

**1996 Census of
Population and Housing:
Household Sample File

Technical Documentation**

For further information
about the Household
Sample File please
contact The Director,
Population Census
Processing and User
Services on
(02) 6252 7007

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HOUSEHOLD SAMPLE FILE

INTRODUCTION

The 1996 Census Household Sample File (HSF) is a

- 1% sample of private dwellings, with their associated family and person records also selected, and a
- 1% sample of persons from all non-private dwellings together with a record for the non-private dwelling.

The data was collected on census night, 6 August 1996.

All purchases of the 1996 Census HSF are set at the standard price of \$7,500.

CONDITIONS OF SALE

The 1996 Census HSF is released under strict conditions of sale. The Australian Statistician is required to approve each sale of this file.

The HSF is released in accordance with a Ministerial Determination (The Determination Statutory Rules 1983, No. 19, Clause 7) in pursuance of Section 13 of the *Census and Statistics Act, 1905*. As required by the Determination, the HSF has been designed so that the information on the file is not likely to enable the identification of the particular persons to which it relates.

Clause 7 of the Determination requires the purchaser of the file to give an undertaking that in using the data the purchaser will:

- not attempt to identify particular persons or organisations;
- use the information only for statistical purposes;
- not disclose, either directly or indirectly, the information to any other person or organisation; and
- not attempt to match the data with administrative lists of persons or organisations.

Appendix 1, for individuals, and Appendix 2, for organisations, are copies of this undertaking.

Use of data for statistical purposes means use, by persons covered by the Undertaking, to produce information of a statistical nature. Examples of statistical purposes are:

- manipulation of the data to produce means, correlations or other descriptive or summary measures;
- estimation of population characteristics from sample data;
- use of data as input to mathematical models or for other types of analysis; and
- providing graphical or pictorial representations of the characteristics of the population or subsets of the population.

Use of the data for unauthorised purposes may render users liable to severe penalties. Advice about the propriety of any particular intended use of the data is available from the contact officer.

Under no circumstances can data in the form of unit records be made available to persons or organisations other than those covered by the Undertaking, without the written authority of the Australian Statistician.

HOUSEHOLD SAMPLE FILE *continued*

CONDITIONS OF SALE

Copyright on this file is held by the Commonwealth of Australia. Apart from any use as permitted under the *Copyright Act 1968*, no part may be reproduced by any process without express permission from the Australian Bureau of Statistics (ABS). In all cases the ABS must be acknowledged as the source when reproducing or quoting any part of an ABS product.

OUTPUT MEDIA

The HSF is provided in a single format on CD-ROM. This comprises a comma separated values text file (HSF96.csv) and an associated metadata file (HSF96met.csv). Statistical analysis packages can be used to view and tabulate these files.

In addition to the unit record data, the CD-ROM also contains summary information about the Census including electronic copies of the *1996 Census Dictionary* (ABS Cat. no. 2901.0).

The following reference documents are also provided on this ROM:

- Australian Bureau of Statistics Catalogue of Publications (cat1997.mvb and 98catpub.pdf)

To view the pdf file, Acrobat viewer must be installed to your workstation. Double click on 98catpub.pdf to open the file.

- 1996 Census: Directory of Census Statistics (cdirect.mvb)
- 1996 Census: Classifications (class.mvb)
- 1996 Census: Glossary of Census Concepts (gloss.mvb)

To view mvb files, double click on the file mviewer2.exe and then use the File Open dialog box to open the file.

SAMPLING

Sampling error

As this file contains a sample of records, estimates will be subject to sampling error. Information about sampling errors associated with statistics produced from the 1996 HSF including relative standard errors are detailed in Appendix 3.

Weights

For all person, family and dwelling data, where these are private dwellings or within private dwellings, estimates from the HSF are derived by multiplying the number of records on the sample file by 100.

For persons and families within non-private dwellings, estimates from the HSF are derived by multiplying the number of records on the sample file by 100.

For dwelling data, where these dwellings are non-private dwellings, estimates from the HSF are derived by multiplying the number of records on the sample file by 4.07.

For further explanation, refer to Appendix 3.

INQUIRIES

If you have any queries about the HSF, please contact

The Director, Population Census Processing and User Services
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616
Telephone: (02) 6252 7007 or email: census.software@abs.gov.au

GEOGRAPHIC AREAS

Geographic regions are described in Appendix 4. These are Statistical Regions (SRs), or aggregates of SRs, as defined in the ABS publication *Census 1996 Statistical Geography: Volume 1, Australian Standard Geographical Classification (ASGC)*, July 1996 (Cat. no. 1216.0).

To ensure that the information on the file is not likely to enable identification of a person, all regions have been designed so that they have a minimum population of 300,000. For this reason the Australian Capital Territory and the Northern Territory have been aggregated as one region. For all other States the regions shown in Appendix 4, can be aggregated to the State level.

Records have been randomly ordered within a region to further reduce the likelihood of individual identification.

RECORD TYPES

Data from the 1996 Census of Population and Housing are contained in three types of record - dwelling, family and person records. In this file each record is identifiable by the value in the first field on the record. This field, "record type", has three possible values:

- 2 Dwelling record
- 1 Family record
- 0 Person record

RECORD STRUCTURES

The data in the HSF are hierarchically structured in Dwelling, Family and Person record order for all fields. The number of fields and their respective classification categories on the file are limited to those shown in Appendix 5.

The classification structures appearing in Appendix 6 show the codes used to describe the values within each field on the file. Within each record, the data are comma separated and the fields ordered as shown in Appendix 7 for each record type.

DATA FIELDS

The full classification structures for all HSF fields can be found in the *Census Dictionary, 1996* (Cat. no. 2901.0). An electronic version of the dictionary has been included with this file and instructions for access are listed under Output Media. The classifications to be included on the HSF have been collapsed to ensure that confidentiality of the records included on the file is not compromised.

For the 1996 Census, Overseas visitors are separately categorised in standard tabulations (where the table population is 'all persons' and with the exception of the Age, Sex and Marital Status tables). For Overseas visitors, only the variables Age (AGEP), Sex (SEXP) and Registered Marital Status (MSTP) are available. In all other person variables an Overseas visitor category appears in order to separately designate overseas visitors when compiling tables.

APPENDIX 1 HOUSEHOLD SAMPLE FILE UNDERTAKING - INDIVIDUALS

THE UNDERTAKING

UNDERTAKING MADE IN PURSUANCE OF CLAUSE 7 OF THE STATISTICS DETERMINATION UNDER THE *CENSUS AND STATISTICS ACT 1905*

WHEREAS:

- (A) Subsection 13(1) of the *Census and Statistics Act 1905* provides for the Minister, by instrument in writing, to make determinations providing for and in relation to the disclosure, with the approval in writing of the Australian Statistician, of information included in a specified class of information furnished in pursuance of the Act;
- (B) Clause 7 of the Statistics Determination permits the Australian Statistician to approve the release of unidentified individual statistical records where the information is disclosed in a manner which is not likely to enable identification of the particular person or organisation to which it relates, subject to the Statistician being given an appropriate written undertaking as specified in sub-clauses 7(1) and (2) of the Statistics Determination; and
- (C) an undertaking may be given by an individual person as specified in sub-clause 7 (2) of the Statistics Determination.

NOW I,

Full name and position

HEREBY UNDERTAKE that in using the information specified in the Schedule to this undertaking, I will:

- . not attempt to identify particular persons or organisations,
- . use the information only for statistical purposes,
- . not disclose, either directly or indirectly, the information to any other person or organisation, and
- . not attempt to match the information with administrative lists of persons or organisations

In providing this undertaking I understand and accept that Subsection 19(2) of the *Census and Statistics Act 1905* provides that a person who fails to comply with an undertaking is guilty of an indictable offence punishable on conviction by a fine not exceeding \$5,000 or imprisonment for a period not exceeding 2 years, or both.

APPENDIX 1 HOUSEHOLD SAMPLE FILE UNDERTAKING - INDIVIDUALS *cont.*

Dated this day of 19.....

Signature

Witnessed by

Name of witness

Designation of witness

SCHEDULE

1996 CENSUS OF POPULATION AND HOUSING

HOUSEHOLD SAMPLE FILE

A confidentialised unit record file consisting of unidentified individual statistical records containing data on 76,533 Private and Non Private Dwellings, 68,782 Families within Private Dwellings and 178,198 persons in Private and Non Private Dwellings. The records on this file represent a 1% sample of the 1996 Census full unit record database with the level of detail collapsed for some variables to ensure the confidentiality of the data.

The following data are included on the file:

Dwelling variables: Geographic Area of Enumeration, BEDD No of bedrooms in private dwellings, CPAD No of persons temporarily absent from the household, DWTD Dwelling Type, FUFU Furnished/unfurnished, HHTD Household type, HIND Household income (weekly), HLRD01 Housing loan repayment (monthly), LLDD Landlord type, MV1D Household one year mobility indicator, MV5D Household five year mobility indicator, NPDD Type of non private dwelling, RNTD Rent (weekly), STRD Dwelling structure, TEND Tenure type, VEHD Number of motor vehicles.

Family variables: Geographic area of enumeration, CDCAF Count of dependent children < 15 temporarily absent, CDSAF Count of dependent students temporarily absent, CNDAF Count of non-dependent children temporarily absent, CPAF Number of persons temporarily absent from family, FINF Family income, FMTF Family type, FNOF Family number, FRLF Relationship between families, SPLF Location of spouse.

Person variables: Geographic areas of enumeration, ABLP Aboriginal and/or Torres Strait Islander origin, AGEP Age, ALSP Age left school, BFPF Birthplace of mother (female parent), BPLP Birthplace of individual, BPMP Birthplace of father (male parent), CTPP Child type, ENGP Proficiency in English, GNGP Industry sector, HRSP Hours worked, IMPP Imputation flag, INCP Income, LANP Language, LFSP Labour force status, MDCP Social marital status, MSTP Registered marital status, NATP Australian citizenship, QALLP Post-school education qualifications: highest level, QALYP Post-school education qualifications: year completed, REGUCP Region of usual residence Census night, REGU1P Region of usual residence 1 year ago, REGU5P Region of usual residence 5 years ago, RELP Religion, RLHP Relationship in household, RLNP Relationship in non private dwelling, RPIP Family/household reference person indicator, SEXP Sex, STUP Full/part time student, TISP Number of children ever born, TPTP Method of travel to work, TYPP Type of educational institution attending, UAICP Usual address indicator, UAI1P Usual address indicator 1 year ago, UAI5P Usual address indicator 5 years ago, YARP Year of arrival, INDP Industry, OCCP Occupation, QALFP Post-school education qualifications: field of study.

APPENDIX 2 HOUSEHOLD SAMPLE FILE UNDERTAKING - ORGANISATIONS

THE UNDERTAKING

**UNDERTAKING MADE IN PURSUANCE OF CLAUSE 7 OF THE STATISTICS DETERMINATION UNDER THE
CENSUS AND STATISTICS ACT 1905**

WHEREAS:

(A) Subsection 13(1) of the *Census and Statistics Act 1905* provides for the Minister, by instrument in writing, to make determinations providing for and in relation to the disclosure, with the approval in writing of the Australian Statistician, of information included in a specified class of information furnished in pursuance of the Act;

(B) Clause 7 of the Statistics Determination permits the Australian Statistician to approve the release of unidentified individual statistical records where the information is disclosed in a manner which is not likely to enable identification of the particular person or organisation to which it relates, subject to the Statistician being given an appropriate written undertaking as specified in sub-clauses 7(1) and (2) of the Statistics Determination; and

(C) an undertaking may be given by a responsible officer of, the

.....
Name of Department or organisation

NOW I,
Full name and position

in the
Name of Department or organisation

HEREBY UNDERTAKE that the
Name of Department or organisation

APPENDIX 2 HOUSEHOLD SAMPLE FILE UNDERTAKING - ORGANISATIONS *cont.*

in using the information specified in the Schedule to this undertaking, will:

- . not attempt to identify particular persons or organisations,
- . use the information only for statistical purposes,
- . not disclose, either directly or indirectly, the information to any other person or organisation, and
- . not attempt to match the information with administrative lists of persons or organisations

In providing this undertaking I understand and accept on behalf of the

.....

Name of Department or organisation

that Subsection 19(2) of the *Census and Statistics Act 1905* provides that a person who fails to comply with an undertaking is guilty of an indictable offence punishable on conviction by a fine not exceeding \$5,000 or imprisonment for a period not exceeding 2 years, or both.

Dated this day of 19.....

Signature

Witnessed by

Name of witness

Designation of witness

SCHEDULE

1996 CENSUS OF POPULATION AND HOUSING

HOUSEHOLD SAMPLE FILE

A confidentialised unit record file consisting of unidentified individual statistical records containing data on 76,533 Private and Non Private Dwellings, 68,782 Families within Private Dwellings and 178,198 persons in Private and Non Private Dwellings. The records on this file represent a 1% sample of the 1996 Census full unit record database with the level of detail collapsed for some variables to ensure the confidentiality of the data.

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APPENDIX 3 HSF SAMPLING ERROR

ESTIMATION PROCEDURE

1 For all person, family and dwelling data from private dwellings, estimates from the Household Sample File (HSF) are derived by multiplying the number of records on the sample file by one hundred, thereby reflecting the manner in which the file was constructed. For all person and family data from non-private dwellings, estimates from the HSF are also derived by multiplying the number of records on the sample file by one hundred. For all dwelling data from non-private dwellings, estimates from the HSF are derived by multiplying the number of records on the sample file by 4.07. These estimates will not exactly match estimates from the full census file due to the introduced sampling error: the HSF is only one of numerous files that could have been drawn, each of which would result in different although valid estimates. Observed variation between possible files is termed *sampling variability*. This variability needs to be taken into account in interpreting results from the HSF compared to the published Census results. It is not the only error associated with HSF estimates, but it is one for which standard measures exist, and from which intervals of confidence around individual estimates can be constructed. How sampling error is measured and how confidence intervals are used is explained below.

RELIABILITY OF ESTIMATES

2 Since HSF estimates are subject to sampling variability they may differ from estimates that would have been produced if all in-scope persons had been included in the sample. One measure of the likely difference is given by the *standard error* (SE) which indicates the extent to which an estimate might have varied by chance because only a sample of persons was included. There are about 2 chances in 3 that a sample estimate will differ by less than one standard error from the estimate that would have been obtained if all persons had been included, and about 19 chances in 20 that the difference will be less than two standard errors. Another measure of sampling variability is the *relative standard error* (RSE) which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard error is a useful measure in that it provides an immediate indication of the percentage errors likely to have occurred due to sampling, and so avoiding the need to refer to the size of the estimate.

3 Imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents; errors made in collection (such as when recording responses); and errors made in processing the data. Inaccuracies of this kind are referred to as *non-sampling error*. They may occur in any enumeration, whether it be a full count or a sample. It is not possible to quantify non-sampling error, but every effort is made to reduce it to a minimum. For the examples on the next page it is assumed to be zero. In practice, the potential for non-sampling error adds to the uncertainty of the estimates caused by sampling variability.

4 Standard errors for all weighted estimates derivable from this file can be calculated using Table A (on page 13). The size of the standard error increases with the level of the estimate, be it an estimate of persons, families or dwellings: the larger the estimate the larger is the standard error. However it should be noted that the larger the sample estimate is the smaller will be the standard error in percentage terms (that is the relative standard error). Thus, larger estimates will be relatively more reliable than smaller estimates.

5 Conversely as the standard errors in Table A also show, the smaller the estimate the higher is the relative standard error. Such high relative standard errors detract seriously from the value of very small estimates for most reasonable uses. This should be borne in mind when interpreting aggregated data produced from the file. It is usual to regard estimates with RSEs above 50% as unreliable in most circumstances. Estimates with RSEs between 25% and 50% should only be used with caution.

CLUSTERING

6 The method of sampling from the Census file influences the reliability of certain estimates differently depending on the degree to which they are derived from variables which exhibit clustering within dwellings, and the extent to which a systematic sample of dwellings may be less reliable than a purely random sample (were that achievable). To estimate standard error account is taken of these effects by partitioning variables into those that simply reflect the systematic selection; and variables which also include effects of the clustering of person records within dwellings. Empirical point tests of SE are compiled for each group of variables, and in each case used to determine a model which best matches the point estimates of variance.

7 The table below divides variables into three: dwelling and family characteristics (A1); unclustered person characteristics (A2); clustered person characteristics (A3). Note that *clustering* takes preference: where a given set of tabular estimates is described using *both* clustered and unclustered variables, eg Birthplace by Age, Table A3 should be consulted; unlike estimates of Age by marital status where A2 is still appropriate. Separate SE and RSE entries apply to each group - see Table A.

Key to Use of Standard Error and Relative Standard Error Tables

| <i>DWELLING AND FAMILY TOPICS (A1)</i> | <i>UNCLUSTERED PERSON TOPICS (A2)</i> | <i>CLUSTERED PERSON TOPICS (A3)</i> |
|---|---------------------------------------|---|
| Dwelling characteristics | Marital status | Birthplace |
| Household characteristics | Age | Australian Citizenship |
| Family characteristics | Sex | Language spoken at home |
| Family Type | Occupation | Full-time/Part-time student |
| Tenure | Industry | Period of Residence in Aust |
| Relationship in nonprivate dwelling | Qualifications | Aboriginal/Islander Origin |
| Household mobility | Region | Religion |
| Count of persons temporarily absent etc | Personal Income | Industry Sector |
| | Number of children ever born | Region of Usual Residence 1 & 5 years ago |
| | Travel to Work | Child type |
| | Employment status | Type of institution attending |

To establish the variability of an estimate, determine the correct Cluster model as follows:

Does the Estimate Specification include a variable from the Dwelling or Family Topic column?

- if Yes, use Column A1
- Otherwise, use either Column A2 or A3

Does the Estimate Specification include a variable from the Clustered Person Topic column above?

- if Yes, use Column A3
- Otherwise, use Column A2

Once the correct cluster model is determined for the estimate, read off the SE (or RSE) which corresponds to the size of the estimate from the corresponding column (A1-A3) in Table A.

CLUSTERING *continued*

To illustrate, consider the estimate of 1,442,500 Australians aged 15–24 who lived in two-person households. From the key, the combination persons living in dwellings by size of household exhibits the Dwelling level of clustering. Referring to columns A1 in Table A and the estimate level on the lefthand column, the estimate of 1,442,500 persons is between 1,250,000 and 1,500,000, and the standard error will be between 8,292 and 9,019. The standard error can be approximated to 8,850. Therefore, there are about two chances in three that the true value (the number that would have been obtained if the whole population had been included in the survey) is within the range 1,433,650 to 1,451,350. There are about 19 chances in 20 that the true value is within the range 1,424,800 to 1,460,200.

STANDARD ERRORS OF RATES AND PERCENTAGES

8 Proportions and percentages formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and denominator. The formula for the relative standard error (RSE) of a proportion or percentage where x and y are similarly clustered is:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}.$$

Where they are not similarly clustered, the minus sign under the root becomes a plus.

9 Considering the example from above, the 1,442,500 Australians represent 21.6% of Australians aged between 15–74 years who lived in 2 person households. The standard error of 1,442,500 is approximately 8,850 so the relative standard error is 0.61%. The relative standard error of 6,674,800 is 0.52% (consulting this time column 2 rather than column 1 because the combination no longer has a dwelling element). Applying the above formula, the relative standard error of the proportion is:

$$\sqrt{[0.61]^2 + [0.52]^2}$$

or 0.80%, giving a standard error for the proportion (21.6%) of 0.17 percentage points. Therefore, there are about two chances in three that the true value (the number that would have been obtained if the whole population had been included in the survey) is within the range 21.43% to 21.77%. There are about 19 chances in 20 that the true value is within the range 21.26% to 21.94%.

10 The standard error of an estimated percentage or rate computed by using sample data for both numerator and denominator, depends on both the size of the numerator and the size of the denominator. However, the relative standard error of the estimated percentage or rate will generally be lower than the relative standard error of the estimate of the numerator.

11 Approximate standard errors of the rates or percentages may be derived by first obtaining the number of persons corresponding to the numerator of the rate or percentage and then applying this figure to the estimated rate or percentage.

12 The difference between two sample file estimates is itself an estimate and is therefore subject to sampling variability. The standard error of the difference of two estimates depends on the standard errors of the original estimates and on the relationship (correlation) between the two original estimates. An approximate standard error (SE) of the difference between two correlated estimates (x-y) may be calculated by the following formula:

$$SE(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}.$$

Where estimates are fully correlated (eg where population defined by x wholly contains y) the plus becomes a minus.

13 While this formula will only be exact for differences between separate and uncorrelated (unrelated) characteristics or sub-populations, it is expected to provide a good approximation for all differences likely to be of interest.

APPENDIX 3 HSF SAMPLING ERROR *continued*

14 Standard errors contained in Table A are designed to provide an average standard error applicable to most person estimates. However the standard errors are not exactly equal for different estimates, and Table A may be quite inaccurate for some unusual estimates.

TABLE A STANDARD ERRORS OF ESTIMATES

| Size of estimate | Dwelling/ Family Estimates (A1) | | Unclustered Person Estimates (A2) | | Clustered Person Estimates (A3) | |
|------------------|---------------------------------|-------------------------|-----------------------------------|-------------------------|---------------------------------|-------------------------|
| | Standard error | Relative standard error | Standard error | Relative standard error | Standard error | Relative standard error |
| | No. | % | No. | % | No. | % |
| 500 | 225.0 | 45.0 | 220.0 | 44.0 | 317.0 | 63.4 |
| 1000 | 310.0 | 31.0 | 313.0 | 31.3 | 447.0 | 44.7 |
| 5000 | 650.0 | 13.0 | 708.0 | 14.2 | 989.0 | 19.8 |
| 10 000 | 895.0 | 9.0 | 1 007.0 | 10.1 | 1 393.0 | 13.9 |
| 20000 | 1 232.0 | 6.2 | 1 432.0 | 7.2 | 1 962.0 | 9.8 |
| 30000 | 1 486.0 | 5.0 | 1 759.0 | 5.9 | 2 397.0 | 8.0 |
| 40000 | 1 696.0 | 4.2 | 2 036.0 | 5.1 | 2 763.0 | 6.9 |
| 50000 | 1 880.0 | 3.8 | 2 281.0 | 4.6 | 3 085.0 | 6.2 |
| 60000 | 2 045.0 | 3.4 | 2 502.0 | 4.2 | 3 376.0 | 5.6 |
| 70000 | 2 196.0 | 3.1 | 2 706.0 | 3.9 | 3 643.0 | 5.2 |
| 80000 | 2 335.0 | 2.9 | 2 896.0 | 3.6 | 3 892.0 | 4.9 |
| 90000 | 2 466.0 | 2.7 | 3 074.0 | 3.4 | 4 125.0 | 4.6 |
| 100000 | 2 588.0 | 2.6 | 3 243.0 | 3.2 | 4 345.0 | 4.3 |
| 120000 | 2 815.0 | 2.3 | 3 558.0 | 3.0 | 4 755.0 | 4.0 |
| 140000 | 3 022.0 | 2.2 | 3 848.0 | 2.7 | 5 131.0 | 3.7 |
| 160000 | 3 214.0 | 2.0 | 4 118.0 | 2.6 | 5 481.0 | 3.4 |
| 180000 | 3 394.0 | 1.9 | 4 372.0 | 2.4 | 5 809.0 | 3.2 |
| 200000 | 3 563.0 | 1.8 | 4 612.0 | 2.3 | 6 119.0 | 3.1 |
| 250000 | 3 949.0 | 1.6 | 5 166.0 | 2.1 | 6 833.0 | 2.7 |
| 300000 | 4 295.0 | 1.4 | 5 667.0 | 1.9 | 7 476.0 | 2.5 |
| 400000 | 4 904.0 | 1.2 | 6 559.0 | 1.6 | 8 618.0 | 2.2 |
| 500000 | 5 435.0 | 1.1 | 7 346.0 | 1.5 | 9 623.0 | 1.9 |
| 750000 | 6 552.0 | 0.9 | 9 027.0 | 1.2 | 11 757.0 | 1.6 |
| 1000000 | 7 482.0 | 0.7 | 10 447.0 | 1.0 | 13 552.0 | 1.4 |
| 1250000 | 8 292.0 | 0.7 | 11 701.0 | 0.9 | 15 131.0 | 1.2 |
| 1500000 | 9 019.0 | 0.6 | 12 837.0 | 0.9 | 16 557.0 | 1.1 |
| 1750000 | 9 684.0 | 0.6 | 13 882.0 | 0.8 | 17 867.0 | 1.0 |
| 2000000 | 10 299.0 | 0.5 | 14 857.0 | 0.7 | 19 086.0 | 1.0 |
| 2500000 | 11 414.0 | 0.5 | 16 640.0 | 0.7 | 21 310.0 | 0.9 |
| 3000000 | 12 415.0 | 0.4 | 18 255.0 | 0.6 | 23 318.0 | 0.8 |
| 3500000 | 13 330.0 | 0.4 | 19 742.0 | 0.6 | 25 163.0 | 0.7 |
| 4000000 | 14 176.0 | 0.4 | 21 127.0 | 0.5 | 26 879.0 | 0.7 |
| 4500000 | 14 967.0 | 0.3 | 22 430.0 | 0.5 | 28 490.0 | 0.6 |
| 5000000 | 15 712.0 | 0.3 | 23 663.0 | 0.5 | 30 012.0 | 0.6 |
| 10000000 | 21 627.0 | 0.2 | 33 651.0 | 0.3 | 42 267.0 | 0.4 |
| 15000000 | 26 072.0 | 0.2 | 41 348.0 | 0.3 | 51 640.0 | 0.3 |

APPENDIX 4 HSF GEOGRAPHIC AREAS

Geographic areas on the Household Sample File are coded from Statistical Regions as described in the Australian Standard Geographical Classification (ASGC). For further information about Statistical Regions, refer to *Statistical Geography: Volume 1– Australian Standard Geographical Classification (ASGC), July 1996* (Cat. no. 1216.0).

| Area code | ASGC Statistical Region code | Name |
|-----------|------------------------------|---|
| 1 | 1104 | Inner Sydney and Eastern Suburbs |
| | 1108 | |
| 2 | 1112 | St George-Sutherland |
| 3 | 1116 | Canterbury-Bankstown and Fairfield-Liverpool |
| | 1120 | |
| 4 | 1124 | Outer South Western Sydney and Outer Western Sydney |
| | 1136 | |
| 5 | 1128 | Inner Western Sydney and Central Western Sydney |
| | 1132 | |
| 6 | 1140 | Blacktown-Baulkham Hills |
| 7 | 1144 | Lower Northern Sydney and Northern Beaches |
| | 1152 | |
| 8 | 1148 | Hornsby-Ku-ring-gai and Gosford-Wyong |
| | 1156 | |
| 9 | 1964 | Hunter |
| 10 | 1968 | Illawarra and South Eastern |
| | 1972 | |
| 11 | 1976 | Richmond-Tweed and Mid-North Coast |
| | 1980 | |
| 12 | 1984 | Northern and Far West-North Western |
| | 1988 | |
| 13 | 1992 | Central West and Murray-Murrumbidgee |
| | 1996 | |
| 14 | 2102 | Outer Western Melbourne |
| 15 | 2106 | North Western Melbourne and Inner Melbourne |
| | 2108 | |
| 16 | 2112 | North Eastern Melbourne |
| 17 | 2116 | Inner Eastern Melbourne |
| 18 | 2120 | Southern Melbourne |
| 19 | 2124 | Outer Eastern Melbourne |
| 20 | 2126 | South Eastern Melbourne and Mornington Peninsula |
| | 2128 | |
| 21 | 2964 | Barwon-Western District |
| 22 | 2968 | Central Highlands-Wimmera and Loddon-Mallee |
| | 2972 | |
| 23 | 2974 | Goulburn-Ovens-Murray and Gippsland |
| | 2976 | |
| 24 | 3104 | Brisbane City Inner Ring |
| 25 | 3108 | Brisbane City Outer Ring |
| 26 | 3112 | South and East BSD Balance |
| 27 | 3116 | North and West BSD Balance |

APPENDIX 4 HSF GEOGRAPHIC AREAS *continued*

| Area code | ASGC Statistical Region code | Name |
|-----------|------------------------------|---|
| 28 | 3964 | Moreton |
| | 3968 | |
| 29 | 3972 | Wide Bay-Burnett and Darling Downs-South West |
| | 3976 | |
| 30 | 3980 | Mackay-Fitzroy-Central West |
| 31 | 3984 | Northern-North West and Far North |
| | 3988 | |
| 32 | 4104 | Northern Adelaide |
| 33 | 4108 | Western and Eastern Adelaide |
| | 4112 | |
| 34 | 4116 | Southern Adelaide |
| 35 | 4964 | Balance SA |
| | 4968 | |
| 36 | 5104 | Central and East Metropolitan |
| | 5108 | |
| 37 | 5112 | North Metropolitan |
| 38 | 5116 | South Metropolitan |
| | 5120 | |
| 39 | 5964 | Balance WA |
| | 5968 | |
| 40 | 6104 | Tasmania |
| 41 | 7104 | Northern Territory and Australian Capital Territory |
| | 8104 | |

APPENDIX 5 HSF FIELDS

Dwelling (a) Record

| Field | No. of categories/ code range | Location on dwelling record |
|---|----------------------------------|-----------------------------|
| Record type | 2 | 1 |
| AREAD Geographic Area of Enumeration | 1- 41 | 5 |
| BEDD No. of bedrooms in private dwellings | 1- 8 | 6 |
| CPAD No. of persons temporarily absent from the household | 1- 5 | 7 |
| DWTD Dwelling Type | 1- 3 | 8 |
| FUFD Furnished/unfurnished | 1- 5 | 9 |
| HHTD Household type | 1- 7 | 10 |
| HIND Household income (weekly) | 1- 19 | 2 |
| HLRD Housing loan repayment (monthly) | 1- 17 | 11 |
| LLDD Landlord type | 1- 9 | 12 |
| MVID Household 1 year mobility indicator | 1- 5 | 3 |
| MV5D Household 5 year mobility indicator | 1- 5 | 4 |
| NPDD Type of non-private dwelling | 1- 4 | 13 |
| RNTD Rent (weekly) | 1- 17 | 14 |
| STRD Dwelling structure | 1- 12 | 15 |
| TEND Tenure type | 1- 8 | 16 |
| VEHD No. of motor vehicles | 1- 7 | 17 |

(a) In non-private dwellings values for all fields except Record type, Geographic area, DWTD and NPDD are set to not applicable.

Family (a) Record

| Field | No. of categories/ code range | Location on family record |
|--|----------------------------------|---------------------------|
| Record Type | 1 | 1 |
| AREAF Geographic area of enumeration | 1- 41 | 2 |
| CDCAF Count of dependent children <15 temporarily absent | 1- 3 | 4 |
| CDSAF Count of dependent students temporarily absent | 1- 3 | 5 |
| CNDAF Count of non-dependent children temporarily absent | 1- 3 | 6 |
| CPAF Number of persons temporarily absent from family | 1- 3 | 7 |
| FINF Family income | 1- 19 | 3 |
| FMTF Family type | 1- 11 | 8 |
| FNOF Family number | 1- 3 | 9 |
| FRLF Relationship between families | 1- 7 | 10 |
| SPLF Location of spouse | 1- 3 | 11 |

(a) All values are set to 'not applicable' for dummy family records in Non-private dwellings.

APPENDIX 5 HSF FIELDS *continued*

| Person Record | No. of categories/ code range | Location on person record |
|--|----------------------------------|---------------------------------|
| Field | | |
| Record Type | 0 | 1 |
| AREAP Geographic area of enumeration | 1- 41 | 2 |
| ABLP Aboriginal and/or Torres Strait Islander origin | 1- 4 | 5 |
| AGEP Age | 1- 38 | 6 |
| ALSP Age left school | 1- 11 | 7 |
| BPFP Birthplace of mother (female parent) | 1- 23 | 8 |
| BPLP Birthplace of individual | 1- 23 | 9 |
| BPMP Birthplace of father (male parent) | 1- 23 | 10 |
| CTPP Child type | 1- 6 (a) | 11 |
| ENGP Proficiency in English | 1- 8 | 12 |
| GNGP Industry sector | 1- 7 | 13 |
| HRSP Hours worked | 1- 11 | 14 |
| IMPP Imputation flag | 1- 20 | 15 |
| INCP Income | 1- 19 | 16 |
| INDP Industry | 1- 58 | 38 |
| LANP Language | 1- 16 | 17 |
| LFSP Labour force status | 1- 10 | 18 |
| MDCP Social marital status | 1- 5 (a) | 3 |
| MSTP registered marital status | 1- 6 (a) | 19 |
| NATP Australian citizenship | 1- 4 | 20 |
| OCCP Occupation | 1- 48 | 39 |
| QALFP Post-school educational qualifications: field of study | 1- 13 | 40 |
| QALLP Post-school educational qualifications: highest level | 1- 11 | 21 |
| QALYP Post-school educational qualifications: year completed | 1- 10 | 22 |
| REGUCP Region of usual residence Census night | 1- 43 | 30 |
| REGU1P Region of usual residence 1 year ago | 1- 46 | 28 |
| REGU5P Region of usual residence 5 years ago | 1- 46 | 29 |
| REL P Religion | 1- 16 | 23 |
| RLHP Relationship in household | 1- 10 (a) | 24 |
| RLNP Relationship in non-private dwelling | 1- 5 (b) | 25 |
| RPIP Family/household reference person indicator | 1- 6 (a) | 26 |
| SEXP Sex | 1- 2 | 27 |
| STUP Full/part-time student | 1- 6 | 31 |
| TISP Number of children ever born | 1- 8 | 32 |
| TPTP Method of travel to work | 1- 15 | 33 |
| TYPP Type of educational institution attending | 1- 11 | 34 |
| UAICP Usual address indicator | 1- 3 | 36 |
| UAI1P Usual address indicator 1 year ago | 1- 6 | 35 |
| UAI5P Usual address indicator 5 years ago | 1- 6 | 4 |
| YARP Year of arrival | 1- 9 | 37 |

(a) Persons enumerated in non-private dwellings are set to not applicable.

(b) Persons enumerated in private dwellings are set to not applicable.

For additional information about applicability of individual fields refer to *Census Dictionary, 1996* (Cat. no. 2901.0).

APPENDIX 6 HSF CLASSIFICATIONS

These classifications are based on the standard classifications used with the 1996 Census. Where classification codes are shown below (eg. Australian and New Zealand Standard Industrial Classification code for INDP variable), these relate to the codes for the full classification which are detailed in the *Census Dictionary, 1996* (Cat. no. 2901.0).

Unless identified as classification codes, the codes shown below are the codes to be used with the data on the HSF.

DWELLING CLASSIFICATIONS

BEDD

Number of Bedrooms in Private Dwelling

- 1 None (includes bedsitters)
- 2 1 bedroom
- 3 2 bedrooms
- 4 3 bedrooms
- 5 4 bedrooms
- 6 5 or more bedrooms
- 7 Not stated
- 8 Not applicable

CPAD

Count of Persons Temporarily Absent from Household

- 1 No person temporarily absent from household
- 2 One person temporarily absent from household
- 3 Two persons temporarily absent from household
- 4 Three persons temporarily absent from household
- 5 Not applicable

DWTD

Dwelling Type

- 1 Occupied private dwelling
- 2 Unoccupied private dwelling
- 3 Non-private dwelling

FUFD

Furnished/Unfurnished (rented dwellings)

- 1 Fully furnished
- 2 Partly furnished
- 3 Unfurnished
- 4 Not stated
- 5 Not applicable

HHTD

Household Type

- 1 One family household
- 2 Two family household
- 3 Lone person household
- 4 Group household
- 5 Visitors only
- 6 Other not classifiable
- 7 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

DWELLING CLASSIFICATIONS *continued*

HIND

Household Income (weekly)

- 1 Negative income
- 2 Nil income
- 3 \$1-\$119
- 4 \$120-\$159
- 5 \$160-\$199
- 6 \$200-\$299
- 7 \$300-\$399
- 8 \$400-\$499
- 9 \$500-\$599
- 10 \$600-\$699
- 11 \$700-\$799
- 12 \$800-\$999
- 13 \$1000-\$1199
- 14 \$1200-\$1499
- 15 \$1500-\$1999
- 16 \$2000 or more
- 17 All incomes not stated
- 18 Partial incomes stated
- 19 Not applicable

HLRD

Housing Loan Repayment (monthly)

- 1 \$0
- 2 \$1-\$199
- 3 \$200-\$399
- 4 \$400-\$499
- 5 \$500-\$599
- 6 \$600-\$699
- 7 \$700-\$799
- 8 \$800-\$899
- 9 \$900-\$999
- 10 \$1000-\$1099
- 11 \$1100-\$1199
- 12 \$1200-\$1299
- 13 \$1300-\$1399
- 14 \$1400-\$1499
- 15 \$1500 and over
- 16 Not stated
- 17 Not applicable

LLDD

Landlord Type

- 1 Private landlord not in same household
- 2 Real estate agent
- 3 State/Territory Housing Authority
- 4 Community or co-operative housing group
- 5 Employer - Government
- 6 Employer - Other
- 7 Other
- 8 Not stated
- 9 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

DWELLING CLASSIFICATIONS *continued*

MV1D

Household One Year Mobility Indicator

- 1 Not applicable
- 2 Not stated
- 3 All residents aged one year and over changed address during last year
- 4 Some residents aged one year and over changed address during last year but all stated address one year ago
- 5 No residents aged one year and over have changed address during the last year

MV5D

Household Five Year Mobility Indicator

- 1 Not applicable
- 2 Not stated
- 3 All residents aged five years and over changed address during the last five years
- 4 Some residents aged five years and over changed address over last five years, but all stated address five years ago
- 5 No residents aged five years and over have changed address over the last five years

NPDD

Type of Non-Private Dwelling

- 1 Hotel, motel, boarding house, private hotel
- 2 Other
- 3 Not stated
- 4 Not applicable

RNTD

Rent (weekly)

- 1 \$0-\$24
- 2 \$25-\$49
- 3 \$50-\$74
- 4 \$75-\$99
- 5 \$100-\$124
- 6 \$125-\$149
- 7 \$150-\$174
- 8 \$175-\$199
- 9 \$200-\$224
- 10 \$225-\$249
- 11 \$250-\$274
- 12 \$275-\$299
- 13 \$300-\$399
- 14 \$400-\$499
- 15 \$500 and over
- 16 Not stated
- 17 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

DWELLING CLASSIFICATIONS *continued*

STRD

Dwelling Structure

- 1 Separate house
- 2 Semi-detached row or terrace, townhouse etc with:
One storey
- 3 Semi-detached row or terrace, townhouse etc with:
Two or more storeys
- 4 Flat, unit or apartment in a 1 or 2 storey block
- 5 Flat, unit or apartment in a 3 storey block
- 6 Flat, unit or apartment in a 4 or more storey block
- 7 Flat, unit or apartment attached to a house
- 8 Caravan, cabin, houseboat
- 9 Improvised home, tent, sleepers out
- 10 House or Flat attached to a shop, office etc
- 11 Not stated
- 12 Not applicable

TEND

Tenure Type

- 1 Fully owned
- 2 Being purchased
- 3 Being purchased rent/buy scheme
- 4 Rented
- 5 Occupied rent free
- 6 Other (included occupied under life tenure scheme)
- 7 Not stated
- 8 Not applicable

VEHD

Number of Motor Vehicles

- 1 None
- 2 1 motor vehicle
- 3 2 motor vehicles
- 4 3 motor vehicles
- 5 4 or more motor vehicles
- 6 Not stated
- 7 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

FAMILY CLASSIFICATIONS

CDCAF

Count of Dependent Children Under 15 Temporarily Absent from Family

- 1 No dependent children under 15 temporarily absent
- 2 One or more dependent children under 15 temporarily absent
- 3 Not applicable

CDSAF

Count of Dependent Students (15-24) Temporarily Absent from Family

- 1 No dependent students (15-24) temporarily absent
- 2 One or more dependent students (15-24) temporarily absent
- 3 Not applicable

CNDAF

Count of Non-dependent Children Temporarily Absent from Family

- 1 No non-dependent children temporarily absent
- 2 One or more non-dependent children temporarily absent
- 3 Not applicable

CPAF

Count of Persons Temporarily Absent from Family

- 1 No person temporarily absent from family
- 2 One or more persons temporarily absent from family
- 3 Not applicable

FINF

Family Income (weekly)

- 1 Negative income
- 2 Nil income
- 3 \$1-\$119
- 4 \$120-\$159
- 5 \$160-\$199
- 6 \$200-\$299
- 7 \$300-\$399
- 8 \$400-\$499
- 9 \$500-\$599
- 10 \$600-\$699
- 11 \$700-\$799
- 12 \$800-\$999
- 13 \$1000-\$1199
- 14 \$1200-\$1499
- 15 \$1500-\$1999
- 16 \$2000 or more
- 17 All incomes not stated
- 18 Partial incomes stated
- 19 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

FAMILY CLASSIFICATIONS *continued*

FMTF

Family Type

- 1 Couple family with children
- 2 Couple family with dependent students (15-24)
- 3 Couple family with children under 15 and dependent students
- 4 Couple family with non-dependent children
- 5 Couple family without children
- 6 One parent family with children under 15
- 7 One parent family with dependent students (15-24)
- 8 One parent family with children under 15 and dependent students
- 9 One parent family with non-dependent children
- 10 Other family
- 11 Not applicable

FNOF

Family Number by Family Type

- 1 Primary family
- 2 Second family
- 3 Not applicable

FRLF

Relationship Between Families

- 1 Mother/father's family
- 2 Son/daughter's family
- 3 Brother/sister's family
- 4 Grandparents/grandchild's family
- 5 Other related family
- 6 Unrelated family
- 7 Not applicable

SPLF

Location of Spouse

- 1 Present
- 2 Temporarily absent
- 3 Not applicable

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS

ABLP

Aboriginal and/or Torres Strait Islander Origin

- 1 Non-Indigenous
- 2 Indigenous
- 3 Not stated
- 4 Overseas visitor

AGEP

Age

- 1 0 years
- 2 1 years
- 3 2 years
- 4 3 years
- 5 4 years
- 6 5 years
- 7 6 years
- 8 7 years
- 9 8 years
- 10 9 years
- 11 10 years
- 12 11 years
- 13 12 years
- 14 13 years
- 15 14 years
- 16 15 years
- 17 16 years
- 18 17 years
- 19 18 years
- 20 19 years
- 21 20 years
- 22 21 years
- 23 22 years
- 24 23 years
- 25 24 years
- 26 25- 29 years
- 27 30- 34 years
- 28 35- 39 years
- 29 40- 44 years
- 30 45- 49 years
- 31 50- 54 years
- 32 55- 59 years
- 33 60- 64 years
- 34 65- 69 years
- 35 70- 74 years
- 36 75- 79 years
- 37 80- 84 years
- 38 85 years and over

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

ALSP

Age Left School

| | |
|----|-----------------------|
| 1 | Still at school |
| 2 | Never attended school |
| 3 | 14 years and under |
| 4 | 15 years |
| 5 | 16 years |
| 6 | 17 years |
| 7 | 18 years |
| 8 | 19 years and over |
| 9 | Not stated |
| 10 | Not applicable |
| 11 | Overseas visitor |

BFPF

Birthplace of Mother

Birthplace of Mother is coded using the full Birthplace classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian Standard Classification of Countries for Social Statistics (ASCCSS).

| <i>HSF code</i> | <i>ASCCSS code</i> | <i>Label</i> |
|-----------------|------------------------|---|
| 1 | 1100 | Australia |
| 2 | 2101 | England |
| 3 | 1301 | New Zealand |
| 4 | 2207 | Italy |
| 5 | 4110 | Viet Nam |
| 6 | 2102 | Scotland |
| 7 | 2205 | Greece |
| 8 | 5101 | China (excl. Taiwan Province) |
| 9 | 2305 | Germany, Federal Republic of |
| 10 | 4107 | Philippines |
| 11 | 22, excl. 2207, 2205 | Other Southern Europe |
| 12 | 41 excl. 4107 | Other Southeast Asia |
| 13 | 20, 24, 25, 26 | Other Europe and the Former USSR |
| 14 | 30, 31, 32 | The Middle East and North Africa |
| 15 | 71, 80, 81, 82, 83 | Northern, Central and South America and the Caribbean |
| 16 | 61.0 | Southern Asia |
| 17 | 51 excl. 5101 | Other Northeast Asia |
| 18 | 23 excl. 2305 | Other Western Europe |
| 19 | 90, 91, 92 | Africa (excl. North Africa) |
| 20 | 21 excl. 2101, 2102 | Other United Kingdom and Ireland |
| 21 | 10, 12, 14, 15, 16, 17 | Other Oceania and Antarctica |
| 22 | &&&&, 0000, 0001, 0002 | Not stated, inadequately described, at sea, n.e.c. |
| 23 | VVVV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

BPLP

Birthplace of Individual

Birthplace of Individual is coded using the full Birthplace classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian Standard Classification of Countries for Social Statistics (ASCCSS).

| <i>HSF code</i> | <i>ASCCSS code</i> | <i>Label</i> |
|-----------------|------------------------|---|
| 1 | 1100 | Australia |
| 2 | 2101 | England |
| 3 | 1301 | New Zealand |
| 4 | 2207 | Italy |
| 5 | 4110 | Viet Nam |
| 6 | 2102 | Scotland |
| 7 | 2205 | Greece |
| 8 | 5101 | China (excl. Taiwan Province) |
| 9 | 2305 | Germany, Federal Republic of |
| 10 | 4107 | Philippines |
| 11 | 22, excl. 2207, 2205 | Other Southern Europe |
| 12 | 41 excl. 4107 | Other Southeast Asia |
| 13 | 20, 24, 25, 26 | Other Europe and the Former USSR |
| 14 | 30, 31, 32 | The Middle East and North Africa |
| 15 | 71, 80, 81, 82, 83 | Northern, Central and South America and the Caribbean |
| 16 | 61 | Southern Asia |
| 17 | 51 excl. 5101 | Other Northeast Asia |
| 18 | 23 excl. 2305 | Other Western Europe |
| 19 | 90, 91, 92 | Africa (excl. North Africa) |
| 20 | 21 excl. 2101, 2102 | Other United Kingdom and Ireland |
| 21 | 10, 12, 14, 15, 16, 17 | Other Oceania and Antarctica |
| 22 | &&&&, 0000, 0001, 0002 | Not stated, inadequately described, at sea, n.e.c. |
| 23 | VVVV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

BPMP

Birthplace of Father

Birthplace of Father is coded using the full Birthplace classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian Standard Classification of Countries for Social Statistics (ASCCSS).

| <i>HSF code</i> | <i>ASCCSS code</i> | <i>Label</i> |
|-----------------|------------------------|---|
| 1 | 1100 | Australia |
| 2 | 2101 | England |
| 3 | 1301 | New Zealand |
| 4 | 2207 | Italy |
| 5 | 4110 | Viet Nam |
| 6 | 2102 | Scotland |
| 7 | 2205 | Greece |
| 8 | 5101 | China (excl. Taiwan Province) |
| 9 | 2305 | Germany, Federal Republic of |
| 10 | 4107 | Philippines |
| 11 | 22, excl. 2207, 2205 | Other Southern Europe |
| 12 | 41 excl. 4107 | Other Southeast Asia |
| 13 | 20, 24, 25, 26 | Other Europe and the Former USSR |
| 14 | 30, 31, 32 | The Middle East and North Africa |
| 15 | 71, 80, 81, 82, 83 | Northern, Central and South America and the Caribbean |
| 16 | 61 | Southern Asia |
| 17 | 51 excl. 5101 | Other Northeast Asia |
| 18 | 23 excl. 2305 | Other Western Europe |
| 19 | 90, 91, 92 | Africa (excl. North Africa) |
| 20 | 21 excl. 2101, 2102 | Other United Kingdom and Ireland |
| 21 | 10, 12, 14, 15, 16, 17 | Other Oceania and Antarctica |
| 22 | &&&&, 0000, 0001, 0002 | Not stated, inadequately described, at sea, n.e.c. |
| 23 | VVVV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

CTPP

Child Type

- 1 Natural or adopted child of both parents or lone parent
- 2 Step-child of male parent
- 3 Step-child of female parent
- 4 Other child (incl. Foster child, so stated, Otherwise related child (under 15) and Unrelated child (under 15))
- 6 Not applicable
- 7 Overseas visitor

ENGP

Proficiency in English

- 1 Very well
- 2 Well
- 3 Not well
- 4 Not at all
- 5 Not stated (language (LANP) stated, proficiency (ENGP) not stated)
- 6 Not stated (both language (LANP) and proficiency (ENGP) not stated)
- 7 Not applicable
- 8 Overseas visitor

GNGP

Industry Sector

- 1 Commonwealth Government
- 2 State or Territory Government
- 3 Local Government (incl. Community Development Employment Program)
- 4 Private sector
- 5 Not stated
- 6 Not applicable
- 7 Overseas visitor

HRSP

Hours Worked

- 1 None
- 2 1- 15 hours
- 3 16- 24 hours
- 4 25- 34 hours
- 5 35- 39 hours
- 6 40 hours
- 7 41- 48 hours
- 8 49 or more hours
- 8 Not stated
- 9 Not applicable
- 10 Overseas visitor

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

IMPP

Imputation Flag

This variable contains indicators which show either Age (AGEP), registered Marital Status (MSTP), Statistical Local Area of Usual Residence Census Night (SLAUCP) or State of Usual Residence Census Night (STEUCP) were imputed.

| <i>IMPP</i> | <i>AGEP</i> | <i>MSTP</i> | <i>STEUCP</i> | <i>SLAUCP</i> |
|-------------|-------------|-------------|---------------|---------------|
| 1 | Stated | Stated | Stated | Stated |
| 2 | Imputed | Imputed | Imputed | Imputed |
| 3 | Stated | Stated | Stated | Imputed |
| 4 | Imputed | Imputed | Imputed | Stated |
| 5 | Stated | Stated | Imputed | Imputed |
| 6 | Imputed | Imputed | Stated | Stated |
| 7 | Stated | Imputed | Imputed | Imputed |
| 8 | Imputed | Stated | Stated | Stated |
| 9 | Stated | Imputed | Imputed | Stated |
| 10 | Imputed | Stated | Stated | Imputed |
| 11 | Stated | Stated | Imputed | Stated |
| 12 | Imputed | Imputed | Stated | Imputed |
| 13 | Stated | Imputed | Stated | Stated |
| 14 | Imputed | Stated | Imputed | Imputed |
| 15 | Stated | Imputed | Stated | Imputed |
| 16 | Imputed | Stated | Imputed | Stated |
| 17 | Stated | Stated | Visitor | Visitor |
| 18 | Imputed | Imputed | Visitor | Visitor |
| 19 | Stated | Imputed | Visitor | Visitor |
| 20 | Imputed | Stated | Visitor | Visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

INDP

Industry

Industry is coded using the full Industry of Employment classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian and New Zealand Standard Industrial Classification (ANZSIC).

| <i>HSF code</i> | <i>ANZSIC code</i> | <i>Label</i> |
|---------------------|------------------------|--|
| 1 | 1 | Agriculture |
| 2 | 02, 03, 04 | Other Agriculture, Forestry and Fishing |
| 3 | A0 | Agriculture, Forestry and Fishing, undefined |
| 4 | B | Mining |
| 5 | B0 | Mining, undefined |
| 6 | 21 | Food, Beverage and Tobacco Manufacturing |
| 7 | 22 | Textile, Clothing, Footwear and Leather Manufacturing |
| 8 | 23 | Wood and Paper Product Manufacturing |
| 9 | 24 | Printing, Publishing and Recorded Media |
| 10 | 25 | Petroleum, Coal, Chemical and Associated Product Manufacturing |
| 11 | 26 | Non-Metallic Mineral Product Manufacturing |
| 12 | 27 | Metal Product Manufacturing |
| 13 | 28 | Machinery and Equipment Manufacturing |
| 14 | 29 | Other Manufacturing |
| 15 | C0 | Manufacturing, undefined |
| 16 | 36, 37 | Electricity, Gas and Water Supply |
| 17 | D0 | Electricity, Gas and Water Supply, undefined |
| 18 | 41 | General Construction |
| 19 | 42 | Construction Trade Services |
| 20 | E0 | Construction, undefined |
| 21 | 45 | Basic Material Wholesaling |
| 22 | 46 | Machinery and Motor Vehicle Wholesaling |
| 23 | 47 | Personal and Household Good Wholesaling |
| 24 | F0 | Wholesale Trade, undefined |
| 25 | 51 | Food Retailing |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

INDP *continued*

| <i>HSF code</i> | <i>ANZSIC code</i> | <i>Label</i> |
|---------------------|------------------------|--|
| 26 | 52 | Personal and Household Good Retailing |
| 27 | 53 | Motor Vehicle Retailing and Services |
| 28 | G0 | Retail Trade, undefined |
| 29 | 57 | Accommodation, Cafes and Restaurants |
| 30 | 61, 66 | Road Transport and Services to Transport |
| 31 | 62-65, 67 | Other Transport and Storage |
| 32 | I0 | Transport and Storage, undefined |
| 33 | 71 | Communication Services |
| 34 | 73 | Finance |
| 35 | 74 | Insurance |
| 36 | 75 | Services to Finance and Insurance |
| 37 | K0 | Finance and Insurance, undefined |
| 38 | 77 | Property Services |
| 39 | 78 | Business Services |
| 40 | L0 | Property, Business Services, undefined |
| 41 | 81 | Government Administration |
| 42 | 82 | Defence |
| 43 | M0 | Government, Administration, Defence, undefined |
| 44 | 84 | Education |
| 45 | 86 | Health Services |
| 46 | 87 | Community Services |
| 47 | O0 | Health, Community Services, undefined |
| 48 | 91 | Motion Picture, Radio and Television Services |
| 49 | 92 | Libraries, Museums and the Arts |
| 50 | 93 | Sport and Recreation |
| 51 | P0 | Cultural, Recreational Services, undefined |
| 52 | 95 | Personal Services |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

INDP *continued*

| <i>HSF code</i> | <i>ANZSIC code</i> | <i>Label</i> |
|---------------------|------------------------|-------------------------------------|
| 53 | 96, 97 | Other Services |
| 54 | Q0 | Personal, Other Services, undefined |
| 55 | 99 | Non-classifiable economic units |
| 56 | && | Not stated |
| 57 | @@ | Not applicable |
| 58 | VV | Overseas visitor |

INCP

Individual Income (weekly)

| | |
|----|------------------|
| 1 | Negative income |
| 2 | Nil income |
| 3 | \$1- \$39 |
| 4 | \$40- \$79 |
| 5 | \$80- \$119 |
| 6 | \$120- \$159 |
| 7 | \$160- \$199 |
| 8 | \$200- \$299 |
| 9 | \$300- \$399 |
| 10 | \$400- \$499 |
| 11 | \$500- \$599 |
| 12 | \$600- \$699 |
| 13 | \$700- \$799 |
| 14 | \$800- \$999 |
| 15 | \$1,000- \$1,499 |
| 16 | \$1,500 or more |
| 17 | Not stated |
| 18 | Not applicable |
| 19 | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

LANP

Language Spoken at Home

This variable identifies languages spoken at home. Language is coded using the full Language Spoken at Home classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0), and is based on the Australian Standard Classification of Languages (ASCL).

| <i>HSF code</i> | <i>ASCL code</i> | <i>Label</i> |
|-----------------|--|--|
| 1 | 1201 | English |
| 2 | 2401 | Italian |
| 3 | 7100– 7106, 7199 | Chinese |
| 4 | 2201 | Greek |
| 5 | 4202 | Arabic (including Lebanese) |
| 6 | 6302 | Vietnamese |
| 7 | 1301 | German |
| 8 | 2303 | Spanish |
| 9 | 30, 31, 32, 33, 34, 35, 36, 39, | Eastern European Languages |
| 10 | 59, 60, 61, 62, 63, 64, 65, 69, 70, 72, 73, 79 | Other Southeast and Eastern Asian Languages |
| 11 | 10, 11, 13, excl. 1301 14, 15, 20, 21, 23, 25, 29, | Other European Languages |
| 12 | 50, 51, 52, | Southern Asian Languages |
| 13 | 40, 41, 42, excl. 4202 43, | Other South West Asian and North African Languages |
| 14 | 80, 81, 82, 83, 84, 85, 86, 87, 90, 91, 92, 93, 94, 95, 96, 97, | Other Languages |
| 15 | &&&&, 0001, 0000 | Not stated, non-verbal, inadequately described |
| 16 | VVVV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

LFSP

Labour Force Status/Status in Employment

- 1 Employee
- 2 Employer
- 3 Own account worker
- 4 Contributing family worker
- 5 Unemployed look full-time work
- 6 Unemployed look part-time work
- 7 Not in the labour force
- 8 Not stated
- 9 Not applicable
- 10 Overseas visitor

MDCP

Social Marital Status

- 1 Married in a registered marriage
- 2 Married in a defacto marriage
- 3 Not married
- 4 Not applicable
- 5 Overseas visitor

MSTP

Registered Marital Status

- 1 Never married
- 2 Widowed
- 3 Divorced
- 4 Separated
- 5 Married
- 6 Not applicable

NATP

Australian Citizenship

- 1 Australian
- 2 Other
- 3 Not stated
- 4 Overseas visitor

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

OCCP

Occupation

Occupation is coded using the full Occupation classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian Standard Classification of Occupations (ASCO) Second Edition.

| <i>HSF code</i> | <i>ASCO code</i> | <i>Label</i> |
|---------------------|----------------------|--|
| 1 | 10 | Managers and Administrators not further defined |
| 2 | 11 | Generalist Managers |
| 3 | 12 | Specialist Managers |
| 4 | 13 | Farmers and Farm Managers |
| 5 | 20 | Professionals not further defined |
| 6 | 21 | Science, Building and Engineering Professionals |
| 7 | 22 | Business and Information Professionals |
| 8 | 23 | Health Professionals |
| 9 | 24 | Education Professionals |
| 10 | 25 | Social, Arts and Miscellaneous Professionals |
| 11 | 30 | Associate Professionals not further defined |
| 12 | 31 | Science, Engineering and Related Associate Professionals |
| 13 | 32 | Business and Administrative Associate Professionals |
| 14 | 33 | Managing Supervisors (Sales and Service) |
| 15 | 34 | Health and Welfare Associate Professionals |
| 16 | 39 | Other Associate Professionals |
| 17 | 40 | Tradespersons and Related Workers not further defined |
| 18 | 41 | Mechanical and Fabrication Engineering Trades |
| 19 | 42 | Automotive Tradespersons |
| 20 | 43 | Electrical and Electronics Trades |
| 21 | 44 | Construction Tradespersons |
| 22 | 45 | Food Tradespersons |
| 23 | 46 | Skilled Agricultural and Horticultural Workers |
| 24 | 49 | Other Tradespersons and Related Workers |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

OCCP *continued*

| <i>HSF code</i> | <i>ASCO code</i> | <i>Label</i> |
|---------------------|----------------------|--|
| 25 | 50 | Advanced Clerical and Service Workers not further defined |
| 26 | 51 | Secretaries and Personal Assistants |
| 27 | 59 | Other Advanced Clerical and Service Workers |
| 28 | 60 | Intermediate Clerical, Sales and Service Workers not further defined |
| 29 | 61 | Intermediate Clerical Workers |
| 30 | 62 | Intermediate Sales and Related Workers |
| 31 | 63 | Intermediate Service Workers |
| 32 | 70 | Intermediate Production and Transport Workers not further defined |
| 33 | 71 | Intermediate Plant Operators |
| 34 | 72 | Intermediate Machine Operators |
| 35 | 73 | Road and Rail Transport Drivers |
| 36 | 79 | Other Intermediate Production and Transport Workers |
| 37 | 80 | Elementary Clerical, Sales and Service Workers not further defined |
| 38 | 81 | Elementary Clerks |
| 39 | 82 | Elementary Sales Workers |
| 40 | 83 | Elementary Service Workers |
| 41 | 90 | Labourers and Related Workers not further defined |
| 42 | 91 | Cleaners |
| 43 | 92 | Factory Labourers |
| 44 | 99 | Other Labourers and Related Workers |
| 45 | 9 | Inadequately described |
| 46 | && | Not stated |
| 47 | @@ | Not applicable |
| 48 | VV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

QALFP

Post-School Educational Qualification: Field of Study

- 1 Business and Administration
- 2 Health
- 3 Education
- 4 Society and Culture
- 5 Natural and Physical Sciences
- 6 Engineering
- 7 Architecture and Building
- 8 Agriculture and Related Fields
- 9 Miscellaneous Fields
- 10 Field of study not stated
- 11 Field of study inadequately described
- 12 Not applicable
- 13 Overseas visitor

QALLP

Post-School Educational Qualification: Level of Attainment

- 1 Higher degree
- 2 Postgraduate diploma
- 3 Bachelor degree
- 4 Undergraduate diploma
- 5 Associate diploma
- 6 Skilled vocational qualification
- 7 Basic vocational qualification
- 8 Level of attainment inadequately described
- 9 Level of attainment not stated
- 10 Not applicable
- 11 Overseas visitor

QALYP

Post-School Educational Qualification: Year Completed

- 1 Before 1971
- 2 1971- 1980
- 3 1981- 1985
- 4 1986- 1990
- 5 1991- 1992
- 6 1993- 1994
- 7 1995- 1996
- 8 Not stated
- 9 Not applicable
- 10 Overseas visitor

REGUCP

Region of Usual Residence on Census Night

These areas are identical to the Geographic areas listed in Appendix 3 with the additions of:

- 42 No usual address
- 43 Overseas visitor

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

REGU1P

Region of Usual Residence 1 Year Ago

These areas are identical to the Geographic areas listed in Appendix 3 with additions of:

- 42 No usual address
- 43 Overseas visitor
- 44 Overseas one year ago but now resident
- 45 Not stated
- 46 Not applicable

REGU5P

Region of Usual Residence 5 Years Ago

These areas are identical to the Geographic areas listed in Appendix 3 with additions of:

- 42 No usual address
- 43 Overseas visitor
- 44 Overseas five years ago but now resident
- 45 Not stated
- 46 Not applicable

REL P

Religion

Religion is coded using the full Religion classification as described in the Census Dictionary, 1996 (Cat. no. 2901.0). The classification is based on the Australian Standard Classification of Religious Groups (ASCRG).

| <i>HSF code</i> | <i>ASCRG code</i> | <i>Label</i> |
|-----------------|--|--|
| 1 | 1011 | Buddhism |
| 2 | 2011 | Anglican |
| 3 | 2031 | Baptist |
| 4 | 2071–2074, 2079 | Catholic |
| 5 | 2171 | Lutheran |
| 6 | 2233 | Greek Orthodox |
| 7 | 2251 | Presbyterian |
| 8 | 2331 | Uniting Church |
| 9 | 2400–2408, 2411–2415, 2499 | Pentecostal |
| 10 | 4011 | Islam |
| 11 | 2230–2239, excl. 2231 | Other Orthodox |
| 12 | 20–23, 28, 29, excl. 2011, 2031, 2071–2074, 2079, 2171, 2233, 2251, 2331 | Other Christian |
| 13 | 30, 50, 60, 61, 62, 69, | Other Religions |
| 14 | 7010–7014 | No Religion |
| 15 | &&&&, 0003, 0002 | Not stated, Inadequately described, Religious belief not further defined |
| 16 | VVVV | Overseas visitor |

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

RLHP

Relationship in Household

- 1 Husband, wife or partner
- 2 Lone parent
- 3 Child under 15
- 4 Dependent student (15-24)
- 5 Non-dependent child
- 6 Other related individual
- 7 Non-family member
- 8 Visitor
- 9 Not applicable
- 10 Overseas visitor

RLNP

Relationship in Non-Private Dwelling

- 1 Owner, proprietor, staff & family
- 2 Guest patient, inmate, other resident
- 3 Not stated
- 4 Not applicable
- 5 Overseas visitor

RPIP

Family/Household Reference Person Indicator

- 1 Primary family reference person
- 2 Second family reference person
- 3 Non-family reference person
- 4 Other person
- 5 Not applicable
- 6 Overseas visitor

SEXP

Sex

- 1 Male
- 2 Female

STUP

Full/Part-Time Student

- 1 Not attending
- 2 Full-time student
- 3 Part-time student
- 4 Not stated (TYPP stated STUP NS)
- 5 Not stated (Both TYPP and STUP)
- 6 Overseas visitor

TISP

Number of Children Ever Born

- 1 None
- 2 One
- 3 Two
- 4 Three
- 5 Four or more
- 6 Not stated
- 7 Not applicable
- 8 Overseas visitor

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

TPTP

Method of Travel to Work

- 1 Train
- 2 Bus
- 3 Ferry/tram
- 4 Taxi
- 5 Car as driver
- 6 Car as passenger
- 7 Motor bike/motor scooter
- 8 Bicycle
- 9 Other
- 10 Walked only
- 11 Worked at home
- 12 Did not go to work
- 13 Not stated
- 14 Not applicable
- 15 Overseas visitor

TYPF

Type of Educational Institution Attending

- 1 Pre-school
- 2 Infants/Primary - Government
- 3 Infants/Primary - Non-Government
- 4 Secondary - Government
- 5 Secondary - Non-Government
- 6 Technical or Further Educational Institution
- 7 University or other Tertiary Institution
- 8 Other
- 9 Not stated
- 10 Not applicable
- 11 Overseas visitor

UAICP

Usual address indicator

- 1 Enumerated at home
- 2 Elsewhere in Australia
- 3 Overseas visitor 1996

UAI1P

Usual address indicator one year ago

- 1 Same as in 1996
- 2 Elsewhere in Australia
- 3 Overseas 1995
- 4 Not stated
- 5 Not applicable
- 6 Overseas visitor 1996

APPENDIX 6 HSF CLASSIFICATIONS *continued*

PERSON CLASSIFICATIONS *continued*

UAI5P

Usual address indicator five years ago

- 1 Same as in 1996
- 2 Elsewhere in Australia
- 3 Overseas 1991
- 4 Not stated
- 5 Not applicable
- 6 Overseas visitor 1996

YARP

Year of Arrival

- 1 Arrived before 1981
- 2 Arrived 1981- 1985
- 3 Arrived 1986- 1990
- 4 Arrived 1991- 1992
- 5 Arrived 1993- 1994
- 6 Arrived 1995- 1996
- 7 Not stated
- 8 Not applicable
- 9 Overseas visitor

APPENDIX 7 HSF RECORD STRUCTURES

RECORD STRUCTURES

Dwelling record structure:

Record Type

HIND Household income (weekly)
MV1D Household 1 year mobility indicator
MV5D Household 5 year mobility indicator
AREAD Geographic Area of Enumeration
BEDD No. of bedrooms in private dwellings
CPAD No. of persons temporarily absent from the household
DWTD Dwelling Type
FUFU Furnished/unfurnished
HHTD Household type
HLRD Housing loan repayment (monthly)
LLDD Landlord type
NPDD Type of non-private dwelling
RNTD Rent (weekly)
STRD Dwelling structure
TEND Tenure type
VEHD No. of motor vehicles

Family record structure:

Record Type

AREAF Geographic area of enumeration
FINF Family income
CDCAF Count of dependent children <15 temporarily absent
CDSAF Count of dependent students temporarily absent
CNDAF Count of non-dependent children temporarily absent
CPAF Number of persons temporarily absent from family
FMTF Family type
FNOF Family number
FRLF Relationship between families
SPLF Location of spouse

Person record structure:

Record Type

AREAP Geographic area of enumeration
MDCP Social marital status
UAI5P Usual address indicator 5 years ago
ABLP Aboriginal and/or Torres Strait Islander origin
AGEP Age
ALSP Age left school
BPPF Birthplace of mother (female parent)
BPLP Birthplace of individual
BPMP Birthplace of father (male parent)
CTPP Child type

APPENDIX 7 HSF RECORD STRUCTURES *continued*

Person record structure *continued*

ENGP Proficiency in English
GNGP Industry sector
HRSP Hours worked
IMPP Imputation flag
INCP Income
LANP Language
LFSP Labour force status
MSTP registered marital status
NATP Australian citizenship
QALLP Post-school educational qualifications: highest level
QALYP Post-school educational qualifications: year completed
RELP Religion
RLHP Relationship in household
RLNP Relationship in non-private dwelling
RPIP Family/household reference person indicator
SEXP Sex
REGU1P Region of usual residence 1 year ago
REGU5P Region of usual residence 5 years ago
REGUCP Region of usual residence Census night
STUP Full/part-time student
TISP Number of children ever born
TPTP Method of travel to work
TYPP Type of educational institution attending
UAI1P Usual address indicator 1 year ago
UAICP Usual address indicator
YARP Year of arrival
INDP Industry
OCCP Occupation
QALFP Post-school educational qualifications: field of study

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