=21 ; * Personnel, training & industrial relations managers ;
if wJBSOC=125 then E11105XX=21 ; * Organisation & methods & work study managers ;
if wJBSOC=126 then E11105XX=8 ; * Computer systems & data processing managers ;
if wJBSOC=127 then E11105XX=39 ; * Company secretaries ;
if wJBSOC=130 then E11105XX=21 ; * Credit controllers ;
if wJBSOC=131 then E11105XX=21 ; * Bank, Building Society & Post Office managers (except self-employed) ;
if wJBSOC=132 then E11105XX=20 ; * Civil Service executive officers ;
if wJBSOC=139 then E11105XX=21 ; * Other financial institution & office managers nec ;
if wJBSOC=140 then E11105XX=21 ; * Transport managers ;
if wJBSOC=141 then E11105XX=21 ; * Stores controllers ;
if wJBSOC=142 then E11105XX=21 ; * Managers in warehousing & other materials handling ;
if wJBSOC=150 then E11105XX=101 ; * officers in UK armed forces ;
if wJBSOC=151 then E11105XX=101 ; * Officers in foreign & Commonwealth armed forces ;
if wJBSOC=152 then E11105XX=58 ; * Police officers (inspector & above) ;
if wJBSOC=153 then E11105XX=58 ; * Fire service officers (station officer & above) ;
if wJBSOC=154 then E11105XX=58 ; * Prison officers (principal officer 7 above) ;
if wJBSOC=155 then E11105XX=58 ; * Customs & excise, immigration service officers (customs-chief preventive officer & above, excise- surveyor & above) ;
if wJBSOC=160 then E11105XX=61 ; * Farm owners & managers, horticulturists ;
if wJBSOC=169 then E11105XX=61 ; * Other managers in farming, horticulture, forestry & fishing nec ;
if wJBSOC=170 then E11105XX=21 ; * Property & estate managers ;
if wJBSOC=171 then E11105XX=21 ; * Garage managers & proprietors ;
if wJBSOC=172 then E11105XX=21 ; * Hairdressers' & barbers' managers & proprietors ;
if wJBSOC=173 then E11105XX=51 ; * Hotel & accommodation managers ;
if wJBSOC=174 then E11105XX=50 ; * Restaurant & catering managers ;
if wJBSOC=175 then E11105XX=51 ; * Publicans, innkeepers & club stewards ;
if wJBSOC=176 then E11105XX=40 ; * Entertainment & sports managers ;
if wJBSOC=177 then E11105XX=40 ; * Travel agency managers ;
if wJBSOC=178 then E11105XX=40 ; * Managers & proprietors of butchers & fishmongers ;
if wJBSOC=179 then E11105XX=40 ; * Managers & proprietors in service industries nec ;
if wJBSOC=190 then E11105XX=21 ; * Officials of trade associations, trade unions, professional bodies & charities ;
if wJBSOC=191 then E11105XX=31 ; * Registrars & administrators of educational establishments ;
if wJBSOC=199 then E11105XX=21 ; * Other managers & administrators nec ;

if wJBSOC=200 then E11105XX=1 ; * Chemists ;
 if wJBSOC=201 then E11105XX=5 ; * Biological scientists & biochemists ;
 if wJBSOC=202 then E11105XX=5 ; * Physicists, geologists & meteorologists ;
 if wJBSOC=209 then E11105XX=5 ; * Other natural scientists nec ;
 if wJBSOC=210 then E11105XX=2 ; * Civil, structural, municipal, mining & quarry engineers ;
 if wJBSOC=211 then E11105XX=2 ; * mechanical engineers ;
 if wJBSOC=212 then E11105XX=2 ; * Electrical engineers ;
 if wJBSOC=213 then E11105XX=2 ; * Electronic engineers ;
 if wJBSOC=214 then E11105XX=2 ; * Software engineers ;
 if wJBSOC=215 then E11105XX=2 ; * Chemical engineers ;
 if wJBSOC=216 then E11105XX=2 ; * Design & development engineers ;
 if wJBSOC=217 then E11105XX=2 ; * Process & production engineers ;
 if wJBSOC=218 then E11105XX=2 ; * Planning & quality control engineers ;
 if wJBSOC=219 then E11105XX=2 ; * Other engineers & technologists nec ;
 if wJBSOC=220 then E11105XX=6 ; * Medical practitioners ;
 if wJBSOC=221 then E11105XX=6 ; * Pharmacists/pharmacologists ;
 if wJBSOC=222 then E11105XX=6 ; * Ophthalmic opticians ;
 if wJBSOC=223 then E11105XX=6 ; * Dental practitioners ;
 if wJBSOC=224 then E11105XX=6 ; * Veterinarians ;
 if wJBSOC=230 then E11105XX=13 ; * University & polytechnic teaching professionals ;
 if wJBSOC=231 then E11105XX=13 ; * Higher & further education teaching professionals ;
 if wJBSOC=232 then E11105XX=13 ; * Education officers, school inspectors ;
 if wJBSOC=233 then E11105XX=13 ; * Secondary (& middle school deemed secondary)
 education teaching professionals ;
 if wJBSOC=234 then E11105XX=13 ; * Primary (& middle school deemed primary) & nursery
 education teaching professionals ;
 if wJBSOC=235 then E11105XX=13 ; * Special education teaching professionals ;
 if wJBSOC=239 then E11105XX=13 ; * Other teaching professionals nec ;
 if wJBSOC=240 then E11105XX=12 ; * Judges & officers of the court ;
 if wJBSOC=241 then E11105XX=12 ; * Barristers & advocates ;
 if wJBSOC=242 then E11105XX=12 ; * Solicitors ;
 if wJBSOC=250 then E11105XX=11 ; * Chartered & certified accountants ;
 if wJBSOC=251 then E11105XX=11 ; * Management accountants ;
 if wJBSOC=252 then E11105XX=8 ; * Actuaries, economists & statisticians ;
 if wJBSOC=253 then E11105XX=21 ; * Management consultants, business analysts ;
 if wJBSOC=260 then E11105XX=2 ; * Architects ;
 if wJBSOC=261 then E11105XX=19 ; * Town planners ;
 if wJBSOC=262 then E11105XX=3 ; * Building, land, mining & 'general practice' surveyors ;
 if wJBSOC=270 then E11105XX=19 ; * Librarians ;
 if wJBSOC=271 then E11105XX=19 ; * Archivists & curators ;
 if wJBSOC=290 then E11105XX=19 ; * Psychologists ;
 if wJBSOC=291 then E11105XX=19 ; * Other social & behavioural scientists ;
 if wJBSOC=292 then E11105XX=14 ; * Clergy ;
 if wJBSOC=293 then E11105XX=19 ; * Social workers, probation officers ;
 if wJBSOC=300 then E11105XX=3 ; * Laboratory technicians ;
 if wJBSOC=301 then E11105XX=3 ; * Engineering technicians ;
 if wJBSOC=302 then E11105XX=3 ; * Electrical & electronic technicians ;
 if wJBSOC=303 then E11105XX=3 ; * Architectural & town planning technicians ;
 if wJBSOC=304 then E11105XX=3 ; * Building & civil engineering technicians ;
 if wJBSOC=309 then E11105XX=19 ; * Other scientific technicians nec ;
 if wJBSOC=310 then E11105XX=3 ; * Draughtspersons ;
 if wJBSOC=311 then E11105XX=3 ; * Building inspectors ;
 if wJBSOC=312 then E11105XX=3 ; * Quantity surveyors ;
 if wJBSOC=313 then E11105XX=3 ; * Marine, insurance & other surveyors ;
 if wJBSOC=320 then E11105XX=8 ; * Computer analyst/programmers ;
 if wJBSOC=330 then E11105XX=4 ; * Air traffic planners & controllers ;

if wJBSOC=331 then E11105XX=4 ; * Aircraft flight deck officers ;
 if wJBSOC=332 then E11105XX=4 ; * Ship & hovercraft officers ;
 if wJBSOC=340 then E11105XX=7 ; * Nurses ;
 if wJBSOC=341 then E11105XX=7 ; * Midwives ;
 if wJBSOC=342 then E11105XX=7 ; * Medical radiographers ;
 if wJBSOC=343 then E11105XX=7 ; * Physiotherapists ;
 if wJBSOC=344 then E11105XX=7 ; * Chiropodists ;
 if wJBSOC=345 then E11105XX=7 ; * Dispensing opticians ;
 if wJBSOC=346 then E11105XX=7 ; * Medical technicians, dental auxiliaries ;
 if wJBSOC=347 then E11105XX=7 ; * Occupational & speech therapists, psychotherapists,
 therapists nec ;
 if wJBSOC=348 then E11105XX=7 ; * Environmental health officers ;
 if wJBSOC=349 then E11105XX=7 ; * Other health associate professionals nec ;
 if wJBSOC=350 then E11105XX=12 ; * Legal service & related occupations ;
 if wJBSOC=360 then E11105XX=20 ; * Estimators, valuers ;
 if wJBSOC=361 then E11105XX=20 ; * Underwriters, claims assessors, brokers, investment
 analysts ;
 if wJBSOC=362 then E11105XX=20 ; * Taxation experts ;
 if wJBSOC=363 then E11105XX=21 ; * Personnel & industrial relations officers ;
 if wJBSOC=364 then E11105XX=8 ; * Organisation & methods & work study officers ;
 if wJBSOC=370 then E11105XX=54 ; * Matrons, houseparents ;
 if wJBSOC=371 then E11105XX=19 ; * Welfare, community & youth workers ;
 if wJBSOC=380 then E11105XX=15 ; * Authors, writers, journalists ;
 if wJBSOC=381 then E11105XX=16 ; * Artists, commercial artists, graphic designers ;
 if wJBSOC=382 then E11105XX=16 ; * industrial designers ;
 if wJBSOC=383 then E11105XX=16 ; * Clothing designers ;
 if wJBSOC=384 then E11105XX=17 ; * Actors, entertainers, stage managers, producers &
 directors ;
 if wJBSOC=385 then E11105XX=17 ; * Musicians ;
 if wJBSOC=386 then E11105XX=16 ; * Photographers, camera, sound and video equipment
 operators ;
 if wJBSOC=387 then E11105XX=18 ; * Professional athletes, sports officials ;
 if wJBSOC=390 then E11105XX=15 ; * information officers ;
 if wJBSOC=391 then E11105XX=13 ; * Vocational & industrial trainers ;
 if wJBSOC=392 then E11105XX=13 ; * Careers advisers & vocational guidance specialists ;
 if wJBSOC=393 then E11105XX=13 ; * Driving instructors (excluding HGV) ;
 if wJBSOC=394 then E11105XX=20 ; * inspectors of factories, utilities & trading standards ;
 if wJBSOC=395 then E11105XX=20 ; * Other statutory & similar inspectors nec ;
 if wJBSOC=396 then E11105XX=7 ; * Occupational hygienists & safety officers (health &
 safety) ;
 if wJBSOC=399 then E11105XX=19 ; * Other associate professional & technical occupations
 nec ;
 if wJBSOC=400 then E11105XX=20 ; * Civil Service administrative officers & assistants ;
 if wJBSOC=401 then E11105XX=20 ; * Local government clerical officers & assistants ;
 if wJBSOC=410 then E11105XX=33 ; * Accounts & wages clerks, book-keepers, other
 financial clerks ;
 if wJBSOC=411 then E11105XX=33 ; * Counter clerks & cashiers ;
 if wJBSOC=412 then E11105XX=33 ; * Debt, rent & other cash collectors ;
 if wJBSOC=420 then E11105XX=39 ; * Filing, computer & other records clerks (inc. legal
 conveyancing) ;
 if wJBSOC=421 then E11105XX=39 ; * Library assistants/clerks ;
 if wJBSOC=430 then E11105XX=39 ; * Clerks (nec) ;
 if wJBSOC=440 then E11105XX=37 ; * Stores, despatch & production control clerks ;
 if wJBSOC=441 then E11105XX=97 ; * Storekeepers & warehousemen/women ;
 if wJBSOC=450 then E11105XX=39 ; * Medical secretaries ;
 if wJBSOC=451 then E11105XX=39 ; * Legal secretaries ;

if wJBSOC=452 then E11105XX=37 ; * Typists & word processor operators ;
 if wJBSOC=459 then E11105XX=37 ; * Other secretaries, personal assistants, typists, word processor operators nec ;
 if wJBSOC=460 then E11105XX=39 ; * Receptionists ;
 if wJBSOC=461 then E11105XX=39 ; * Receptionist/telephonists ;
 if wJBSOC=462 then E11105XX=38 ; * Telephone operators ;
 if wJBSOC=463 then E11105XX=38 ; * Radio & telegraph operators, other office communication system operators ;
 if wJBSOC=490 then E11105XX=34 ; * Computer operators, data processing operators, other office machine operators ;
 if wJBSOC=491 then E11105XX=34 ; * Tracers, drawing office assistants ;
 if wJBSOC=500 then E11105XX=95 ; * Bricklayers, masons ;
 if wJBSOC=501 then E11105XX=95 ; * Roofers, slaters, tilers, sheeters, cladders ;
 if wJBSOC=502 then E11105XX=95 ; * Plasterers ;
 if wJBSOC=503 then E11105XX=89 ; * Glaziers ;
 if wJBSOC=504 then E11105XX=95 ; * Builders, building contractors ;
 if wJBSOC=505 then E11105XX=95 ; * Scaffolders, staggers, steeplejacks, riggers ;
 if wJBSOC=506 then E11105XX=95 ; * Floorers, floor coverers, carpet fitters & planners, floor & wall tilers ;
 if wJBSOC=507 then E11105XX=93 ; * Painters & decorators ;
 if wJBSOC=509 then E11105XX=9 ; * Other construction trades nec ;
 if wJBSOC=510 then E11105XX=83 ; * Centre, capstan, turret & other lathe setters & setter-operators ;
 if wJBSOC=511 then E11105XX=83 ; * Boring & drilling machine setters & setter-operators ;
 if wJBSOC=512 then E11105XX=83 ; * Grinding machine setters & setter-operators ;
 if wJBSOC=513 then E11105XX=72 ; * Milling machine setters & setter-operators ;
 if wJBSOC=514 then E11105XX=92 ; * Press setters & setter-operators ;
 if wJBSOC=515 then E11105XX=83 ; * Tool makers, tool fitters & markers-out ;
 if wJBSOC=516 then E11105XX=72 ; * Metal working production & maintenance fitters ;
 if wJBSOC=517 then E11105XX=85 ; * Precision instrument makers & repairers ;
 if wJBSOC=518 then E11105XX=88 ; * Goldsmiths, silversmiths, precious stone workers ;
 if wJBSOC=519 then E11105XX=99 ; * Other machine tool setters & setter-operators nec (inc CNC setter-operators) ;
 if wJBSOC=520 then E11105XX=85 ; * Production fitters (electrical/electronic) ;
 if wJBSOC=521 then E11105XX=85 ; * Electricians, electrical maintenance fitters ;
 if wJBSOC=522 then E11105XX=85 ; * Electrical engineers (not professional) ;
 if wJBSOC=523 then E11105XX=85 ; * Telephone fitters ;
 if wJBSOC=524 then E11105XX=85 ; * Cable jointers, lines repairers ;
 if wJBSOC=525 then E11105XX=85 ; * Radio, TV & video engineers ;
 if wJBSOC=526 then E11105XX=85 ; * Computer engineers, installation & maintenance ;
 if wJBSOC=529 then E11105XX=85 ; * Other electrical/electronic trades nec ;
 if wJBSOC=530 then E11105XX=72 ; * Smiths & forge workers ;
 if wJBSOC=531 then E11105XX=72 ; * Moulders, core makers, die casters ;
 if wJBSOC=532 then E11105XX=87 ; * Plumbers, heating & ventilating engineers & related trades ;
 if wJBSOC=533 then E11105XX=87 ; * Sheet metal workers ;
 if wJBSOC=534 then E11105XX=84 ; * Metal plate workers, shipwrights, riveters ;
 if wJBSOC=535 then E11105XX=72 ; * Steel erectors ;
 if wJBSOC=536 then E11105XX=72 ; * Barbenders, steel fixers ;
 if wJBSOC=537 then E11105XX=87 ; * Welding trades ;
 if wJBSOC=540 then E11105XX=84 ; * Motor mechanics, auto engineers (inc. road patrol engineers) ;
 if wJBSOC=541 then E11105XX=84 ; * Coach & vehicle body builders ;
 if wJBSOC=542 then E11105XX=84 ; * Vehicle body repairers, panel beaters ;
 if wJBSOC=543 then E11105XX=84 ; * Auto electricians ;
 if wJBSOC=544 then E11105XX=84 ; * Tyre & exhaust fitters ;

if wJBSOC=550 then E11105XX=79 ; * Weavers ;
 if wJBSOC=551 then E11105XX=79 ; * Knitters ;
 if wJBSOC=552 then E11105XX=79 ; * Warp preparers, bleachers, dyers & finishers ;
 if wJBSOC=553 then E11105XX=79 ; * Sewing machinists, menders, darners & embroiderers ;
 if wJBSOC=554 then E11105XX=79 ; * Coach trimmers, upholsterers & mattress makers ;
 if wJBSOC=555 then E11105XX=80 ; * Shoe repairers, leather cutters & sewers, footwear
 lasters, makers & finishers, other leather making & repairing ;
 if wJBSOC=556 then E11105XX=79 ; * Tailors & dressmakers ;
 if wJBSOC=557 then E11105XX=79 ; * Clothing cutters, milliners, furriers ;
 if wJBSOC=559 then E11105XX=79 ; * Other textiles, garments & related trades nec ;
 if wJBSOC=560 then E11105XX=92 ; * Originators, compositors & print preparers ;
 if wJBSOC=561 then E11105XX=92 ; * Printers ;
 if wJBSOC=562 then E11105XX=92 ; * Bookbinders & print finishers ;
 if wJBSOC=563 then E11105XX=92 ; * Screen printers ;
 if wJBSOC=569 then E11105XX=92 ; * Other printing & related trades nec ;
 if wJBSOC=570 then E11105XX=95 ; * Carpenters & joiners ;
 if wJBSOC=571 then E11105XX=81 ; * Cabinet makers ;
 if wJBSOC=572 then E11105XX=81 ; * Case & box makers ;
 if wJBSOC=573 then E11105XX=79 ; * Pattern makers (moulds) ;
 if wJBSOC=579 then E11105XX=81 ; * Other woodworking trades nec ;
 if wJBSOC=580 then E11105XX=77 ; * Bakers, flour confectioners ;
 if wJBSOC=581 then E11105XX=77 ; * Butchers, meat cutters ;
 if wJBSOC=582 then E11105XX=77 ; * Fishmongers, poultry dressers ;
 if wJBSOC=590 then E11105XX=89 ; * Glass product & ceramics makers ;
 if wJBSOC=591 then E11105XX=89 ; * Glass product & ceramics finishers & decorators ;
 if wJBSOC=592 then E11105XX=7 ; * Dental technicians ;
 if wJBSOC=593 then E11105XX=81 ; * Musical instrument makers, piano tuners ;
 if wJBSOC=594 then E11105XX=99 ; * Gardeners, groundsmen/groundswomen ;
 if wJBSOC=595 then E11105XX=99 ; * horticultural trades ;
 if wJBSOC=596 then E11105XX=93 ; * Coach painters, other spray painters ;
 if wJBSOC=597 then E11105XX=71 ; * Face trained coalmining workers, shotfirers & deputies
 ;
 if wJBSOC=598 then E11105XX=84 ; * Other machinery mechanics ;
 if wJBSOC=599 then E11105XX=99 ; * Other craft & related occupations nec ;
 if wJBSOC=600 then E11105XX=101 ; * NCOs & other ranks, UK armed forces ;
 if wJBSOC=601 then E11105XX=101 ; * NCOs & other ranks, foreign & Commonwealth
 armed forces ;
 if wJBSOC=610 then E11105XX=58 ; * Police officers (sergeant & below) ;
 if wJBSOC=611 then E11105XX=58 ; * Fire service officers (leading fire officer & below) ;
 if wJBSOC=612 then E11105XX=58 ; * Prison service officers (below principal officer) ;
 if wJBSOC=613 then E11105XX=58 ; * Customs & excise officers, immigration officers
 (customs below chief preventive officer excise: below surveyor) ;
 if wJBSOC=614 then E11105XX=58 ; * Traffic wardens ;
 if wJBSOC=615 then E11105XX=58 ; * Security guards & related occupations ;
 if wJBSOC=619 then E11105XX=58 ; * Other security & protective service occupations nec ;
 if wJBSOC=620 then E11105XX=53 ; * Chefs, cooks ;
 if wJBSOC=621 then E11105XX=53 ; * Waiters, waitresses ;
 if wJBSOC=622 then E11105XX=53 ; * Bar staff ;
 if wJBSOC=630 then E11105XX=53 ; * Travel & flight attendants ;
 if wJBSOC=631 then E11105XX=59 ; * Railway station staff ;
 if wJBSOC=640 then E11105XX=7 ; * Assistant nurses, nursing auxiliaries ;
 if wJBSOC=641 then E11105XX=7 ; * Hospital ward assistants ;
 if wJBSOC=642 then E11105XX=7 ; * Ambulance staff ;
 if wJBSOC=643 then E11105XX=7 ; * Dental nurses ;
 if wJBSOC=644 then E11105XX=7 ; * Care assistants & attendants ;
 if wJBSOC=650 then E11105XX=7 ; * Nursery nurses ;

if wJBSOC=651 then E11105XX=59 ; * Playgroup leaders ;
 if wJBSOC=652 then E11105XX=13 ; * Educational assistants ;
 if wJBSOC=659 then E11105XX=59 ; * Other childcare & related occupations nec ;
 if wJBSOC=660 then E11105XX=57 ; * Hairdressers, barbers ;
 if wJBSOC=661 then E11105XX=57 ; * Beauticians & related occupations ;
 if wJBSOC=670 then E11105XX=54 ; * Domestic housekeepers & related occupations ;
 if wJBSOC=671 then E11105XX=54 ; * Housekeepers (non domestic) ;
 if wJBSOC=672 then E11105XX=54 ; * Caretakers ;
 if wJBSOC=673 then E11105XX=54 ; * Launderers, dry cleaners, pressers ;
 if wJBSOC=690 then E11105XX=59 ; * Undertakers ;
 if wJBSOC=691 then E11105XX=92 ; * Bookmakers ;
 if wJBSOC=699 then E11105XX=58 ; * Other personal & protective service occupations nec ;
 if wJBSOC=700 then E11105XX=42 ; * Buyers (retail trade) ;
 if wJBSOC=701 then E11105XX=21 ; * Buyers & purchasing officers (not retail) ;
 if wJBSOC=702 then E11105XX=42 ; * importers & exporters ;
 if wJBSOC=703 then E11105XX=42 ; * Air, commodity & ship brokers ;
 if wJBSOC=710 then E11105XX=43 ; * Technical & wholesale sales representatives ;
 if wJBSOC=719 then E11105XX=45 ; * Other sales representatives nec ;
 if wJBSOC=720 then E11105XX=45 ; * Sales assistants ;
 if wJBSOC=721 then E11105XX=33 ; * Retail cash desk & check-out operators ;
 if wJBSOC=722 then E11105XX=99 ; * Petrol pump forecourt attendants ;
 if wJBSOC=730 then E11105XX=33 ; * Collector salespersons & credit agents ;
 if wJBSOC=731 then E11105XX=49 ; * Roundsmen/women & van salespersons ;
 if wJBSOC=732 then E11105XX=49 ; * Market & street traders & assistants ;
 if wJBSOC=733 then E11105XX=49 ; * Scrap dealers, scrap metal merchants ;
 if wJBSOC=790 then E11105XX=49 ; * Merchandisers ;
 if wJBSOC=791 then E11105XX=39 ; * Window dressers, floral arrangers ;
 if wJBSOC=792 then E11105XX=49 ; * Telephone salespersons ;
 if wJBSOC=800 then E11105XX=77 ; * Bakery & confectionery process operatives ;
 if wJBSOC=801 then E11105XX=77 ; * Brewery & vinery process operatives ;
 if wJBSOC=802 then E11105XX=78 ; * Tobacco process operatives ;
 if wJBSOC=809 then E11105XX=77 ; * Other food, drink & tobacco process operatives nec ;
 if wJBSOC=810 then E11105XX=76 ; * Tannery production operatives ;
 if wJBSOC=811 then E11105XX=75 ; * Preparatory fibre processors ;
 if wJBSOC=812 then E11105XX=75 ; * Spinners, doublers, twisters ;
 if wJBSOC=813 then E11105XX=99 ; * Winders, reelers ;
 if wJBSOC=814 then E11105XX=79 ; * Other textiles processing operatives ;
 if wJBSOC=820 then E11105XX=74 ; * Chemical, gas & petroleum process plant operatives ;
 if wJBSOC=821 then E11105XX=91 ; * Paper, wood & related process plant operatives ;
 if wJBSOC=822 then E11105XX=99 ; * Cutting & slitting machine operatives (paper products etc) ;
 if wJBSOC=823 then E11105XX=99 ; * Glass & ceramics furnace operatives, kilnsetters ;
 if wJBSOC=824 then E11105XX=90 ; * Rubber process operatives, moulding machine operatives, tyre builders ;
 if wJBSOC=825 then E11105XX=90 ; * Plastics process operatives, moulders & extruders ;
 if wJBSOC=826 then E11105XX=74 ; * Synthetic fibre makers ;
 if wJBSOC=829 then E11105XX=74 ; * Other chemicals, paper, plastics & related process operatives nec ;
 if wJBSOC=830 then E11105XX=72 ; * Furnace operatives (metal) ;
 if wJBSOC=831 then E11105XX=72 ; * Metal drawers ;
 if wJBSOC=832 then E11105XX=72 ; * Rollers ;
 if wJBSOC=833 then E11105XX=72 ; * Annealers, hardeners, temperers (metal) ;
 if wJBSOC=834 then E11105XX=72 ; * Electroplaters, galvanisers, colour coaters ;
 if wJBSOC=839 then E11105XX=72 ; * Other metal making & treating process operatives nec ;
 if wJBSOC=840 then E11105XX=83 ; * Machine tool operatives (inc CNC machine tool operatives) ;

if wJBSOC=841 then E11105XX=83 ; * Press stamping & automatic machine operatives ;
 if wJBSOC=842 then E11105XX=95 ; * Metal polishers ;
 if wJBSOC=843 then E11105XX=95 ; * Metal dressing operatives ;
 if wJBSOC=844 then E11105XX=95 ; * Shot blasters ;
 if wJBSOC=850 then E11105XX=84 ; * Assemblers/lineworkers (electrical/electronic goods) ;
 if wJBSOC=851 then E11105XX=84 ; * Assemblers/lineworkers (vehicles & other metal goods) ;
 if wJBSOC=859 then E11105XX=84 ; * Other assemblers/lineworkers nec ;
 if wJBSOC=860 then E11105XX=70 ; * inspectors, viewers & testers (metal & electrical goods) ;
 ;
 if wJBSOC=861 then E11105XX=70 ; * inspectors, viewers, testers & examiners (other manufactured goods) ;
 if wJBSOC=862 then E11105XX=77 ; * Packers, bottlers, canners, fillers ;
 if wJBSOC=863 then E11105XX=99 ; * Weighers, graders, sorters ;
 if wJBSOC=864 then E11105XX=70 ; * Routine laboratory testers ;
 if wJBSOC=869 then E11105XX=84 ; * Other routine process operatives nec ;
 if wJBSOC=870 then E11105XX=70 ; * Bus inspectors ;
 if wJBSOC=871 then E11105XX=70 ; * Road transport depot inspectors & related occupations ;
 ;
 if wJBSOC=872 then E11105XX=98 ; * Drivers of road goods vehicles ;
 if wJBSOC=873 then E11105XX=98 ; * Bus & coach drivers ;
 if wJBSOC=874 then E11105XX=98 ; * Taxi, cab drivers & chauffeurs ;
 if wJBSOC=875 then E11105XX=98 ; * Bus conductors ;
 if wJBSOC=880 then E11105XX=99 ; * Seafarers (merchant navy) barge, lighter & boat operatives ;
 if wJBSOC=881 then E11105XX=98 ; * Rail transport inspectors, supervisors & guards ;
 if wJBSOC=882 then E11105XX=98 ; * Rail engine drivers & assistants ;
 if wJBSOC=883 then E11105XX=98 ; * Rail signal operatives & crossing keepers ;
 if wJBSOC=884 then E11105XX=98 ; * Shunters & points operatives ;
 if wJBSOC=885 then E11105XX=98 ; * Mechanical plant drivers & operatives (earth moving & civil engineering) ;
 if wJBSOC=886 then E11105XX=97 ; * Crane drivers ;
 if wJBSOC=887 then E11105XX=98 ; * Fork lift & mechanical truck drivers ;
 if wJBSOC=889 then E11105XX=98 ; * Other transport & machinery operatives nec ;
 if wJBSOC=890 then E11105XX=71 ; * Washers, screeners & crushers in mines & quarries ;
 if wJBSOC=891 then E11105XX=92 ; * Printing machine minders & assistants ;
 if wJBSOC=892 then E11105XX=99 ; * Water & sewerage plant attendants ;
 if wJBSOC=893 then E11105XX=99 ; * Electrical, energy, boiler & related plant operatives & attendants ;
 if wJBSOC=894 then E11105XX=74 ; * Oilers, greasers, lubricators ;
 if wJBSOC=895 then E11105XX=87 ; * Mains & service pipe layers, pipe jointers ;
 if wJBSOC=896 then E11105XX=95 ; * Construction & related operatives ;
 if wJBSOC=897 then E11105XX=95 ; * Woodworking machine operatives ;
 if wJBSOC=898 then E11105XX=71 ; * Mine (excluding coal) & quarry workers ;
 if wJBSOC=899 then E11105XX=99 ; * Other plant & machine operatives nec ;
 if wJBSOC=900 then E11105XX=61 ; * Farm workers ;
 if wJBSOC=901 then E11105XX=61 ; * Agricultural machinery drivers & operatives ;
 if wJBSOC=902 then E11105XX=61 ; * All other occupations in farming & related ;
 if wJBSOC=903 then E11105XX=64 ; * Fishing & related workers ;
 if wJBSOC=904 then E11105XX=63 ; * Forestry workers ;
 if wJBSOC=910 then E11105XX=71 ; * Coal mine labourers ;
 if wJBSOC=911 then E11105XX=72 ; * Labourers in foundries ;
 if wJBSOC=912 then E11105XX=99 ; * Labourers in engineering & allied trades ;
 if wJBSOC=913 then E11105XX=72 ; * Mates to metal/electrical & related fitters ;
 if wJBSOC=919 then E11105XX=94 ; * Other labourers in making & processing industries nec ;
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if wJBSOC=920 then E11105XX=95 ; * Mates to woodworking trades workers ;
if wJBSOC=921 then E11105XX=99 ; * Mates to building trades workers ;
if wJBSOC=922 then E11105XX=99 ; * Rail construction & maintenance workers ;
if wJBSOC=923 then E11105XX=99 ; * Road construction & maintenance workers ;
if wJBSOC=924 then E11105XX=99 ; * Paviers, kerb layers ;
if wJBSOC=929 then E11105XX=99 ; * Other building & civil engineering labourers nec ;
if wJBSOC=930 then E11105XX=97 ; * Stevedores, dockers ;
if wJBSOC=931 then E11105XX=97 ; * Goods porters ;
if wJBSOC=932 then E11105XX=99 ; * Slingers ;
if wJBSOC=933 then E11105XX=99 ; * Refuse & salvage collectors ;
if wJBSOC=934 then E11105XX=98 ; * Driver's mates ;
if wJBSOC=940 then E11105XX=37 ; * Postal workers, mail sorters ;
if wJBSOC=941 then E11105XX=37 ; * Messengers, couriers ;
if wJBSOC=950 then E11105XX=59 ; * Hospital porters ;
if wJBSOC=951 then E11105XX=59 ; * Hotel porters ;
if wJBSOC=952 then E11105XX=59 ; * Kitchen porters, hands ;
if wJBSOC=953 then E11105XX=59 ; * Counterhands, catering assistants ;
if wJBSOC=954 then E11105XX=59 ; * Shelf fillers ;
if wJBSOC=955 then E11105XX=59 ; * Lift & car park attendants ;
if wJBSOC=956 then E11105XX=55 ; * Window cleaners ;
if wJBSOC=957 then E11105XX=55 ; * Road sweepers ;
if wJBSOC=958 then E11105XX=55 ; * Cleaners, domestics ;
if wJBSOC=959 then E11105XX=49 ; * Other occupations in sales & services nec ;
if wJBSOC=990 then E11105XX=99 ; * All other labourers & related workers ;
if wJBSOC=999 then E11105XX=99 ; * All others in miscellaneous occupations nec ;
if wJBSOC<0 then E11105XX=.M ; * Assign missing value code;

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E11105_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.....C	3107	.	.	.
.....M	785	.	.	.
Not applicable	0	42.10	4163	42.10
1-10	1	6.91	4846	49.01
11-20	2	8.01	5638	57.02
21-30	3	4.37	6070	61.39
31-40	4	11.19	7176	72.57
41-50	5	3.53	7525	76.10
51-60	6	7.64	8280	83.74
61-70	7	1.24	8403	84.98
71-80	8	3.26	8725	88.24
81-90	9	4.36	9156	92.60
91-101	10	7.40	9888	100.00

Frequency Missing = 3892

E11105_1992		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	2926	.	.	.
	M	423	.	.	.
Not applicable	0	4301	43.88	4301	43.88
1-10	1	672	6.86	4973	50.73
1-20	2	756	7.71	5729	58.45
21-30	3	444	4.53	6173	62.98
31-40	4	1069	10.91	7242	73.88
41-50	5	351	3.58	7593	77.46
51-60	6	713	7.27	8306	84.74
61-70	7	108	1.10	8414	85.84
71-80	8	293	2.99	8707	88.83
81-90	9	380	3.88	9087	92.71
91-101	10	715	7.29	9802	100.00

Frequency Missing = 3349

E11105_1993		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	2873	.	.	.
	M	684	.	.	.
Not applicable	0	4159	43.56	4159	43.56
1-10	1	677	7.09	4836	50.65
11-20	2	772	8.09	5608	58.74
21-30	3	462	4.84	6070	63.58
31-40	4	1047	10.97	7117	74.55
41-50	5	314	3.29	7431	77.84
51-60	6	677	7.09	8108	84.93
61-70	7	115	1.20	8223	86.13
71-80	8	291	3.05	8514	89.18
81-90	9	352	3.69	8866	92.87
91-101	10	681	7.13	9547	100.00

Frequency Missing = 3557

E11105_1994		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	2817	.	.	.
	M	610	.	.	.
Not applicable	0	4089	43.39	4089	43.39
1-10	1	662	7.02	4751	50.41
11-20	2	774	8.21	5525	58.63
21-30	3	478	5.07	6003	63.70
31-40	4	994	10.55	6997	74.25
41-50	5	322	3.42	7319	77.66
51-60	6	681	7.23	8000	84.89
61-70	7	97	1.03	8097	85.92
71-80	8	296	3.14	8393	89.06
81-90	9	364	3.86	8757	92.92
91-101	10	667	7.08	9424	100.00

Frequency Missing = 3427

E11105_1995		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	C	2721	.	.	.
	M	625	.	.	.
Not applicable	0	3910	42.49	3910	42.49
1-10	1	679	7.38	4589	49.86
11-20	2	798	8.67	5387	58.54
21-30	3	482	5.24	5869	63.77
31-40	4	950	10.32	6819	74.10
41-50	5	331	3.60	7150	77.69
51-60	6	670	7.28	7820	84.97
61-70	7	101	1.10	7921	86.07
71-80	8	276	3.00	8197	89.07
81-90	9	369	4.01	8566	93.08
91-101	10	637	6.92	9203	100.00

Frequency Missing = 3346

E11105_1996		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	C	2738	.	.	.
	M	601	.	.	.
Not applicable	0	3932	41.91	3932	41.91
1-10	1	704	7.50	4636	49.42
11-20	2	791	8.43	5427	57.85
21-30	3	536	5.71	5963	63.56
31-40	4	997	10.63	6960	74.19
41-50	5	323	3.44	7283	77.64
51-60	6	660	7.04	7943	84.67
61-70	7	109	1.16	8052	85.83
71-80	8	295	3.14	8347	88.98
81-90	9	382	4.07	8729	93.05
91-101	10	652	6.95	9381	100.00

Frequency Missing = 3339

E11105_1997		Frequency	Percent	Cumulative Frequency	Cumulative Percent
	C	3347	.	.	.
	M	558	.	.	.
Not applicable	0	4818	43.26	4818	43.26
1-10	1	797	7.16	5615	50.42
11-20	2	897	8.05	6512	58.47
21-30	3	588	5.28	7100	63.75
31-40	4	1123	10.08	8223	73.83
41-50	5	403	3.62	8626	77.45
51-60	6	795	7.14	9421	84.59
61-70	7	143	1.28	9564	85.88
71-80	8	328	2.95	9892	88.82
81-90	9	439	3.94	10331	92.76
91-101	10	806	7.24	11137	100.00

Frequency Missing = 3905

E11105_1998		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	3334	.	.	.
	M	656	.	.	.
Not applicable	0	4588	42.31	4588	42.31
1-10	1	793	7.31	5381	49.62
11-20	2	893	8.23	6274	57.85
21-30	3	589	5.43	6863	63.28
31-40	4	1134	10.46	7997	73.74
41-50	5	410	3.78	8407	77.52
51-60	6	805	7.42	9212	84.94
61-70	7	129	1.19	9341	86.13
71-80	8	317	2.92	9658	89.05
81-90	9	441	4.07	10099	93.12
91-101	10	746	6.88	10845	100.00

Frequency Missing = 3990

E11105_1999		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	4818	.	.	.
	M	1279	.	.	.
Not applicable	0	6807	44.08	6807	44.08
1-10	1	1116	7.23	7923	51.30
11-20	2	1228	7.95	9151	59.26
21-30	3	827	5.36	9978	64.61
31-40	4	1471	9.53	11449	74.14
41-50	5	534	3.46	11983	77.60
51-60	6	1090	7.06	13073	84.65
61-70	7	182	1.18	13255	85.83
71-80	8	443	2.87	13698	88.70
81-90	9	587	3.80	14285	92.50
91-101	10	1158	7.50	15443	100.00

Frequency Missing = 6097

E11105_2000		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	4913	.	.	.
	M	1259	.	.	.
Not applicable	0	6689	43.35	6689	43.35
1-10	1	1128	7.31	7817	50.66
11-20	2	1314	8.52	9131	59.18
21-30	3	797	5.17	9928	64.34
31-40	4	1490	9.66	11418	74.00
41-50	5	600	3.89	12018	77.89
51-60	6	1051	6.81	13069	84.70
61-70	7	198	1.28	13267	85.98
71-80	8	444	2.88	13711	88.86
81-90	9	603	3.91	14314	92.77
91-101	10	1116	7.23	15430	100.00

Frequency Missing = 6172

E11105_2001		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	6061	.	.	.
	M	3543	.	.	.
Not applicable	0	8249	48.57	8249	48.57
1-10	1	1122	6.61	9371	55.18
11-20	2	1354	7.97	10725	63.16
21-30	3	846	4.98	11571	68.14
31-40	4	1473	8.67	13044	76.81
41-50	5	585	3.44	13629	80.26
51-60	6	1038	6.11	14667	86.37
61-70	7	200	1.18	14867	87.55
71-80	8	400	2.36	15267	89.90
81-90	9	568	3.34	15835	93.25
91-101	10	1147	6.75	16982	100.00

Frequency Missing = 9604

E11105_2002		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	5240	.	.	.
	M	3318	.	.	.
Not applicable	0	7035	47.29	7035	47.29
1-10	1	1071	7.20	8106	54.49
11-20	2	1279	8.60	9385	63.08
21-30	3	778	5.23	10163	68.31
31-40	4	1328	8.93	11491	77.24
41-50	5	511	3.43	12002	80.67
51-60	6	890	5.98	12892	86.66
61-70	7	151	1.01	13043	87.67
71-80	8	350	2.35	13393	90.02
81-90	9	471	3.17	13864	93.19
91-101	10	1013	6.81	14877	100.00

Frequency Missing = 8558

E11105_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	4978	.	.	.
	M	2944	.	.	.
Not applicable	0	6864	46.89	6864	46.89
1-10	1	1102	7.53	7966	54.42
11-20	2	1238	8.46	9204	62.88
21-30	3	740	5.06	9944	67.94
31-40	4	1324	9.05	11268	76.98
41-50	5	523	3.57	11791	80.56
51-60	6	879	6.01	12670	86.56
61-70	7	136	0.93	12806	87.49
71-80	8	333	2.28	13139	89.77
81-90	9	451	3.08	13590	92.85
91-101	10	1047	7.15	14637	100.00

Frequency Missing = 7922

E11105_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
		4813	.	.	.
	C	2951	.	.	.
	M	6575	45.85	6575	45.85
Not applicable	0	1101	7.68	7676	53.52
1-10	1	1301	9.07	8977	62.60
11-20	2	767	5.35	9744	67.95
21-30	3	1276	8.90	11020	76.84
31-40	4	518	3.61	11538	80.45
41-50	5	870	6.07	12408	86.52
51-60	6	143	1.00	12551	87.52
61-70	7	299	2.08	12850	89.60
71-80	8	439	3.06	13289	92.66
81-90	9	1052	7.34	14341	100.00
91-101	10				

Frequency Missing = 7764

Comparable Variables	BHPS
Variable Name	E11106LL
Variable Label	One-Digit Industry Code of Individual
Survey/Created	S
Reliability	1
Unit of Observation	I

Description This variable indicates occupation on the primary job of the individual.

Method

This variable is based on the industry in which the individual reports being employed at the time of the survey. One digit industry codes are collapsed from the two-digit industry codes (E11107_1990-E11107_2000).

Format:	.C (-1)	=	N/A - Child
	.M (-2)	=	Item non-response
	.S (-3)	=	Survey non-response
	0	=	Not applicable
	1	=	Agriculture
	2	=	Energy
	3	=	Mining
	4	=	Manufacturing
	5	=	Construction
	6	=	Trade
	7	=	Transport
	8	=	Bank/Insurance
	9	=	Services

This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (XX=91-04)

```

if E11107XX in (1,2) then E11106XX=1;
else if E11107XX = 3 then E11106XX=2;
else if E11107XX = 4 then E11106XX=3;
else if E11107XX ge 5 and E11107XX le 13 then E11106XX=4;
else if E11107XX in (14,15) then E11106XX=5;
else if E11107XX in (16,17,18) then E11106XX=6;
else if E11107XX in (19,20,21) then E11106XX=7;
else if E11107XX in (22,23,29) then E11106XX=8;
else if (E11107XX ge 24 and E11107XX le 28)
    or (E11107XX ge 30 and E11107XX le 34) then E11106XX=9;

```

E11106_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ffffffffff				
C	3107	.	.	.
M	965	.	.	.
Not Applicable	0	42.88	4163	42.88
Agriculture	1	1.13	4273	44.02
Energy	2	1.12	4382	45.14
Mining	3	0.15	4397	45.29
Manufacturing	4	10.59	5425	55.88
Construction	5	3.36	5751	59.24
Trade	6	9.05	6630	68.29
Transport	7	3.69	6988	71.98
Bank/Insurance	8	3.76	7353	75.74
Services	9	24.26	9708	100.00

Frequency Missing = 4072

E11106_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ffffffffff				
C	2926	.	.	.
M	498	.	.	.
Not Applicable	0	44.22	4301	44.22
Agriculture	1	0.98	4396	45.19
Energy	2	1.09	4502	46.28
Mining	3	0.17	4519	46.46
Manufacturing	4	10.10	5501	56.55
Construction	5	3.07	5800	59.63
Trade	6	8.89	6665	68.52
Transport	7	3.81	7036	72.33
Bank/Insurance	8	4.03	7428	76.36
Services	9	23.64	9727	100.00

Frequency Missing = 3424

E11106_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ffffffffff				
C	2873	.	.	.
M	812	.	.	.
Not Applicable	0	44.16	4159	44.16
Agriculture	1	1.10	4263	45.26
Energy	2	0.98	4355	46.24
Mining	3	0.12	4366	46.35
Manufacturing	4	9.42	5253	55.77
Construction	5	3.15	5550	58.92
Trade	6	8.88	6386	67.80
Transport	7	3.89	6752	71.68
Bank/Insurance	8	3.82	7112	75.51
Services	9	24.49	9419	100.00

Frequency Missing = 3685

E11106_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2817	.	.	.
M	705	.	.	.
Not Applicable	0	43.83	4089	43.83
Agriculture	1	1.09	4191	44.92
Energy	2	0.83	4268	45.75
Mining	3	0.11	4278	45.86
Manufacturing	4	9.43	5158	55.29
Construction	5	3.32	5468	58.61
Trade	6	9.08	6315	67.69
Transport	7	3.73	6663	71.42
Bank/Insurance	8	4.05	7041	75.47
Services	9	24.53	9329	100.00
Frequency Missing = 3522				

E11106_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2721	.	.	.
M	713	.	.	.
Not Applicable	0	42.90	3910	42.90
Agriculture	1	1.12	4012	44.02
Energy	2	0.82	4087	44.84
Mining	3	0.15	4101	44.99
Manufacturing	4	9.88	5002	54.88
Construction	5	3.14	5288	58.01
Trade	6	9.29	6135	67.31
Transport	7	3.72	6474	71.03
Bank/Insurance	8	4.07	6845	75.10
Services	9	24.90	9115	100.00
Frequency Missing = 3434				

E11106_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2738	.	.	.
M	700	.	.	.
Not Applicable	0	42.36	3932	42.36
Agriculture	1	1.16	4040	43.53
Energy	2	0.84	4118	44.37
Mining	3	0.09	4126	44.45
Manufacturing	4	9.79	5035	54.24
Construction	5	3.19	5331	57.43
Trade	6	9.10	6176	66.54
Transport	7	4.10	6557	70.64
Bank/Insurance	8	3.90	6919	74.54
Services	9	25.46	9282	100.00
Frequency Missing = 3438				

E11106_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	3347	.	.	.
M	1429	.	.	.
Not Applicable	0	46.93	4818	46.93
Agriculture	1	1.01	4922	47.94
Energy	2	0.75	4999	48.69
Mining	3	0.09	5008	48.78
Manufacturing	4	8.96	5928	57.74
Construction	5	2.90	6226	60.65
Trade	6	8.33	7081	68.98
Transport	7	3.82	7473	72.79
Bank/Insurance	8	3.62	7845	76.42
Services	9	23.58	10266	100.00

Frequency Missing = 4776

E11106_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	3334	.	.	.
M	753	.	.	.
Not Applicable	0	42.69	4588	42.69
Agriculture	1	1.18	4715	43.87
Energy	2	0.69	4789	44.56
Mining	3	0.08	4798	44.64
Manufacturing	4	9.34	5802	53.98
Construction	5	3.16	6142	57.15
Trade	6	8.89	7097	66.03
Transport	7	4.34	7563	70.37
Bank/Insurance	8	4.00	7993	74.37
Services	9	25.63	10748	100.00

Frequency Missing = 4087

E11106_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	4818	.	.	.
M	1545	.	.	.
Not Applicable	0	44.85	6807	44.85
Agriculture	1	1.23	6993	46.08
Energy	2	0.96	7138	47.03
Mining	3	0.11	7155	47.14
Manufacturing	4	8.36	8424	55.51
Construction	5	3.37	8936	58.88
Trade	6	8.17	10176	67.05
Transport	7	4.12	10801	71.17
Bank/Insurance	8	3.51	11334	74.68
Services	9	25.32	15177	100.00

Frequency Missing = 6363

E11106_2003		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	4978	.	.	.
	M	1659	.	.	.
Not Applicable	0	6864	43.11	6864	43.11
Agriculture	1	202	1.27	7066	44.38
Energy	2	122	0.77	7188	45.15
Mining	3	14	0.09	7202	45.23
Manufacturing	4	1272	7.99	8474	53.22
Construction	5	620	3.89	9094	57.12
Trade	6	1264	7.94	10358	65.05
Transport	7	639	4.01	10997	69.07
Bank/Insurance	8	459	2.88	11456	71.95
Services	9	4466	28.05	15922	100.00

Frequency Missing = 6637

E11106_2004		Frequency	Percent	Cumulative Frequency	Cumulative Percent
ff					
	C	4813	.	.	.
	M	1814	.	.	.
Not Applicable	0	6575	42.48	6575	42.48
Agriculture	1	185	1.20	6760	43.67
Energy	2	94	0.61	6854	44.28
Mining	3	12	0.08	6866	44.36
Manufacturing	4	1190	7.69	8056	52.05
Construction	5	691	4.46	8747	56.51
Trade	6	1242	8.02	9989	64.54
Transport	7	602	3.89	10591	68.43
Bank/Insurance	8	454	2.93	11045	71.36
Services	9	4433	28.64	15478	100.00

Frequency Missing = 6627

Comparable Variables BHPS

Variable Name E11107LL

Variable Label Two-Digit Industry Code of Individual

Survey/Created C

Reliability 1

Unit of Observation I

Description This variable indicates the industry in which the individual was occupied at the time of the interview.

Method

The occupation codes in the BHPS are recoded to the ones shown below.

Format:

.C (-1)	=	N/A - Child			
.M (-2)	=	Item non-response			
.S (-3)	=	Survey non-response			
0	=	Not Applicable	25	=	Service Indust
1	=	Agric.,Forestry	26	=	Trash Removal
2	=	Fisheries	27	=	Educ./Sport
3	=	Energy/Water	28	=	Health Service
4	=	Mining	29	=	Legal Services
5	=	Chemicals	30	=	Other Services
6	=	Synthetics	31	=	Volunt./Church
7	=	Earth/Clay/Stone	32	=	Priv. Househld
8	=	Iron/Steel	33	=	Public Administration
9	=	Mechanical Eng	34	=	Social Security
10	=	Electrical Eng			
11	=	Wood/Paper/Print			
12	=	Clothing/Text			
13	=	Food Industry			
14	=	Construction			
15	=	Constr. Relate			
16	=	Wholesale			
17	=	Trading Agents			
18	=	Retail			
19	=	Train System			
20	=	Postal System			
21	=	Other Trans.			
22	=	Financial Inst			
23	=	Insurance			
24	=	Restaurants			

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (XX=91-04, w=a-n)
 if wJBSIC ge 100 and wJBSIC le 299 then E11107XX=1;
 else if wJBSIC = 300 then E11107XX=2;

```

else if wJBSIC ge 1115 and wJBSIC le 1700 then E11107XX=3;
else if wJBSIC in (1113,1114) or wJBSIC = 2100
  or (wJBSIC ge 2310 and wJBSIC le 2396) then E11107XX=4;
else if wJBSIC ge 2511 and wJBSIC le 2599 then E11107XX=5;
else if wJBSIC = 2600 then E11107XX=6;
else if wJBSIC ge 2410 and wJBSIC le 2489 then E11107XX=7;
else if (wJBSIC ge 2210 and wJBSIC le 2247)
  or (wJBSIC ge 3111 and wJBSIC le 3169) then E11107XX=8;
else if (wJBSIC ge 3204 and wJBSIC le 3289)
  or (wJBSIC in (3301,3302))
  or (wJBSIC ge 3510 and wJBSIC le 3560) then E11107XX=9;
else if (wJBSIC ge 3410 and wJBSIC le 3480)
  or (wJBSIC ge 3710 and wJBSIC le 3740) then E11107XX=10;
else if wJBSIC ge 4710 and wJBSIC le 4754 then E11107XX=11;
else if (wJBSIC ge 4310 and wJBSIC le 4560)
  or (wJBSIC ge 4910 and wJBSIC le 4959) then E11107XX=12;
else if wJBSIC ge 4115 and wJBSIC le 4290 then E11107XX=13;
else if wJBSIC = 5000 then E11107XX=14;
else if wJBSIC ge 5010 and wJBSIC le 5040 then E11107XX=15;
else if (wJBSIC ge 4610 and wJBSIC le 4672)
  or (wJBSIC ge 4811 and wJBSIC le 4836)
  or (wJBSIC ge 6110 and wJBSIC le 6220) then E11107XX=16;
else if wJBSIC = 6300 then E11107XX=17;
else if wJBSIC ge 6410 and wJBSIC le 6560 then E11107XX=18;
else if wJBSIC = 7100 then E11107XX=19;
else if (wJBSIC ge 7901 and wJBSIC le 7902)
  or (wJBSIC ge 9711 and wJBSIC le 9760) then E11107XX=20;
else if wJBSIC ge 7210 and wJBSIC le 7700 then E11107XX=21;
else if (wJBSIC ge 8140 and wJBSIC le 8150) or wJBSIC=8310 then E11107XX=22;
else if wJBSIC in (8200,8320) then E11107XX=23;
else if wJBSIC ge 6611 and wJBSIC le 6670 then E11107XX=24;
else if wJBSIC ge 9811 and wJBSIC le 9890 then E11107XX=25;
else if wJBSIC ge 9211 and wJBSIC le 9230 then E11107XX=26;
else if (wJBSIC ge 9310 and wJBSIC le 9360)
  or (wJBSIC ge 9770 and wJBSIC le 9791) then E11107XX=27;
else if wJBSIC ge 9510 and wJBSIC le 9560 then E11107XX=28;
else if wJBSIC in (8340,8350,8500) then E11107XX=29;
else if (wJBSIC ge 6710 and wJBSIC le 6730)
  or (wJBSIC ge 8360 and wJBSIC le 8490)
  or wJBSIC=9400 then E11107XX=30;
else if wJBSIC ge 9611 and wJBSIC le 9690 then E11107XX=31;
else if wJBSIC=9900 then E11107XX=32;
else if (wJBSIC ge 9111 and wJBSIC le 9150) or wJBSIC=0000 then E11107XX=33;
else if wJBSIC=9190 then E11107XX=34;
else if wJBSIC=. and E11102XX=0 then E11107XX=0;

```

*Create 2-digit industry code using new sic codes;

```

2002-2004 algorithm: (XX=02, w=1)
if ljbsic92 ge 100 and ljbsic92 le 299 then E11107XX=1;
if ljbsic92 ge 500 and ljbsic92 le 599 then E11107XX=2;
if (ljbsic92 ge 1000 and ljbsic92 le 1200)
  or (ljbsic92 ge 2300 and ljbsic92 le 2339)
  or (ljbsic92 ge 4000 and ljbsic92 le 4100) then E11107XX=3;
if (ljbsic92 ge 1300 and ljbsic92 le 1459) then E11107XX=4;
if ljbsic92 ge 2400 and ljbsic92 le 2479 then E11107XX=5;
if ljbsic92 ge 2500 and ljbsic92 le 2524 then E11107XX=6;

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if ljbsic92 ge 2600 and ljbsic92 le 2699 then E11107XX=7;
if (ljbsic92 ge 2700 and ljbsic92 le 2759) then E11107XX=8;
if (ljbsic92 ge 2800 and ljbsic92 le 2979)
  or (ljbsic92 ge 3400 and ljbsic92 le 3559) then E11107XX=9;
if (ljbsic92 ge 3000 and ljbsic92 le 3359) then E11107XX=10;
if ljbsic92 ge 2100 and ljbsic92 le 2239 then E11107XX=11;
if (ljbsic92 ge 1700 and ljbsic92 le 1999)
  or (ljbsic92 ge 3620 and ljbsic92 le 3669) then E11107XX=12;
if ljbsic92 ge 1500 and ljbsic92 le 1600 then E11107XX=13;
if ljbsic92 ge 4500 and ljbsic92 le 4525 then E11107XX=14;
if ljbsic92 ge 4530 and ljbsic92 le 4559 then E11107XX=15;
if (ljbsic92 ge 2000 and ljbsic92 le 2059)
  or (ljbsic92 ge 3600 and ljbsic92 le 3615)
  or (ljbsic92 ge 3700 and ljbsic92 le 3720)
  or (ljbsic92 ge 5121 and ljbsic92 le 5179) then E11107XX=16;
if (ljbsic92 ge 5100 and ljbsic92 le 5119) then E11107XX=17;
if (ljbsic92 ge 5000 and ljbsic92 le 5010)
  or (ljbsic92 ge 5030 and ljbsic92 le 5050)
  or (ljbsic92 ge 5200 and ljbsic92 le 5263) then E11107XX=18;
if ljbsic92 = 6010 then E11107XX=19;
if (ljbsic92 ge 6400 and ljbsic92 le 6420)
  or (ljbsic92 ge 9200 and ljbsic92 le 9272) then E11107XX=20;
if ljbsic92 ge 6020 and ljbsic92 le 6340 then E11107XX=21;
if (ljbsic92 ge 6500 and ljbsic92 le 6523)
  or (ljbsic92 ge 6710 and ljbsic92 le 6713) then E11107XX=22;
if (ljbsic92 ge 6600 and ljbsic92 le 6603) or ljbsic92=6720 then E11107XX=23;
if ljbsic92 ge 5500 and ljbsic92 le 5552 then E11107XX=24;
if ljbsic92 ge 9300 and ljbsic92 le 9305 then E11107XX=25;
if ljbsic92=9000 then E11107XX=26;
if (ljbsic92 ge 7300 and ljbsic92 le 7320)
  or (ljbsic92 ge 8000 and ljbsic92 le 8042)
  or (ljbsic92 ge 9250 and ljbsic92 le 9272) then E11107XX=27;
if ljbsic92 ge 8500 and ljbsic92 le 8520 then E11107XX=28;
if (ljbsic92 ge 7000 and ljbsic92 le 7032) then E11107XX=29;
if (ljbsic92 ge 5020 and ljbsic92 le 5020)
  or (ljbsic92 ge 5270 and ljbsic92 le 5279)
  or (ljbsic92 ge 7100 and ljbsic92 le 7260)
  or (ljbsic92 ge 7400 and ljbsic92 le 7484) then E11107XX=30;
if ljbsic92 ge 8530 and ljbsic92 le 8532 then E11107XX=31;
if ljbsic92=9500 then E11107XX=32;
if (ljbsic92 ge 7500 and ljbsic92 le 7525) or ljbsic92=9900 then E11107XX=33;
if ljbsic92=7530 then E11107XX=34;
if ljbsic92=. and iempst102=0 then E11107XX=0;
if ljbsic92<0 then E11107XX=.M;

```

E11107_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	3107	.	.	.
M	965	.	.	.
Not Applicable	4163	42.88	4163	42.88
1-10	859	8.85	5022	51.73
11-20	1776	18.29	6798	70.02
21-30	2222	22.89	9020	92.91
31-34	688	7.09	9708	100.00
Frequency Missing = 4072				

E11107_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2926	.	.	.
M	498	.	.	.
Not Applicable	4301	44.22	4301	44.22
1-10	810	8.33	5111	52.54
11-20	1724	17.72	6835	70.27
21-30	2193	22.55	9028	92.81
31-34	699	7.19	9727	100.00
Frequency Missing = 3424				

E11107_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2873	.	.	.
M	812	.	.	.
Not Applicable	4159	44.16	4159	44.16
1-10	731	7.76	4890	51.92
11-20	1660	17.62	6550	69.54
21-30	2173	23.07	8723	92.61
31-34	696	7.39	9419	100.00
Frequency Missing = 3685				

E11107_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2817	.	.	.
M	705	.	.	.
Not Applicable	4089	43.83	4089	43.83
1-10	724	7.76	4813	51.59
11-20	1657	17.76	6470	69.35
21-30	2213	23.72	8683	93.08
31-34	646	6.92	9329	100.00
Frequency Missing = 3522				

E11107_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#####				
C	2721	.	.	.
M	713	.	.	.
Not Applicable	3910	42.90	3910	42.90
1-10	742	8.14	4652	51.04
11-20	1643	18.03	6295	69.06
21-30	2173	23.84	8468	92.90
31-34	647	7.10	9115	100.00
Frequency Missing = 3434				

E11107_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Applicable	3932	42.36	3932	42.36
1-10	747	8.05	4679	50.41
11-20	1657	17.85	6336	68.26
21-30	2297	24.75	8633	93.01
31-34	649	6.99	9282	100.00

Frequency Missing = 3438

E11107_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Applicable	4818	46.93	4818	46.93
1-10	755	7.35	5573	54.29
11-20	1674	16.31	7247	70.59
21-30	2342	22.81	9589	93.41
31-34	677	6.59	10266	100.00

Frequency Missing = 4776

E11107_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Applicable	4588	42.69	4588	42.69
1-10	838	7.80	5426	50.48
11-20	1851	17.22	7277	67.71
21-30	2732	25.42	10009	93.12
31-34	739	6.88	10748	100.00

Frequency Missing = 4087

E11107_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not Applicable	6807	44.85	6807	44.85
1-10	1111	7.32	7918	52.17
11-20	2513	16.56	10431	68.73
21-30	3663	24.14	14094	92.86
31-34	1083	7.14	15177	100.00

Frequency Missing = 6363

E11107_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	4913	.	.	.
M	1523	.	.	.
Not Applicable	6689	44.11	6689	44.11
1-10	1111	7.33	7800	51.43
11-20	2519	16.61	10319	68.04
21-30	3762	24.81	14081	92.85
31-34	1085	7.15	15166	100.00

Frequency Missing = 6436

E11107_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	6061	.	.	.
M	3847	.	.	.
Not Applicable	8249	49.46	8249	49.46
1-10	1080	6.48	9329	55.94
11-20	2426	14.55	11755	70.48
21-30	3808	22.83	15563	93.31
31-34	1115	6.69	16678	100.00

Frequency Missing = 9908

E11107_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	5240	.	.	.
M	1939	.	.	.
Not Applicable	7035	43.28	7035	43.28
1-10	1274	7.84	8309	51.11
11-20	2663	16.38	10972	67.50
21-30	3987	24.53	14959	92.02
31-34	1297	7.98	16256	100.00

Frequency Missing = 7179

E11107_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	4978	.	.	.
M	1659	.	.	.
Not Applicable	6864	43.11	6864	43.11
1-10	1115	7.00	7979	50.11
11-20	2658	16.69	10637	66.81
21-30	4003	25.14	14640	91.95
31-34	1282	8.05	15922	100.00

Frequency Missing = 6637

E11107_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
CC				
C	4813	.	.	.
M	1814	.	.	.
Not Applicable	6575	42.48	6575	42.48
1-10	1051	6.79	7626	49.27
11-20	2635	17.02	10261	66.29
21-30	3929	25.38	14190	91.68
31-34	1288	8.32	15478	100.00

Frequency Missing = 6627

Comparable Variables

BHPS

Variable Names	Variable Label
H11101LL	Number of Household members age 0-14
H11102LL	Number of Household members age 15-18
H11103LL	Number of Household members age 0-1
H11104LL	Number of Household members age 2-4
H11105LL	Number of Household members age 5-7
H11106LL	Number of Household members age 8-10
H11107LL	Number of Household members age 11-12
H11108LL	Number of Household members age 13-15
H11109LL	Number of Household members age 16-18
H11110LL	Number of Household members age 19+ or 16-18 & indep.
Survey/Created	C
Reliability	1
Unit of Observation	H

Description These variables indicate the number of household members in the given age category living in the household at the time of the interview. H11109LL (LL=91-04) includes 16-18 year old youth who are in full-time education leading up to and including AA-levels@ (or AHighers@ in Scotland) and living with a parent. H11110LL (LL=91-04) includes 16-18 year old youth who are not in full-time education, are married and living independently or are in full-time education above AA-levels@ (or AHighers@ in Scotland).

Method

These variables are the simple count of all individuals in the household whose age is in the listed category.

Format: .M (-2) = Item non-response
.S (-3) = Survey non-response

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (LL=91-04, w=a-n)

*Created variable - person is dependent or independent;

*Algorithm to code whether person is dependent or independent. Dependent status is used to decide whether 16-18 year old youth are counted as adults or children in the McClements equivalence scale commonly used in Great Britain.

```
if X11103XX=1 then do;
if WAGE<0 then WDEPCHLXX=-9;
else if WAGE>18 then WDEPCHLXX=2;
```

```

else if 0<=wAGE<16 then wDEPCHLXX=1;
else if 16<=wAGE<=18 then do;
  if wHGMNO>=1 or wHGFNO>=1 then do;
    if wHGEMP in (0,2) and wMASTAT in (0,6) then do;
      if wIVFIO in (1,2) then do;
        if wSCHOOL=2 then wDEPCHLXX=1;
        else if wFETYPE=2 then wDEPCHLXX=1;
        else wDEPCHLXX=2;
      end;
    else wDEPCHLXX=1;
  end;
else wDEPCHLXX=2;
end;
else wDEPCHLXX=2;
end;
end;
*Age categories used in various equivalence scales;
*These variables indicate whether a person is of a given age;
*They will be summed across all members of a household to indicate the number
of household members in the age category;

if X11103XX=1 then do;
*First set default values;
  H11101XX=0; H11102XX=0; H11103XX=0; H11104XX=0; H11105XX=0;
  H11106XX=0; H11107XX=0; H11108XX=0; H11109XX=0;
  H11110XX=0;
*Turn on age category indicators if person is of given age;

*Code up indicator child 0 to 14 in household;
  if 0<=wAGE<15 then H11101XX=1;

*Code up indicator child 15 to 18 in household;
  if 15<=wAGE<19 then H11102XX=1;

*Code up indicators for McClements household age distribution;

*Code up indicator child 0 to 1 in household;
  if 0<=wAGE<2 then H11103XX=1;

*Code up indicator child 2 to 4 in household;
  if 2<=wAGE<5 then H11104XX=1;

*Code up indicator child 5 to 7 in household;
  if 5<=wAGE<8 then H11105XX=1;

*Code up indicator child 8 to 10 in household;
  if 8<=wAGE<11 then H11106XX=1;

*Code up indicator child 11 to 12 in household;
  if 11<=wAGE<13 then H11107XX=1;

*Code up indicator child 13 to 15 in household;
  if 13<=wAGE<16 then H11108XX=1;

*Code up indicator child 16 to 18 in household;

```

```

*If out of school, married and living independently or pursuing higher
education then code 16-18 year old as adult;
  if 16<=wAGE<19 then do;
    if wDEPCHLXX=1 then H11109XX=1;
    else if wDEPCHLXX=2 then H11110XX=1;
  end;

```

```

*Code up indicator persons age 19 or older in household;
  if 19<=wAGE then H11110XX=1;

end;
end;

```

*All variables are then summed by household id number (X11102XX) (XX=91-03)

Number of household members age 0-14

Number of household members age 0-14

H11101_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7422	53.86	7422	53.86
1	1275	9.25	8697	63.11
2	2312	16.78	11009	79.89
3	1099	7.98	12108	87.87
4	974	7.07	13082	94.93
5	281	2.04	13363	96.97
6	265	1.92	13628	98.90
7	63	0.46	13691	99.35
8	57	0.41	13748	99.77
9	18	0.13	13766	99.90
10	14	0.10	13780	100.00

H11101_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7107	54.04	7107	54.04
1	1280	9.73	8387	63.77
2	2186	16.62	10573	80.40
3	1042	7.92	11615	88.32
4	860	6.54	12475	94.86
5	289	2.20	12764	97.06
6	240	1.82	13004	98.88
7	48	0.36	13052	99.25
8	54	0.41	13106	99.66
9	29	0.22	13135	99.88
10	7	0.05	13142	99.93
14	9	0.07	13151	100.00

H11101_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7108	54.24	7108	54.24
1	1376	10.50	8484	64.74
2	2153	16.43	10637	81.17
3	1111	8.48	11748	89.65
4	781	5.96	12529	95.61
5	226	1.72	12755	97.34
6	217	1.66	12972	98.99
7	48	0.37	13020	99.36
8	49	0.37	13069	99.73
9	17	0.13	13086	99.86
10	8	0.06	13094	99.92
14	10	0.08	13104	100.00

H11101_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6988	54.38	6988	54.38
1	1356	10.55	8344	64.93
2	2167	16.86	10511	81.79
3	1035	8.05	11546	89.85
4	796	6.19	12342	96.04
5	191	1.49	12533	97.53
6	237	1.84	12770	99.37
7	38	0.30	12808	99.67
8	36	0.28	12844	99.95
9	7	0.05	12851	100.00

H11101_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	6896	54.95	6896	54.95
1	1424	11.35	8320	66.30
2	2147	17.11	10467	83.41
3	972	7.75	11439	91.15
4	694	5.53	12133	96.68
5	149	1.19	12282	97.87
6	184	1.47	12466	99.34
7	37	0.29	12503	99.63
8	38	0.30	12541	99.94
9	8	0.06	12549	100.00

H11101_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7021	55.20	7021	55.20
1	1492	11.73	8513	66.93
2	2204	17.33	10717	84.25
3	892	7.01	11609	91.27
4	713	5.61	12322	96.87
5	154	1.21	12476	98.08
6	160	1.26	12636	99.34
7	53	0.42	12689	99.76
8	31	0.24	12720	100.00

H11101_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	8131	54.06	8131	54.06
1	1995	13.26	10126	67.32
2	2562	17.03	12688	84.35
3	1242	8.26	13930	92.61
4	728	4.84	14658	97.45
5	172	1.14	14830	98.59
6	144	0.96	14974	99.55
7	36	0.24	15010	99.79
8	23	0.15	15033	99.94
9	9	0.06	15042	100.00

H11101_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7994	53.89	7994	53.89
1	1972	13.29	9966	67.18
2	2588	17.45	12554	84.62
3	1310	8.83	13864	93.45
4	605	4.08	14469	97.53
5	112	0.75	14581	98.29
6	165	1.11	14746	99.40
7	52	0.35	14798	99.75
8	27	0.18	14825	99.93
11	10	0.07	14835	100.00

H11101_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11594	53.83	11594	53.83
1	3069	14.25	14663	68.07
2	3984	18.50	18647	86.57
3	1698	7.88	20345	94.45
4	802	3.72	21147	98.18
5	160	0.74	21307	98.92
6	181	0.84	21488	99.76
7	39	0.18	21527	99.94
8	13	0.06	21540	100.00

H11101_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11442	52.97	11442	52.97
1	3251	15.05	14693	68.02
2	4099	18.98	18792	86.99
3	1645	7.62	20437	94.61
4	807	3.74	21244	98.34
5	197	0.91	21441	99.25
6	130	0.60	21571	99.86
7	18	0.08	21589	99.94
8	13	0.06	21602	100.00

H11101_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	14043	52.82	14043	52.82
1	4190	15.76	18233	68.58
2	4873	18.33	23106	86.91
3	2152	8.09	25258	95.00
4	924	3.48	26182	98.48
5	255	0.96	26437	99.44
6	126	0.47	26563	99.91
8	13	0.05	26576	99.96
9	10	0.04	26586	100.00

H11101_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12458	53.16	12458	53.16
1	3725	15.90	16183	69.05
2	4389	18.73	20572	87.78
3	1805	7.70	22377	95.49
4	759	3.24	23136	98.72
5	167	0.71	23303	99.44
6	106	0.45	23409	99.89
8	16	0.07	23425	99.96
9	10	0.04	23435	100.00

H11101_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12162	53.91	12162	53.91
1	3551	15.74	15713	69.65
2	4316	19.13	20029	88.78
3	1646	7.30	21675	96.08
4	632	2.80	22307	98.88
5	154	0.68	22461	99.57
6	72	0.32	22533	99.88
7	15	0.07	22548	99.95
9	11	0.05	22559	100.00

H11101_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12016	54.36	12016	54.36
1	3517	15.91	15533	70.27
2	4290	19.41	19823	89.68
3	1453	6.57	21276	96.25
4	600	2.71	21876	98.96
5	112	0.51	21988	99.47
6	73	0.33	22061	99.80
7	33	0.15	22094	99.95
8	11	0.05	22105	100.00

Number of household members age 15-18

H11102_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11409	82.79	11409	82.79
1	428	3.11	11837	85.90
2	1496	10.86	13333	96.76
3	124	0.90	13457	97.66
4	281	2.04	13738	99.70
5	9	0.07	13747	99.76
6	29	0.21	13776	99.97
7	4	0.03	13780	100.00

H11102_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10880	82.73	10880	82.73
1	383	2.91	11263	85.64
2	1445	10.99	12708	96.63
3	128	0.97	12836	97.60
4	294	2.24	13130	99.84
5	13	0.10	13143	99.94
6	4	0.03	13147	99.97
8	4	0.03	13151	100.00

H11102_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10817	82.55	10817	82.55
1	373	2.85	11190	85.39
2	1439	10.98	12629	96.38
3	137	1.05	12766	97.42
4	305	2.33	13071	99.75
5	17	0.13	13088	99.88
6	16	0.12	13104	100.00

H11102_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10682	83.12	10682	83.12
1	503	3.91	11185	87.04
2	1280	9.96	12465	97.00
3	125	0.97	12590	97.97
4	257	2.00	12847	99.97
6	4	0.03	12851	100.00

H11102_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10420	83.03	10420	83.03
1	444	3.54	10864	86.57
2	1254	9.99	12118	96.57
3	144	1.15	12262	97.71
4	221	1.76	12483	99.47
5	23	0.18	12506	99.66
6	14	0.11	12520	99.77
7	7	0.06	12527	99.82
8	6	0.05	12533	99.87
10	16	0.13	12549	100.00

H11102_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10547	82.92	10547	82.92
1	520	4.09	11067	87.00
2	1245	9.79	12312	96.79
3	178	1.40	12490	98.19
4	206	1.62	12696	99.81
5	12	0.09	12708	99.91
6	12	0.09	12720	100.00

H11102_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12504	83.13	12504	83.13
1	754	5.01	13258	88.14
2	1380	9.17	14638	97.31
3	190	1.26	14828	98.58
4	188	1.25	15016	99.83
5	5	0.03	15021	99.86
6	10	0.07	15031	99.93
7	11	0.07	15042	100.00

H11102_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12367	83.36	12367	83.36
1	799	5.39	13166	88.75
2	1272	8.57	14438	97.32
3	166	1.12	14604	98.44
4	208	1.40	14812	99.84
5	10	0.07	14822	99.91
6	13	0.09	14835	100.00

H11102_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	17902	83.11	17902	83.11
1	1386	6.43	19288	89.55
2	1630	7.57	20918	97.11
3	304	1.41	21222	98.52
4	291	1.35	21513	99.87
5	17	0.08	21530	99.95
6	10	0.05	21540	100.00

H11102_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	17943	83.06	17943	83.06
1	1558	7.21	19501	90.27
2	1520	7.04	21021	97.31
3	330	1.53	21351	98.84
4	228	1.06	21579	99.89
5	7	0.03	21586	99.93
8	8	0.04	21594	99.96
12	8	0.04	21602	100.00

H11102_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	21595	81.23	21595	81.23
1	2637	9.92	24232	91.15
2	1735	6.53	25967	97.67
3	372	1.40	26339	99.07
4	222	0.84	26561	99.91
5	6	0.02	26567	99.93
6	19	0.07	26586	100.00

H11102_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19062	81.34	19062	81.34
1	2535	10.82	21597	92.16
2	1398	5.97	22995	98.12
3	300	1.28	23295	99.40
4	103	0.44	23398	99.84
5	21	0.09	23419	99.93
6	10	0.04	23429	99.97
9	6	0.03	23435	100.00

H11102_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18251	80.90	18251	80.90
1	2852	12.64	21103	93.55
2	1208	5.35	22311	98.90
3	191	0.85	22502	99.75
4	57	0.25	22559	100.00

H11102_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	17846	80.73	17846	80.73
1	2996	13.55	20842	94.29
2	1147	5.19	21989	99.48
3	68	0.31	22057	99.78
4	43	0.19	22100	99.98
6	5	0.02	22105	100.00

Number of household members age 0-1

H11103_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12203	88.56	12203	88.56
1	1191	8.64	13394	97.20
2	373	2.71	13767	99.91
3	4	0.03	13771	99.93
4	9	0.07	13780	100.00

H11103_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11740	89.27	11740	89.27
1	1058	8.05	12798	97.32
2	314	2.39	13112	99.70
3	14	0.11	13126	99.81
4	25	0.19	13151	100.00

H11103_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11826	90.25	11826	90.25
1	1000	7.63	12826	97.88
2	252	1.92	13078	99.80
3	8	0.06	13086	99.86
4	18	0.14	13104	100.00

H11103_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11455	89.14	11455	89.14
1	1122	8.73	12577	97.87
2	270	2.10	12847	99.97
4	4	0.03	12851	100.00

H11103_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11211	89.34	11211	89.34
1	1122	8.94	12333	98.28
2	200	1.59	12533	99.87
3	8	0.06	12541	99.94
4	8	0.06	12549	100.00

H11103_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11465	90.13	11465	90.13
1	1064	8.36	12529	98.50
2	172	1.35	12701	99.85
3	7	0.06	12708	99.91
4	4	0.03	12712	99.94
6	8	0.06	12720	100.00

H11103_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13523	89.90	13523	89.90
1	1298	8.63	14821	98.53
2	210	1.40	15031	99.93
3	11	0.07	15042	100.00

H11103_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13325	89.82	13325	89.82
1	1261	8.50	14586	98.32
2	211	1.42	14797	99.74
3	21	0.14	14818	99.89
4	10	0.07	14828	99.95
6	7	0.05	14835	100.00

H11103_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19368	89.92	19368	89.92
1	1791	8.31	21159	98.23
2	367	1.70	21526	99.94
4	14	0.06	21540	100.00

H11103_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19340	89.53	19340	89.53
1	1838	8.51	21178	98.04
2	415	1.92	21593	99.96
4	5	0.02	21598	99.98
6	4	0.02	21602	100.00

H11103_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	23823	89.61	23823	89.61
1	2433	9.15	26256	98.76
2	309	1.16	26565	99.92
3	8	0.03	26573	99.95
4	13	0.05	26586	100.00

H11103_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	21149	90.25	21149	90.25
1	2039	8.70	23188	98.95
2	217	0.93	23405	99.87
3	22	0.09	23427	99.97
4	8	0.03	23435	100.00

H11103_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20510	90.92	20510	90.92
1	1866	8.27	22376	99.19
2	183	0.81	22559	100.00

H11103_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20044	90.68	20044	90.68
1	1872	8.47	21916	99.14
2	189	0.86	22105	100.00

Number of household members age 2-4

H11104_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11489	83.37	11489	83.37
1	1678	12.18	13167	95.55
2	542	3.93	13709	99.48
3	21	0.15	13730	99.64
4	50	0.36	13780	100.00

H11104_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10958	83.32	10958	83.32
1	1561	11.87	12519	95.19
2	560	4.26	13079	99.45
3	20	0.15	13099	99.60
4	52	0.40	13151	100.00

H11104_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10987	83.84	10987	83.84
1	1415	10.80	12402	94.64
2	642	4.90	13044	99.54
3	28	0.21	13072	99.76
4	32	0.24	13104	100.00

H11104_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10909	84.89	10909	84.89
1	1316	10.24	12225	95.13
2	572	4.45	12797	99.58
3	14	0.11	12811	99.69
4	33	0.26	12844	99.95
6	7	0.05	12851	100.00

H11104_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10709	85.34	10709	85.34
1	1358	10.82	12067	96.16
2	407	3.24	12474	99.40
3	42	0.33	12516	99.74
4	33	0.26	12549	100.00

H11104_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10909	85.76	10909	85.76
1	1371	10.78	12280	96.54
2	392	3.08	12672	99.62
3	28	0.22	12700	99.84
4	20	0.16	12720	100.00

H11104_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12795	85.06	12795	85.06
1	1806	12.01	14601	97.07
2	406	2.70	15007	99.77
3	19	0.13	15026	99.89
4	16	0.11	15042	100.00

H11104_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12661	85.35	12661	85.35
1	1736	11.70	14397	97.05
2	413	2.78	14810	99.83
3	15	0.10	14825	99.93
4	10	0.07	14835	100.00

H11104_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18430	85.56	18430	85.56
1	2521	11.70	20951	97.27
2	536	2.49	21487	99.75
3	42	0.19	21529	99.95
4	11	0.05	21540	100.00

H11104_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18458	85.45	18458	85.45
1	2553	11.82	21011	97.26
2	558	2.58	21569	99.85
3	11	0.05	21580	99.90
4	22	0.10	21602	100.00

H11104_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22640	85.16	22640	85.16
1	3229	12.15	25869	97.30
2	670	2.52	26539	99.82
3	18	0.07	26557	99.89
4	25	0.09	26582	99.98
6	4	0.02	26586	100.00

H11104_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20047	85.54	20047	85.54
1	2730	11.65	22777	97.19
2	623	2.66	23400	99.85
3	17	0.07	23417	99.92
4	8	0.03	23425	99.96
6	10	0.04	23435	100.00

H11104_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19394	85.97	19394	85.97
1	2627	11.65	22021	97.62
2	508	2.25	22529	99.87
3	23	0.10	22552	99.97
4	3	0.01	22555	99.98
6	4	0.02	22559	100.00

H11104_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19066	86.25	19066	86.25
1	2623	11.87	21689	98.12
2	388	1.76	22077	99.87
3	28	0.13	22105	100.00

Number of household members age 5-7

H11105_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11672	84.70	11672	84.70
1	1258	9.13	12930	93.83
2	704	5.11	13634	98.94
3	71	0.52	13705	99.46
4	68	0.49	13773	99.95
5	7	0.05	13780	100.00

H11105_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11054	84.05	11054	84.05
1	1381	10.50	12435	94.56
2	583	4.43	13018	98.99
3	79	0.60	13097	99.59
4	43	0.33	13140	99.92
5	6	0.05	13146	99.96
6	5	0.04	13151	100.00

H11105_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11031	84.18	11031	84.18
1	1409	10.75	12440	94.93
2	573	4.37	13013	99.31
3	30	0.23	13043	99.53
4	56	0.43	13099	99.96
6	5	0.04	13104	100.00

H11105_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10745	83.61	10745	83.61
1	1483	11.54	12228	95.15
2	564	4.39	12792	99.54
3	22	0.17	12814	99.71
4	37	0.29	12851	100.00

H11105_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10510	83.75	10510	83.75
1	1457	11.61	11967	95.36
2	515	4.10	12482	99.47
3	16	0.13	12498	99.59
4	51	0.41	12549	100.00

H11105_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10528	82.77	10528	82.77
1	1526	12.00	12054	94.76
2	609	4.79	12663	99.55
3	31	0.24	12694	99.80
4	26	0.20	12720	100.00

H11105_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12559	83.49	12559	83.49
1	1747	11.61	14306	95.11
2	671	4.46	14977	99.57
3	32	0.21	15009	99.78
4	33	0.22	15042	100.00

H11105_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12374	83.41	12374	83.41
1	1854	12.50	14228	95.91
2	523	3.53	14751	99.43
3	50	0.34	14801	99.77
4	24	0.16	14825	99.93
6	10	0.07	14835	100.00

H11105_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18269	84.81	18269	84.81
1	2600	12.07	20869	96.88
2	636	2.95	21505	99.84
3	23	0.11	21528	99.94
4	12	0.06	21540	100.00

H11105_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18199	84.25	18199	84.25
1	2777	12.86	20976	97.10
2	572	2.65	21548	99.75
3	26	0.12	21574	99.87
4	28	0.13	21602	100.00

H11105_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22372	84.15	22372	84.15
1	3469	13.05	25841	97.20
2	687	2.58	26528	99.78
3	38	0.14	26566	99.92
4	20	0.08	26586	100.00

H11105_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19681	83.98	19681	83.98
1	3057	13.04	22738	97.03
2	646	2.76	23384	99.78
3	39	0.17	23423	99.95
4	12	0.05	23435	100.00

H11105_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18938	83.95	18938	83.95
1	2991	13.26	21929	97.21
2	586	2.60	22515	99.80
3	18	0.08	22533	99.88
4	26	0.12	22559	100.00

H11105_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18666	84.44	18666	84.44
1	2839	12.84	21505	97.29
2	559	2.53	22064	99.81
3	24	0.11	22088	99.92
4	10	0.05	22098	99.97
6	7	0.03	22105	100.00

Number of household members age 8-10

H11106_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11650	84.54	11650	84.54
1	842	6.11	12492	90.65
2	1083	7.86	13575	98.51
3	94	0.68	13669	99.19
4	111	0.81	13780	100.00

H11106_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11098	84.39	11098	84.39
1	897	6.82	11995	91.21
2	952	7.24	12947	98.45
3	115	0.87	13062	99.32
4	89	0.68	13151	100.00

H11106_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11028	84.16	11028	84.16
1	1036	7.91	12064	92.06
2	816	6.23	12880	98.29
3	99	0.76	12979	99.05
4	125	0.95	13104	100.00

H11106_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10908	84.88	10908	84.88
1	1133	8.82	12041	93.70
2	673	5.24	12714	98.93
3	70	0.54	12784	99.48
4	67	0.52	12851	100.00

H11106_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10568	84.21	10568	84.21
1	1320	10.52	11888	94.73
2	562	4.48	12450	99.21
3	67	0.53	12517	99.74
4	21	0.17	12538	99.91
5	6	0.05	12544	99.96
6	5	0.04	12549	100.00

H11106_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10691	84.05	10691	84.05
1	1376	10.82	12067	94.87
2	559	4.39	12626	99.26
3	52	0.41	12678	99.67
4	37	0.29	12715	99.96
6	5	0.04	12720	100.00

H11106_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12412	82.52	12412	82.52
1	1903	12.65	14315	95.17
2	653	4.34	14968	99.51
3	35	0.23	15003	99.74
4	39	0.26	15042	100.00

H11106_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12206	82.28	12206	82.28
1	1938	13.06	14144	95.34
2	631	4.25	14775	99.60
3	24	0.16	14799	99.76
4	36	0.24	14835	100.00

H11106_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	17713	82.23	17713	82.23
1	2897	13.45	20610	95.68
2	846	3.93	21456	99.61
3	48	0.22	21504	99.83
4	36	0.17	21540	100.00

H11106_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	17956	83.12	17956	83.12
1	2791	12.92	20747	96.04
2	798	3.69	21545	99.74
3	19	0.09	21564	99.82
4	38	0.18	21602	100.00

H11106_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22008	82.78	22008	82.78
1	3657	13.76	25665	96.54
2	840	3.16	26505	99.70
3	55	0.21	26560	99.90
4	26	0.10	26586	100.00

H11106_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19631	83.77	19631	83.77
1	3005	12.82	22636	96.59
2	768	3.28	23404	99.87
3	20	0.09	23424	99.95
4	11	0.05	23435	100.00

H11106_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18820	83.43	18820	83.43
1	3129	13.87	21949	97.30
2	579	2.57	22528	99.86
3	24	0.11	22552	99.97
4	7	0.03	22559	100.00

H11106_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18602	84.15	18602	84.15
1	2950	13.35	21552	97.50
2	524	2.37	22076	99.87
3	20	0.09	22096	99.96
4	9	0.04	22105	100.00

Number of household members age 11-12

H11107_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12155	88.21	12155	88.21
1	651	4.72	12806	92.93
2	920	6.68	13726	99.61
3	36	0.26	13762	99.87
4	13	0.09	13775	99.96
5	5	0.04	13780	100.00

H11107_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11638	88.50	11638	88.50
1	575	4.37	12213	92.87
2	868	6.60	13081	99.47
3	40	0.30	13121	99.77
4	30	0.23	13151	100.00

H11107_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11699	89.28	11699	89.28
1	569	4.34	12268	93.62
2	759	5.79	13027	99.41
3	35	0.27	13062	99.68
4	42	0.32	13104	100.00

H11107_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11494	89.44	11494	89.44
1	538	4.19	12032	93.63
2	738	5.74	12770	99.37
3	48	0.37	12818	99.74
4	33	0.26	12851	100.00

H11107_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11187	89.15	11187	89.15
1	638	5.08	11825	94.23
2	665	5.30	12490	99.53
3	41	0.33	12531	99.86
4	18	0.14	12549	100.00

H11107_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11352	89.25	11352	89.25
1	806	6.34	12158	95.58
2	524	4.12	12682	99.70
3	12	0.09	12694	99.80
4	26	0.20	12720	100.00

H11107_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13286	88.33	13286	88.33
1	1285	8.54	14571	96.87
2	431	2.87	15002	99.73
3	26	0.17	15028	99.91
4	14	0.09	15042	100.00

H11107_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13050	87.97	13050	87.97
1	1385	9.34	14435	97.30
2	368	2.48	14803	99.78
3	20	0.13	14823	99.92
4	7	0.05	14830	99.97
6	5	0.03	14835	100.00

H11107_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18913	87.80	18913	87.80
1	2104	9.77	21017	97.57
2	507	2.35	21524	99.93
4	16	0.07	21540	100.00

H11107_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18885	87.42	18885	87.42
1	2293	10.61	21178	98.04
2	405	1.87	21583	99.91
3	15	0.07	21598	99.98
4	4	0.02	21602	100.00

H11107_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	23160	87.11	23160	87.11
1	3033	11.41	26193	98.52
2	382	1.44	26575	99.96
3	11	0.04	26586	100.00

H11107_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20555	87.71	20555	87.71
1	2416	10.31	22971	98.02
2	453	1.93	23424	99.95
3	4	0.02	23428	99.97
4	7	0.03	23435	100.00

H11107_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19756	87.57	19756	87.57
1	2430	10.77	22186	98.35
2	360	1.60	22546	99.94
3	4	0.02	22550	99.96
4	9	0.04	22559	100.00

H11107_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19455	88.01	19455	88.01
1	2307	10.44	21762	98.45
2	329	1.49	22091	99.94
3	7	0.03	22098	99.97
4	7	0.03	22105	100.00

Number of household members age 13-15

H11108_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11729	85.12	11729	85.12
1	543	3.94	12272	89.06
2	1290	9.36	13562	98.42
3	43	0.31	13605	98.73
4	175	1.27	13780	100.00

H11108_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11239	85.46	11239	85.46
1	504	3.83	11743	89.29
2	1179	8.97	12922	98.26
3	76	0.58	12998	98.84
4	153	1.16	13151	100.00

H11108_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	11165	85.20	11165	85.20
1	578	4.41	11743	89.61
2	1106	8.44	12849	98.05
3	73	0.56	12922	98.61
4	171	1.30	13093	99.92
5	11	0.08	13104	100.00

H11108_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10867	84.56	10867	84.56
1	640	4.98	11507	89.54
2	1132	8.81	12639	98.35
3	110	0.86	12749	99.21
4	97	0.75	12846	99.96
5	5	0.04	12851	100.00

H11108_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10720	85.43	10720	85.43
1	547	4.36	11267	89.78
2	1058	8.43	12325	98.21
3	80	0.64	12405	98.85
4	144	1.15	12549	100.00

H11108_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	10941	86.01	10941	86.01
1	596	4.69	11537	90.70
2	991	7.79	12528	98.49
3	82	0.64	12610	99.14
4	110	0.86	12720	100.00

H11108_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12886	85.67	12886	85.67
1	983	6.54	13869	92.20
2	951	6.32	14820	98.52
3	133	0.88	14953	99.41
4	89	0.59	15042	100.00

H11108_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12554	84.62	12554	84.62
1	1185	7.99	13739	92.61
2	871	5.87	14610	98.48
3	132	0.89	14742	99.37
4	93	0.63	14835	100.00

H11108_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18226	84.61	18226	84.61
1	1969	9.14	20195	93.76
2	1128	5.24	21323	98.99
3	148	0.69	21471	99.68
4	69	0.32	21540	100.00

H11108_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18099	83.78	18099	83.78
1	2336	10.81	20435	94.60
2	976	4.52	21411	99.12
3	136	0.63	21547	99.75
4	39	0.18	21586	99.93
5	11	0.05	21597	99.98
6	5	0.02	21602	100.00

H11108_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22003	82.76	22003	82.76
1	3438	12.93	25441	95.69
2	959	3.61	26400	99.30
3	129	0.49	26529	99.79
4	52	0.20	26581	99.98
6	5	0.02	26586	100.00

H11108_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	19455	83.02	19455	83.02
1	3039	12.97	22494	95.98
2	839	3.58	23333	99.56
3	60	0.26	23393	99.82
4	42	0.18	23435	100.00

H11108_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18765	83.18	18765	83.18
1	2913	12.91	21678	96.09
2	838	3.71	22516	99.81
3	18	0.08	22534	99.89
4	25	0.11	22559	100.00

H11108_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	18289	82.74	18289	82.74
1	2976	13.46	21265	96.20
2	770	3.48	22035	99.68
3	44	0.20	22079	99.88
4	26	0.12	22105	100.00

Number of household members age 16-18

H11109_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13697	99.40	13697	99.40
1	18	0.13	13715	99.53
2	65	0.47	13780	100.00

H11109_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	13042	99.17	13042	99.17
1	23	0.17	13065	99.35
2	86	0.65	13151	100.00

H11109_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12672	96.70	12672	96.70
1	90	0.69	12762	97.39
2	326	2.49	13088	99.88
4	16	0.12	13104	100.00

H11109_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12512	97.36	12512	97.36
1	90	0.70	12602	98.06
2	236	1.84	12838	99.90
4	13	0.10	12851	100.00

H11109_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12146	96.79	12146	96.79
1	138	1.10	12284	97.89
2	256	2.04	12540	99.93
3	5	0.04	12545	99.97
4	4	0.03	12549	100.00

H11109_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	12347	97.07	12347	97.07
1	96	0.75	12443	97.82
2	263	2.07	12706	99.89
3	9	0.07	12715	99.96
4	5	0.04	12720	100.00

H11109_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	14642	97.34	14642	97.34
1	124	0.82	14766	98.17
2	253	1.68	15019	99.85
3	10	0.07	15029	99.91
4	13	0.09	15042	100.00

H11109_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	14510	97.81	14510	97.81
1	173	1.17	14683	98.98
2	152	1.02	14835	100.00

H11109_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20743	96.30	20743	96.30
1	366	1.70	21109	98.00
2	405	1.88	21514	99.88
3	9	0.04	21523	99.92
4	17	0.08	21540	100.00

H11109_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	20988	97.16	20988	97.16
1	373	1.73	21361	98.88
2	237	1.10	21598	99.98
4	4	0.02	21602	100.00

H11109_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	25413	95.59	25413	95.59
1	757	2.85	26170	98.44
2	381	1.43	26551	99.87
3	15	0.06	26566	99.92
4	20	0.08	26586	100.00

H11109_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	22386	95.52	22386	95.52
1	743	3.17	23129	98.69
2	270	1.15	23399	99.85
3	29	0.12	23428	99.97
4	7	0.03	23435	100.00

H11109_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	21636	95.91	21636	95.91
1	749	3.32	22385	99.23
2	156	0.69	22541	99.92
3	18	0.08	22559	100.00

H11109_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	21216	95.98	21216	95.98
1	792	3.58	22008	99.56
2	97	0.44	22105	100.00

Number hh members 19+ or 16-18 & ind

H11110_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1930	14.01	1930	14.01
2	5592	40.58	7522	54.59
3	2814	20.42	10336	75.01
4	1721	12.49	12057	87.50
5	727	5.28	12784	92.77
6	501	3.64	13285	96.41
7	269	1.95	13554	98.36
8	153	1.11	13707	99.47
9	42	0.30	13749	99.78
10	6	0.04	13755	99.82
11	6	0.04	13761	99.86
12	12	0.09	13773	99.95
13	7	0.05	13780	100.00

H11110_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1714	13.03	1714	13.03
2	5194	39.50	6908	52.53
3	2736	20.80	9644	73.33
4	1748	13.29	11392	86.62
5	710	5.40	12102	92.02
6	504	3.83	12606	95.86
7	250	1.90	12856	97.76
8	181	1.38	13037	99.13
9	53	0.40	13090	99.54
10	33	0.25	13123	99.79
11	22	0.17	13145	99.95
12	6	0.05	13151	100.00

H11110_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1712	13.06	1712	13.06
2	5191	39.61	6903	52.68
3	2760	21.06	9663	73.74
4	1817	13.87	11480	87.61
5	659	5.03	12139	92.64
6	466	3.56	12605	96.19
7	234	1.79	12839	97.98
8	138	1.05	12977	99.03
9	46	0.35	13023	99.38
10	52	0.40	13075	99.78
11	22	0.17	13097	99.95
12	7	0.05	13104	100.00

H11110_1994	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1627	12.66	1627	12.66
2	4964	38.63	6591	51.29
3	2743	21.34	9334	72.63
4	1854	14.43	11188	87.06
5	654	5.09	11842	92.15
6	542	4.22	12384	96.37
7	223	1.74	12607	98.10
8	122	0.95	12729	99.05
9	46	0.36	12775	99.41
10	47	0.37	12822	99.77
11	21	0.16	12843	99.94
16	8	0.06	12851	100.00

H11110_1995	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1564	12.46	1564	12.46
2	4899	39.04	6463	51.50
3	2699	21.51	9162	73.01
4	1810	14.42	10972	87.43
5	595	4.74	11567	92.17
6	505	4.02	12072	96.20
7	230	1.83	12302	98.03
8	119	0.95	12421	98.98
9	42	0.33	12463	99.31
10	39	0.31	12502	99.63
11	8	0.06	12510	99.69
12	6	0.05	12516	99.74
13	17	0.14	12533	99.87
14	16	0.13	12549	100.00

H11110_1996	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1484	11.67	1484	11.67
2	4928	38.74	6412	50.41
3	2764	21.73	9176	72.14
4	1759	13.83	10935	85.97
5	722	5.68	11657	91.64
6	554	4.36	12211	96.00
7	238	1.87	12449	97.87
8	120	0.94	12569	98.81
9	68	0.53	12637	99.35
10	62	0.49	12699	99.83
11	8	0.06	12707	99.90
12	6	0.05	12713	99.94
14	7	0.06	12720	100.00

H11110_1997	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2079	13.82	2079	13.82
2	6029	40.08	8108	53.90
3	3122	20.76	11230	74.66
4	1959	13.02	13189	87.68
5	814	5.41	14003	93.09
6	566	3.76	14569	96.86
7	260	1.73	14829	98.58
8	119	0.79	14948	99.38
9	51	0.34	14999	99.71
10	21	0.14	15020	99.85
11	7	0.05	15027	99.90
12	15	0.10	15042	100.00

H11110_1998	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1942	13.09	1942	13.09
2	5925	39.94	7867	53.03
3	3267	22.02	11134	75.05
4	1941	13.08	13075	88.14
5	773	5.21	13848	93.35
6	595	4.01	14443	97.36
7	203	1.37	14646	98.73
8	104	0.70	14750	99.43
9	54	0.36	14804	99.79
10	10	0.07	14814	99.86
12	21	0.14	14835	100.00

H11110_1999	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	3210	14.90	3210	14.90
2	9312	43.23	12522	58.13
3	4299	19.96	16821	78.09
4	2501	11.61	19322	89.70
5	1076	5.00	20398	94.70
6	661	3.07	21059	97.77
7	269	1.25	21328	99.02
8	50	0.23	21378	99.25
9	94	0.44	21472	99.68
10	20	0.09	21492	99.78
11	13	0.06	21505	99.84
12	13	0.06	21518	99.90
13	15	0.07	21533	99.97
14	7	0.03	21540	100.00

H11110_2000	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	3064	14.18	3064	14.18
2	9308	43.09	12372	57.27
3	4554	21.08	16926	78.35
4	2418	11.19	19344	89.55
5	1166	5.40	20510	94.94
6	582	2.69	21092	97.64
7	264	1.22	21356	98.86
8	92	0.43	21448	99.29
9	68	0.31	21516	99.60
10	18	0.08	21534	99.69
11	30	0.14	21564	99.82
12	19	0.09	21583	99.91
13	11	0.05	21594	99.96
16	8	0.04	21602	100.00

H11110_2001	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	3827	14.39	3827	14.39
2	11859	44.61	15686	59.00
3	5543	20.85	21229	79.85
4	2857	10.75	24086	90.60
5	1228	4.62	25314	95.22
6	686	2.58	26000	97.80
7	252	0.95	26252	98.74
8	192	0.72	26444	99.47
9	60	0.23	26504	99.69
10	31	0.12	26535	99.81
11	6	0.02	26541	99.83
12	20	0.08	26561	99.91
13	25	0.09	26586	100.00

H11110_2002	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	2	0.01	2	0.01
1	3164	13.50	3166	13.51
2	10289	43.90	13455	57.41
3	5205	22.21	18660	79.62
4	2518	10.74	21178	90.37
5	1095	4.67	22273	95.04
6	704	3.00	22977	98.05
7	208	0.89	23185	98.93
8	138	0.59	23323	99.52
9	55	0.23	23378	99.76
10	39	0.17	23417	99.92
11	7	0.03	23424	99.95
13	11	0.05	23435	100.00

H11110_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2924	12.96	2924	12.96
2	9938	44.05	12862	57.01
3	5397	23.92	18259	80.94
4	2405	10.66	20664	91.60
5	1051	4.66	21715	96.26
6	581	2.58	22296	98.83
7	138	0.61	22434	99.45
8	45	0.20	22479	99.65
9	30	0.13	22509	99.78
10	5	0.02	22514	99.80
11	20	0.09	22534	99.89
12	6	0.03	22540	99.92
13	12	0.05	22552	99.97
14	7	0.03	22559	100.00

H11110_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2717	12.29	2717	12.29
2	9819	44.42	12536	56.71
3	5800	26.24	18336	82.95
4	2332	10.55	20668	93.50
5	921	4.17	21589	97.67
6	309	1.40	21898	99.06
7	132	0.60	22030	99.66
8	38	0.17	22068	99.83
9	17	0.08	22085	99.91
11	7	0.03	22092	99.94
15	13	0.06	22105	100.00

Comparable Variables BHPS

Variable Names Indicator - Wife/spouse is in HH

Variable Label H11112LL

Survey/Created C

Reliability 1

Unit of Observation H

Description These variables indicate the presence of a A wife or spouse in the household.

Method

These variables are simple indicator variables that a person who is Awife/spouse@ is present in a given year.

Format: .M (-2) = Item non-response
 .S (-3) = Survey non-response
 0 = Not present
 1 = Present

The original survey variables provided below can be found in the WINDRESP files. This algorithm omits individuals with survey non-responses.

Unweighted Statistics

1991-2004 algorithm: (XX=91-04, w=a-n)

```
*Create indicator for wife/spouse present;
if X11103XX=1 then do;
  H11112XX=0;
  if WHGR2R in (2,3) then H11112XX=1;
end;
```

Indicator-wife in HH

H11112_1991	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not present	0	3238	23.50	3238	23.50
Present	1	10542	76.50	13780	100.00

H11112_1992	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not present	0	3213	24.43	3213	24.43
Present	1	9938	75.57	13151	100.00

H11112_1993	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not present	0	3221	24.58	3221	24.58
Present	1	9883	75.42	13104	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1994					
Not present	0	3173	24.69	3173	24.69
Present	1	9678	75.31	12851	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1995					
Not present	0	3038	24.21	3038	24.21
Present	1	9511	75.79	12549	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1996					
Not present	0	3093	24.32	3093	24.32
Present	1	9627	75.68	12720	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1997					
Not present	0	3912	26.01	3912	26.01
Present	1	11130	73.99	15042	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1998					
Not present	0	3713	25.03	3713	25.03
Present	1	11122	74.97	14835	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_1999					
Not present	0	5628	26.13	5628	26.13
Present	1	15912	73.87	21540	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_2000					
Not present	0	5608	25.96	5608	25.96
Present	1	15994	74.04	21602	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_2001					
Not present	0	6791	25.54	6791	25.54
Present	1	19795	74.46	26586	100.00

		Frequency	Percent	Cumulative Frequency	Cumulative Percent
H11112_2002					
Not present	0	5865	25.03	5865	25.03
Present	1	17570	74.97	23435	100.00

H11112_2003	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not present	0	5575	24.71	5575	24.71
Present	1	16984	75.29	22559	100.00

H11112_2004	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Not present	0	5430	24.56	5430	24.56
Present	1	16675	75.44	22105	100.00

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