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USER GUIDE 1993-94 HOUSEHOLD EXPENDITURE SURVEY AUSTRALIA

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AUSTRALIAN BUREAU OF STATISTICS

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INTRODUCTION

	The 1993–1994 Household Expenditure Survey (HES) collected detailed information about the expenditure, income and household characteristics of a sample of approximately 8,400 households resident in private dwellings throughout Australia.
	Information was collected during a personal interview and from diaries in which survey participants recorded all their expenditure over a two week period. Interviews were equally spread over the financial year beginning July 1993 and ending June 1994.
	Previous Household Expenditure Surveys were conducted in 1974–75, 1975–76, 1984 and 1988–89.
USES OF HES DATA	Uses of HES results have been many and varied. Examples of these include: updating the weighting pattern of the Consumer Price Index; conducting standard of living studies; evaluating government policy; and market research.
Updating the Consumer Price Index	HES results are used, and the survey is primarily designed, for updating the weighting pattern of the Consumer Price Index, or CPI as it is commonly known. The CPI is a measure of changes over time in the cost of a 'basket' of goods and services representative of household expenditure. It is often used to adjust payments such as social security benefits and allowances, superannuation payments, business contracts and rental agreements. HES results are used to revise the categories of goods and services included in the CPI basket as well as to adjust the relative importance, or weight, given to each.
Standard of living studies	Levels and composition of household expenditure are used to indicate standard of living. For example, households which spend more per person, or spend proportionally less on 'necessities', can be considered to have higher standards of living than other households. HES results have been used in studies which analyse the relative standard of living of different household types such as those on low incomes, pensioner households, sole parent families, rural households and recently arrived migrant households.
Evaluation of government policy	HES results have been used to show how different types of households are affected by government policy. Past studies have evaluated effects on different household types of social security cash pensions and allowances, income tax and indirect taxes such as sales tax.
	Policy changes have also been evaluated using HES data. Examples of areas in which change has been evaluated include first home buyers' assistance and education assistance. Some care is needed in the interpretation of such studies because policy change may result in changes in household behaviour.
Market research	HES results provide information on the characteristics of households associated with expenditure on different goods and services. Researchers have used this information to better target the marketing of products.

USING THIS PUBLICATION Appropriate use and interpretation of HES results relies on a knowledge of what information was collected, how it was collected and how the information was used to produce final estimates. The User Guide covers these topics in the next three sections: Concepts and Definitions; Survey Methodology; and Survey Design and Estimation Procedures. The fourth section, Data Analysis, discusses the use of HES results in selected analyses and the last section, Sources of Further Information, lists HES products and services available from the ABS. A list of 1993–94 HES output items is given in Appendix B.

CONCEPTS AND DEFINITIONS

HOUSEHOLDS

The household is the basic unit of analysis in the HES. It is defined as a group of people who usually reside and eat together. This may be:

- (a) a one-person household, that is, a person who makes provision for his or her own food or other essentials for living without combining with any other person; or
- (b) a multi-person household, that is, a group of two or more persons, living within the same dwelling, who make common provision for food or other essentials for living. The persons in the group may pool their income to a greater or lesser extent; they may be related or unrelated persons or a combination of both.

Households therefore have the following characteristics:

- a household may consist of one or more persons or groups of persons such as families;
- a household resides wholly within one physical dwelling. A group of people who make common provision for food but are living in two separate dwellings are in two separate households;
- lodgers, who receive accommodation only (not meals) are treated as a separate household; and
- boarders, who receive accommodation and meals, are treated as part of the household.

The household is adopted as the basic unit of analysis because it is assumed that sharing of the use of goods and services occurs at this level. If smaller units, say persons, are adopted, then it is difficult to know how to attribute to individual household members the use of shared items such as food, accommodation and household goods.

The use of the household as the basic unit of analysis requires that estimates of expenditure and income are based on the sum of the expenditure and income of all household members. Intra-household transfers, however, are excluded. For example, if one member of the household were to pay another member of the same household for washing his or her car, or one member were to buy a car from another member, then this would not represent an increase in the amount of income received by the household or an increase in the number or value of cars acquired by the household. If such transfers were to be included in household estimates of income and expenditure, then there would be double counting.

EXPENDITURE

The HES produces estimates of average household expenditure on different commodities and services for the 1993-94 financial year.

Measurement of expenditure

Expenditure can be measured according to the following approaches:

- the acquisitions approach, in which the full cost payable by the household of acquiring a good or service within a given period is collected. The full cost is collected regardless of whether the household actually paid for or consumed the good or service within the period;
- the payments approach, in which the payments made by the household within a given period are collected. Payments include payments on outright purchases, deposits and loans for goods and services regardless of whether the goods and services were acquired or consumed during the period;
- the consumption approach, in which an indicator of consumption is collected and a dollar value is derived. Consumption values are collected according to the use of a good or service during the given period regardless of whether the good or service was acquired or paid for during the period.

The 1993–94 HES has primarily adopted an acquisitions approach. This is identical to the payments and consumption approach for many items such as perishable foods, which are acquired, paid for and completely used in the HES recall and reporting periods. For these items, average expenditures of individual households reflect expenditure on acquisitions, payments and consumption.

For other items such as durable items and items purchased on credit which are not fully consumed or paid for during the recall or reporting period, the situation is different. Estimates for individual households will vary according to the approach adopted. For groups of households, however, the estimates will 'average out' so that the estimates for groups of households can be said to be indicative of payments and consumption as well as acquisitions.

For example, the 1993–94 HES collects expenditure on acquisitions of washing machines over 3 months. Say that we have a group of 1,000 households, and on average, 96% of them have washing machines. Of those who have washing machines, on average, over 10 years, they fully consume their machine, acquire a new one and pay \$700 for the machine in five equal instalments of \$140..

Using the acquisitions approach, the number of households expected to report expenditure over a 3 month period is equal to 96% of 1,000 (i.e. 960) households divided by the number of three month periods in 10 years (i.e. 40) which equals 24 households. Each of these households would have spent \$700 so aggregate expenditure would be equal to 24 multiplied by \$700 which equals \$16,800 every 3 months. This is divided by the number of weeks in 3 months (13) and by the number of households in the sample (1,000), to give average household expenditure of \$1.29 per week.

- Using the payments approach, the number of households expected to report expenditure over a 3 month period is equal to 5 times 96% of 1,000 households (since payments are made 5 times by each household) divided by the number of 3 month periods in 10 years which equals 120 households. The payment of each of these households is equal to the total cost of the machine (\$700) divided by the number of payments (5) which equals \$140. Aggregate expenditure is equal to 120 households multiplied by \$140 which equals \$16,800 every 3 months. This is divided by the number of weeks in 3 months (13) and by the number of households in the sample (1,000), to give average household expenditure of \$1.29 per week.
- Using the consumption approach, 96% of 1,000 households would report their ownership in the three month period. The value of consumption is assumed to be equal to the cost of using the washing machine over 3 months (which is equal to \$700 divided by the number of 3 month periods in 10 years, which equals \$17.50). Aggregate expenditure is equal to 960 households multiplied by \$17.50 which equals \$16,800 every 3 months. This is divided by the number of weeks in 3 months (13) and by the number of households in the sample (1,000), to give average household expenditure of \$1.29 per week.

HES expenditure estimates will be the same, and hence reflect acquisitions, payments and consumption, if the group is sufficiently large. Groups can be considered to be sufficiently large if RSEs for the expenditure estimates are less than 25% (see appendix D for details).

Expenditure on goods and services is classified according to the Household Expenditure Survey Commodity Classification List (HESCCL) which is given in Appendix C.

The list shows the classification of services, and of durable and non-durable goods, which were the primary focus of the HES. It also includes 'selected other payments' such as income tax, repayments on mortgage principal for the household's place of residence, other housing costs of a capital nature such as internal renovations, and superannuation and life insurance.

The HES provides estimates of expenditure for goods and services used for private purposes. It therefore excludes expenditure for business and other investment purposes. Operating expenses of unincorporated businesses were either not collected or were deducted from reported expenditure. If survey participants did report business expenditure, it

was picked up in questions in the Group Questionnaire or space provided in the diary, in which there was an opportunity to report amounts which 'have been or will be charged to a business'. If amounts had been or were going to be charged to a business, then these were deducted from expenditure during processing.

The HES measures net or 'out of pocket' private expenditure on durable goods, non durable goods and services for private purposes. Estimates therefore do not refer to the full costs of goods and services used but only the costs payable by the household for goods and services used.

Classification of expenditure on durable goods, non-durable goods and services

> Expenditure for private purposes

Deduction of refunds and trade-ins In the case of a refund having been received or expected, the amount of the refund was deducted from expenditure to produce a net figure. For expenditure on visits to general practitioners, for example, Medicare and private health insurance refunds were deducted.

In the case of trade-ins, these amounts were also deducted from expenditure to produce a net figure. For example, if the cost of a motor vehicle was partially financed by a trade-in of another, the amount of the trade-in was deducted from the cost for the acquired vehicle.

In the case of the sale of land, houses and motor vehicles, the sale price net of outstanding loans was deducted from expenditure and in the case of houses and motor vehicles, amounts of successful insurance claims were deducted from expenditure. Deductions were made even if there was no expenditure on that item by the household. Sales and claims made in the recall period for items which were not replaced during that period were included to compensate for sales and claims made outside the recall period for items replaced during the recall period.

Where trade-ins, sales and insurance claims exceeded the costs of acquisitions of the same expenditure item, expenditure was recorded as negative.

Expenditure in-kind HES estimates of expenditure include the full retail value of employer subsidised goods and services for food, alcohol, tobacco, clothing and footwear. Employer subsidies for other items, such as the use of vehicles, housing costs, electricity and telephone services, were not included because subsidies could not be differentiated from refunds. A list of items for which expenditure excludes employer subsidies is given in Appendix A.

Other in-kind expenditures, such as the consumption of vegetables grown by the household or provided by another household (not in return for labour) were excluded.

Timing of expenditure

The total period covered by expenditure estimates is a function of the recall or reporting period at the time of interview and the timing of interviewing. Different expenditure items were collected for different periods and interviewing was conducted throughout the 1993–94 financial year.

For most types of expenditure, data was taken from diaries in which survey participants recorded their expenditure over a two week period. Diary recording began the day after interview and all diaries were completed during the 1993–94 financial year. Diary derived estimates therefore refer to expenditure during the 1993–94 financial year.

Other estimates were derived from the group questionnaire which collected expenditure information for goods and services on a recall basis. These less frequently occurring items were collected over periods longer than the two week diary reporting period so that sufficient numbers of households would report expenditure to enable the calculation of reliable expenditure estimates. For example, survey participants were asked to recall how much they spent on motor registration over the last 12 months. Recall periods differed between items, ranging from the household's last payment (which may have been as short as the last week) for rent payments to two years for house purchases. Appendix A gives a list of all items collected in the group questionnaire and their associated recall periods. In general, longer periods were used for items which were expensive, were acquired infrequently or were acquired at irregular intervals. Shorter periods were used for items which were purchased more frequently or were less significant and therefore not well remembered.

The use of different recall periods means that estimates for different expenditure items, in some cases, refer to different periods. The estimates of average expenditure on motor registration, for example, covers the twelve months prior to the beginning of interviewing to the end of interviewing (i.e. July 1992 to June 1994). For house purchases, the period is two years prior to the beginning of interviewing to the end of interviewing (i.e. July 1991 to June 1994). Group questionnaire derived estimates therefore refer to varying periods prior to the 1993–94 financial year as well as during the 1993–94 financial year.

Studies which use HES data tend to assume that all expenditure estimates refer only to the common reference period of July 1993 to June 1994. This is true for all diary derived estimates and is a valid assumption for estimates derived from the group questionnaire only if expenditure prior to the 1993–94 financial year was the same as during the 1993–94 financial year.

For group questionnaire derived estimates, if the volume or price of purchases associated with expenditure were lower during the period over which they are collected prior to the 1993–94 financial year, then average expenditure over the preceding period plus the 1993–94 financial year will be less than average expenditure over the 1993–94 financial year only. Similarly, if prices or volumes were higher during the preceding period, the HES estimate will over–estimate average expenditure in the 1993–94 financial year. The longer the preceding period (which is equal to the length of the recall period), the greater the likelihood of discrepancy. In cases where expenditure is expected to have changed, researchers may wish to acknowledge or adjust for these differences.

Weekly household expenditure

Estimates of weekly expenditure do not refer to any given week but are weekly equivalents. They are derived by dividing reported expenditure for all members of the household by the number of weeks in the relevant recall or reporting period. For group questionnaire items, recall periods vary from the last two years to the last three months, and for some items the last payment is reported (see appendix A for details). For diary items, the reporting period is two weeks.

Although the HES is primarily a survey of household expenditure, information was also collected on household income because:

- The HES aims not only to produce data on expenditure itself but to explain variations in expenditure levels and patterns. The level of household income is a major determinant of expenditure. Income is therefore a major classification variable used in the tabulation and presentation of HES results.
- Income levels and sources can be used to identify groups of special interest. Income is used to identify those receiving government pensions or benefits, earning low incomes, high incomes, wages and salaries, or receiving other types of income.

The income data collected in the HES relates to gross receipts of recurring and usually regular cash flows. The resulting income estimates are a reasonable proxy for weekly cash income and can be used in their own right in income distribution studies.

INCOME

Gross receipts Gross receipts are receipts prior to the deduction of personal income tax.

Instead of collecting information on income tax paid, the ABS models the amount of income tax (plus medicare levy) payable by households according to the taxation criteria for 1993–94 and using the income and characteristics of household members as reported in the survey. Information collected in the HES on household characteristics is not sufficiently comprehensive to enable the calculation of exact amounts of tax payable, but the model provides good proxy estimates.

Usual cash income Usual income is distinct from actual or average income in that it refers to income which is most frequently received over a given period rather than the income which was actually received. This is a better explanatory variable for average expenditure because it excludes variations in income which are unlikely to result in variations in expenditure. Week to week variations in actual or average income are unlikely to affect average expenditure because the financial obligations which drive expenditure are fairly stable, and the expenditure estimates are based on varying reference periods which in many cases are different to those that can be covered by the income estimates.

Receipts which are excluded Receipts which are not recurring and usually regular or are not cash flows were excluded. Examples include:

- (a) capital transfers received such as:
 - (i) inheritances and legacies;
 - (ii) non recurring gifts from other households;
 - (iii) capital repayment of loans from other households;
 - (iv) maturity payments received on life insurance policies; and
 - (v) lump sum compensation for injuries.
- (b) capital gains and losses, such as
 - (i) profit from buying and selling shares unless as a business.
- (c) receipts from running down assets (excluding receipts from pension funds), e.g.
 - (i) withdrawals from savings; and
 - (ii) loans and credit obtained.
- (d) income in-kind (excluding employee income in-kind), such as:
 - (i) the value of home produced goods unless as a business; and
 - (ii) non monetary gifts from other households.

Sources of income

ne Income was collected according to source. Main sources of income include employee income, own business income, government pensions and allowances and other income (including property income such as rent, interest and dividends and other transfer income such as regular recurring receipts from superannuation and child support). A detailed list of the types of income for which HES estimates are available is given in Appendix B.

Employee income Employee income was collected from each person aged 15 years and over who worked for an employer or in his/her own limited liability business. Publication estimates of employee income are the sum of usual weekly pay, average weekly receipts from leave loading and regular bonuses, and the average weekly value of in-kind income from employers.

Usual weekly pay covers wages and salaries, tips, commissions, piecework payments, penalty payments and shift allowances, remuneration for time not worked (e.g. sick and holiday pay) and workers' compensation paid through the payroll.

To obtain usual pay, survey participants were asked what was their most recent pay and what period the pay covered. They were then asked if that pay was usual, and if not, were asked to supply a usual amount and the period covered. Estimates were based on the last (actual) pay if that pay was usual, otherwise on the reported usual pay. Pays were divided by the number of weeks they covered to produce estimates of usual weekly income.

To obtain information on leave loading and regular bonuses, survey participants were asked if they received any leave loading or regular bonuses in the last 12 months. If they did, they were asked to report the amounts received. The amounts were divided by 52 weeks to obtain equivalent average weekly income which, due to the length of the recall period, was considered to be the same as usual income.

With the exception of subsidies for goods and services which could not be distinguished from refunds, the difference between the full retail value of a good or service provided by an employer and the amount paid by the household member was added to the income of employees.

Own business income Own business income was collected from all persons aged 15 years and over who were working as owners or partners in unincorporated enterprises. Own business income is the share of profit/loss of the enterprise accrued to the person. Profit/loss consists of the value of the gross output of the enterprise after the deduction of operating expenses and an allowance for depreciation of assets used in producing the output. Losses occur when operating expenses and depreciation are greater than gross receipts and are treated as negative incomes.

The HES collected own business income in the last financial year because records of own business income are rarely available for more current periods. Sometimes, particularly during the early stages of interviewing, households could not provide information on the last financial year and instead, provided information on the financial year prior to the last financial year. In cases where the preceding financial year's profit/loss was collected, it was assumed that this was representative of current income and was not indexed or updated in any other way. During processing, the amounts were divided by the number of weeks over which the business was operational during the financial year to obtain equivalent average weekly income which, due to the length of the recall period, was considered to be the same as usual income

Property income Property income was collected from all persons aged 15 years and over who reported net receipts accrued in the recall period as a result of ownership of assets. It comprises returns from financial assets (interest, dividends), from non financial assets (rent) and from royalties. Amounts of property income were collected for the last financial year. The amounts were divided by 52 weeks to obtain equivalent average weekly income which, due to the length of the recall period, was considered to be the same as usual income.

Interest was collected from deposits (including term deposits) with banks, building societies, credit unions and other financial institutions.

Rent comprised receipts from property other than owner-occupied dwellings. It included receipts from lodgers and others who were sub-letting part of the dwelling, but excluded receipts from boarders who were counted as members of the household. Analogous with own business income, rent was net of operating expenses such as repairs and maintenance and interest payments. It was also net of depreciation. Losses occurred when operating expenses and depreciation were greater than gross receipts and were included in income estimates as negative incomes.

Dividends comprise income received from investments in corporate equities, such as ownership of shares. Imputation credits were included as income.

Royalties include receipts in return for the use of patented and copyright materials.

Cash transfer income Cash transfer income was collected from all persons aged 15 years and over who reported they were currently receiving regular and recurring receipts other than those obtained from employee, own business or property income. It consisted of government pensions and allowances, other pension and life assurance annuity benefits and other current cash transfers.

Government pensions and allowances were receipts paid by government to persons under social security and related government programs. They included pensions paid to aged persons, benefits paid to veterans and their survivors and study allowances for students.

Other pension and life assurance annuity benefits included regular superannuation, life insurance and annuity receipts.

Other current cash transfers included private scholarship or study allowances, workers' compensation not paid through the payroll and child support payments (non government).

The HES collected current transfer information by asking recipients what was their last payment and the period it covered. Assuming that transfer payments were fairly uniform, the last actual receipt was considered a good proxy for usual income. The receipt was divided by the period it covered to produce an estimate of average weekly income.

Children's income Income of children aged less than 15 years was collected from the first parent or guardian interviewed. Only values of income which were readily accessible to the child or the parent or guardian were collected.

Timing of income The total period covered by income estimates is a function of the recall period at the time of interview and the timing of interviews. Table 1 shows the length of the recall periods for different income items and, given that interviews were conducted over the 1993–94 financial year, shows the total period covered by the income estimates.

Studies which use HES data tend to assume that all income estimates refer only to the common reference period of July 1993 to June 1994. This is at least approximately true for employee and cash transfer income. For own business and property income, it is a valid assumption only if income levels are constant between the last financial year and the 1993–94 financial year. In cases where income levels are expected to have changed, researchers may wish to acknowledge or adjust for these differences.

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RECALL PERIODS AND TOTAL PERIODS COVERED BY 1993–94 HES INCOME ITEMS

Income data item	Recall period	Total period covered by estimates
Employee income		
usual pay	last pay	approx. July 93 to June 94
leave loading and regular bonuses	last 12 months	July 92 to June 94
income in-kind	2 weeks after interview (due to being collected in the diary)	July 93 to June 94
Entrepreneurial income	last financial year (or if this could not be provided, the financial year prior to the last financial year)	July 92 to June 93 (or July 91 to June 92)
Property income	last financial year	July 92 to June 93
Cash transfer income	last payment	approx. July 93 to June 94

Weekly household income

Estimates of weekly income are derived by dividing the sum of each household members' personal income plus children's' income by the number of weeks over which it was collected. Thus, estimates of weekly income do not refer to any given week but to usual weekly income.

DIFFERENCE BETWEEN INCOME AND EXPENDITURE

Although comparisons can be made between average weekly expenditure and usual weekly income, it would be misleading to take the difference between the two as a measure of savings. There are several reasons for this:

- (a) For individual households, expenditure does not cover all current payments because expenditure was collected on an acquisitions approach.
- (b) Expenditure estimates for different items refer to different periods.
- (c) Measures of income do not cover all sources of funds which might be used to finance current expenditure. Receipts from running down assets, capital transfers and capital gains and losses were not collected. Over short periods, for some households, such receipts will have been large compared with receipts included as income.
- (d) Income does not cover a common reference period. Income estimates for different sources of income refer to different periods.

HES income and expenditure estimates therefore do not balance for individual bousebolds or for groups of bousebolds and the difference between income and expenditure can not be considered to be a measure of savings.

SURVEY METHODOLOGY

SCOPE	Residents of private dwellings in Australia were included in the survey. <i>Private dwellings</i> were houses, flats, home units, caravans, garages, tents and other structures that were used as places of residence at the time of interview. These were distinct from special dwellings which included hotels, boarding houses and institutions. Residents of special dwellings were excluded from the survey owing to differences in their lifestyle and accommodation, which were considered to result in different needs and spending patterns which need to be evaluated separately. Also excluded were households which contained foreign defence force staff, foreign diplomats or diplomatic staff.
COVERAGE	Information was collected from usual residents of private dwellings in all areas of Australia except remote and sparsely settled areas, where:
	 usual residents were residents who regarded the dwelling as their own or main home. Others present were considered to be visitors and were not asked to participate in the survey.
	 remote and sparsely settled areas were areas in which there were less than 0.06 dwellings per square kilometre.
SURVEY DOCUMENTS	Information for each household was collected using four types of survey documents:
	(a) a personal diary in which people recorded their expenditure over two weeks,
	(b) a group questionnaire which collected information on:
	(i) household characteristics;
	(ii) expenditure for which more detail was required than could be provided in the diary (e.g. health service payments);
	(iii) expenditure on items which were acquired infrequently or at irregular intervals (e.g. household appliances); and
	 (iv) expenditure on items which would have been otherwise under-covered (e.g. holiday payments which were under-covered in the diaries because households having such expenditure were not available for interview);
	 (c) an individual questionnaire which collected information on income and personal characteristics such as labour force status; and
	(d) a loans authorisation form which doubled as an authorisation form for survey participants to sign if they agreed to allow the ABS to contact their lenders for information and a questionnaire for the lenders to complete.
	If required, packs containing sample copies of the above documents are available for purchase.
INTERVIEWING	
PROCEDURES	Experienced ABS interviewers were employed to collect HES data. They were given comprehensive training and were provided with detailed written instructions to complement the survey documents.
	Interviewers maintained contact with households over a series of visits. The visits and their sequence were as follows:
	(a) initial contact interview
	 (i) The interviewer obtained information on the numbers and characteristics of people usually resident in the dwelling. If a responsible adult was not available, the interviewer called back

at another time. (A responsible adult is usually the reference person or spouse and must be over 15 years of age.)

(ii) The interviewer also arranged a convenient time to call back to talk with all the usual residents of the dwelling as a group. If that was not possible, then additional interviews were arranged to ensure that all usual residents were covered by the survey.

(b) the placement interview

Ideally all usual residents of the dwelling were present for this interview and the interviewer:

- (i) completed one group questionnaire for each household usually resident in the dwelling,
- (ii) completed an individual questionnaire for each usual resident aged 15 years and over, and
- (iii) provided each usual resident aged 15 years and over with a diary in which they were asked to record details of each purchase they made over the following two weeks, starting the day after the interview.

If a usual resident could not be present for the interview, or for reasons of confidentiality requested to have a private interview, the interviewer returned at an agreed time and added the person's information to his or her household's group questionnaire and completed the person's individual questionnaire.

(c) diary visits

(i) Three diary visits were performed. The first was between two and four days after the placement interview to ensure that survey participants were not having difficulties. The second was to pick up the first week's diary and to drop off the second. The third was at the end of the diary keeping period, and was to pick up the second diary and thank participants for their help in providing HES information.

PROCESSING

Other data entry

Data entry was undertaken using a computer assisted data entry (CADE) system. The CADE system structured data entry, detected possible typing errors and helped operators to code diary items into HES commodity codes. It also helped to produce reports on data entry progress as well as reports listing items classified to each HES commodity code. The report on the items classified to each commodity code is called the HES Code Book and is available for purchase by researchers who need a detailed knowledge of the content of each commodity code (For example, a researcher may need to know the contents of code 212 Potato Crisps and other savoury confectionery which the HES Code book shows to contain bahl chipletts, burger rings, cheese things, cheezels, chips (crisps), chips (not hot), corn chips, le snack, pretzels, snack attack and many others). The system also deleted expenditure recorded in the diaries on items covered by the group questionnaire. For example, the group questionnaire collected information on mains gas payments so any payments coded to HESCCL 123 (Mains Gas) were automatically deleted.

Loans processing

SSING Loans information was entered separately from other information. Details of loans were available from a number of sources and were processed hierarchically.

Signed loans authorisation forms were collated at the ABS and sent to the appropriate lending institutions for completion. When the form was returned, the information was entered into the HES input file. If households had loans, but preferred not to sign the loans authorisation form, then they were asked the questions relating to loans on the extractable pages in the group questionnaire. If participants were able to answer these questions, then that information was entered into the HES input file.

If the households had loans, preferred not to sign the loans authorisation form and were unable to answer the questions on the extractable loans pages, then the information collected in the group questionnaire to establish the types of loans held by the household was used to impute the loan details, and these were entered on the HES input file.

SURVEY DESIGN AND ESTIMATION

This section describes how estimates for all households residing in private dwellings in Australia are derived from the data supplied by a sample of households, and how variability of estimates should be interpreted given the error arising from taking a sample.

- SAMPLE DESIGN The sample was designed to produce reliable estimates for households resident in private dwellings aggregated for Australia, for each state and for metropolitan areas in each state and territory. Approximately 10,980 private dwellings were selected. Of these, there were 9,733 which were within the scope of the survey, of which 86 per cent responded.
- SAMPLE LOSS Sample loss refers to units which have been selected in the sample but were out of scope in the survey. The sampling units in the HES were private dwellings. Dwellings which were out of scope included those which were found to be vacant, under construction, converted to non dwellings or demolished. Additionally, dwellings containing no in-scope residents (e.g. dwellings occupied by foreign diplomats and their dependants) were also out of scope. In total, 1,250 dwellings were found to be out of scope.

FULLY NON-RESPONDING HOUSEHOLDS

Of the households selected in the sample, there were 1,344 which did not contribute to the values of HES expenditure or income. Such households included those affected by death or illness of a household member and those in which the reference person or spouse did not respond – either they could not be contacted, had language problems, or refused to participate. Records for these households were retained during processing to assist file adjustment for survey non-response.

PARTIALLY RESPONDING HOUSEHOLDS AND IMPUTATION

Households which provided most of the required HES information, but were unable, or unwilling, to provide all of it were referred to as partially responding households. These households were retained in the sample and their missing values were imputed for. To exclude such households may bias the results as they may differ systematically from households providing all the required information at the time of interview.

Some of the missing information could be deduced, using additional information supplied on the questionnaire, (such as prices for given quantities and types of bread and milk purchased from given types of outlets). In the remainder of cases, the missing information was imputed. Imputation is the process of replacing missing values with substitute values after processing. In the 1993–94 HES, imputation was carried out at two levels:

- (a) where a value was missing for a particular item, the missing value was replaced with a donor value which had been reported by another person or household; and
- (b) where questionnaires or diaries were missing for a person in the household (other than the reference person or spouse) the missing information was replaced with whole questionnaires or diaries of another individual.

In either case, the record providing the missing information is known as the *donor* record. Donor records were selected so that, as far as possible, the information they provided was an appropriate proxy for the information that was missing. Depending on which values were being imputed, donors were taken from the pool of households or individual records with complete information for the block of questions in which the missing information was located. For example, loans information was only imputed from households which provided complete information on the loans block of questions in the group schedule.

To better match donors to recipient records, both sets of records were ordered according to characteristics associated with the blocks of variables being imputed. Recipients with missing information were matched with donors which fell into the same classes as themselves. The classes were fairly broad so that sufficient numbers of donors could be found in similar classes to the recipients.

Classes for different groups of items were as follows:

- (a) For group questionnaire items, donors and recipients were classified according to:
 - (i) whether the household's usual place of residence was in a metropolitan or an ex-metropolitan area (resulting in 2 classes);
 - (ii) the number of adults and children present in the household (resulting in 20 classes);
 - (iii) whether the head of the household was an employee, an owner of an unincorporated business or neither of these (resulting in 3 classes); and
 - (iv) total household income (3 classes).
- (b) For diary expenditure items, donors and recipients were classified according to the above expenditure classes excluding (iii) (whether the head of the household was an employee, an owner of an unincorporated business or neither of these).
- (c) For income items, donors and recipients were classified according to:
 - (i) the age of the person (resulting in 7 classes);
 - (ii) the relationship of the person to the head of the household (resulting in 12 classes); and
 - (iii) the type of family to which the person belonged (resulting in 13 classes).

If no donor was available from the recipient's class, then the selection criteria were relaxed in backwards sequence. E.g. if a household had missing expenditure on electricity, and there was no donor household which fell into the same classes for the categories a) to d) given for expenditure, then donors were picked which fell into the same classes for categories as a) to c) above, or a) to b) until at least one donor was found. If more than one donor was available then the donor was randomly selected from the pool of (equivalent) donors. Donors could be used twice before they became unavailable for reuse.

FINAL SAMPLE

The sample on which estimates were based, or the *final* HES sample, is composed of households for which all necessary information is available. The information may have been wholly provided at the interview (*fully responding bouseholds*) or may have been completed through imputation for partially responding households. The final sample includes approximately 900 households (most of which had income information imputed) which would have been excluded under procedures used for the 1988–89 HES.

	Broad geograph			
State/territory	Capital cities	Other urban	Rural	Total
NSW	1 484	589	153	2 226
Vic	1 322	329	131	1 782
Qld	567	460	121	1 148
WA	536	108	40	684
SA	573	91	55	719
Tas	613	115	63	791
NT	575	20	7	602
ACT	437	-	-	437
Australia	6 107	1 712	570	8 389

2 HES FINAL SAMPLE: NUMBER OF HOUSEHOLDS

1993-94

INITIAL WEIGHTING

'Expansion factors', or weights, are values by which information for sample households are multiplied to produce estimates for the whole population.

Initial weights were based on the sample design and were equal to the inverse of the probability of a household's dwelling being selected. Weights for each member of a household were the same as the weight for the household itself. Further adjustment factors were then calculated within post stratification to account for non-response.

ADJUSTING FOR NON-RESPONSE THROUGH POST-STRATIFICATION

Post stratification involves allocating all responding and non-responding households to groupings, or post strata, based on dwelling type and household composition and then calculating a specific non response adjustment factor for each group.

The aim when forming the strata is to separate households or individuals with different response characteristics. At the same time, the intent is to create groups with similar patterns of household expenditure.

The groupings that can be formed are restricted by the amount of information available for households which were non responding. Households were grouped according to broad dwelling type (which interviewers recorded on the basis of their inspection of the dwelling) and household composition which was available in most cases from the contact interview. Only two categories were defined for dwelling type, 'flat or caravan' and 'other'. Categories for household composition were 'one adult and no children', 'one adult plus children', 'more than one adult and no children', 'more than one adult plus children' and 'unspecified'.

Within each dwelling type by household composition cell, the initial weights of responding households were adjusted to take into account the representation of non responding households in the cell.

BENCHMARKING To adjust further for under-enumeration and to align survey estimates with independent population estimates, the weights were calibrated against person and household benchmarks. A software package called CALMAR was used to perform this calibration. Using an iterative procedure, CALMAR adjusted the weights so that person and household estimates conformed as closely as possible with external person and household benchmarks. Person benchmarks were used for seven age categories at the Australia level. Household benchmarks were used for twelve categories of household composition at the Australia level, and for the total number of households at the State and Territory level.

> The household benchmarks were based on provisional estimates of numbers of households in Australia. The benchmarks were adjusted to include households and persons residing in private dwellings only and therefore do not, and are not intended to, match estimates of the total Australian resident population published in other ABS publications.

The benchmarks do, however, include persons and households in sparsely settled areas. HES estimates are therefore weighted as if households and persons in sparsely settled areas were included in the survey and it is assumed that their spending patterns and incomes are the same as other households of similar composition and persons of similar ages. This assumption is unlikely to be correct but given the small number of cases for which the assumption has been made, it is not expected to affect HES estimates. A notable exception is for the Northern Territory. HES estimates of expenditure and of household characteristics for Northern Territory households are said to be mainly representative of urban areas.

Estimates produced from the survey are usually in the form of averages (e.g. average weekly household expenditure on clothing and footwear), or aggregates (e.g. total number of households who own their dwelling). For aggregates, the estimate was obtained by summing the weighted values of the responding households in the required group (e.g. those households owning their dwelling). Averages were obtained by adding the weighted household values, and then dividing by the estimated number of households (e.g. average weekly expenditure on clothing and footwear by Victorian households is the weighted sum of the expenditure of households in Victoria who reported such expenditure, divided by the estimated number of households in Victoria). Note that the denominator is the total number of households and not just the number of households which have reported expenditure on the particular item.

RELIABILITY OF ESTIMATES

The estimates provided in this publication are subject to two types of error.

ESTIMATION

Non-sampling error This type of error can occur whether the estimates are derived from a sample or from a complete collection. Three major sources of non-sampling error are:

- inability to obtain data from all households included in the sample. Although adjustments are made for non-response bias, some bias may remain;
- errors in reporting on the part of both respondents and interviewers. These reporting errors may arise through inappropriate wording of questions, misunderstanding of what data are required, inability or unwillingness to provide accurate information and mistakes in answers to questions; and
- errors arising during processing of the survey data. These processing errors may arise through mistakes in coding and data recording.

Non-sampling errors are difficult to measure in any collection. However, every effort was made to minimise these errors. In particular, the effect of the reporting and processing errors described above was minimised by careful questionnaire design, intensive training and supervision of interviewers, asking respondents to refer to records whenever possible and by extensive editing and quality control checking at all stages of data processing.

The error due to incomplete responses was minimised by:

- call-backs to all initially non-responding households in order to explain the importance of their co-operation to the project; and
- adjustment to the 'weights' (the factors to expand the sample data to obtain population estimates) allocated to the respondent household in order to allow for households with similar characteristics from whom comprehensive data were not obtained.
- Sampling error The HES estimates are based on a sample of possible observations. Hence, they are subject to sampling variability and estimates may differ from the figures that would have been produced if information had been collected for all households. Further information on sampling error is given in Appendix D.

DATA ANALYSIS

COMPARABILITY BETWEEN THE 1993-94 HES AND PREVIOUS SURVEYS

Comparability in the concepts, classifications and methodology employed in the HES has been maintained where possible between the 1993–94 survey and previous surveys. Within some limitations, the results of the surveys can be viewed as a time series and changes in income and expenditure patterns over this period can be analysed.

The 1993-94 HES is essentially the same as the 1988-89 survey. The main differences are:

- the survey weighting process for the 1993–94 HES used independent estimates of the number of households in Australia as benchmarks;
- some missing items of information were imputed using information reported for similar households. This resulted in a larger number of households (approximately 900) contributing to the HES results: and
- income tax payable by households was estimated for all households according to the taxation criteria for 1993–94 and using the income and other characteristics of household members as reported in the survey.

The main differences between the surveys which need to be taken into account when performing time series analyses are given in Table 3. In summary, analyses incorporating results from the 1974–75 survey onwards are restricted to households usually resident in capital cities, which can be grouped according to selected household characteristics, whose expenditure is classified to relatively broad categories and for whom negative incomes are set to zero

MAIN DIFFERENCES BETWEEN THE 1993-94 HES AND PREVIOUS SURVEYS

	1993–94	1988-89	1984	1975-76	1974-75
Complete household	ds				
capital cities	6 107	5 263	6 896	2 813	9 095
other urban	1 712	1 630	2 027	2 225	-
rural	570	512	648	831	-
total	8 389	7 405	9 571	5 869	9 095
Household characteristics	See output items in Appendix B	as in 1993–94	as in 1993–94	Some differences in coding ¹	Some differences in coding ¹
Expenditure classification	See output items in Appendix B	as in 1993–94	as in 1993–94	Some differences	Some differences in coding ²
Expenditure in-kind	The value of employer provided housing, electricity and telephone services were not included.	as in 1993-94	as in 1993-94	The value of employer provided housing, electricity and telephone services were included.	The value of employer providec housing, electricity and telephone services were included.
Income in-kind	as above	as in 1993–94	as in 1993–94	as above	as above
Negative income	negative incomes were treated as negative	as in 1993–94	negative incomes were set to zero	negative incomes were set to zero	negative incomes were set to zero
Income Tax	entirely imputed	as reported with some imputation	as reported with some imputation	as reported with some imputation	as reported with some imputation

¹ Differences in coding exist for many items including occupation, household composition, country of birth, labour force status and full time student status. In some cases, items can be recoded so they are consistent over all surveys

² Fine level codes in earlier surveys were less detailed and arranged in different broad and medium categories. In most cases, it is possible to recreate the 1974–75 and 1975–76 codes for information collected in later surveys.

INCOME QUINTILES

3

Many of the 1993–94 HES publications will contain tables of expenditure estimates for households classified according to gross income quintiles. Income quintiles are formed by ranking all households in terms of their gross income and then dividing the households into five groups each containing 20% of all households. The lowest quintile contains the 20% of households with the lowest incomes, the second lowest quintile contains the 20% of households with the next lowest incomes and so on up to the highest quintile which contains the 20% of households with the highest incomes.

ABS publications show that estimated numbers of households in each quintile are not exactly the same and the proportion of households in each quintile is not exactly 20%. Some slight variation occurs because many households have the same income at the income quintile cut-off points. Instead of allocating households with the same incomes to different quintiles, as would be necessary to have equal numbers of households in each quintile, households with the same income values are allocated to the same quintile.

Deciles are similar to quintiles with the exception that households are divided into ten groups containing 10% of all households.

EQUIVALENCE SCALES

Differing requirements of different household types should be taken into account when comparing their standards of living.

Household requirements vary according to a number of factors such as household size, composition and labour force participation. For example, to achieve the same standard of living, a household consisting of a single person would probably require less than a couple without children who in turn would require less than a couple with several dependent children. In addition, households containing members who are working or actively looking for work, usually incur greater costs than households containing members who are not in the labour force.

Differences can be taken into account using equivalence scales. Equivalence scales are a set of ratios which are applied to the income of different household types to produce standardised estimates of income which reflect the households' relative standards of living. There are a number of different sets of equivalence scales available for use. Standard tables released by the ABS have not been adjusted for household size and composition.

SOURCES OF FURTHER INFORMATION

A range of data is available from the 1993–94 HES in both published and unpublished form. More detailed information can be obtained by contacting the Household Income and Expenditure Section Contact Officer on Tel: (06) 252 7614.

PUBLICATIONS The 1993–94 HES publication program is based on that undertaken for the 1988–89 HES survey. For each publication the following list gives the title, ABS catalogue number, price and a brief description of its contents.

Summary of Results (6530.0) \$22.00

Contains summary tables of the 1993–94 HES results. Includes tables of estimates of expenditure on broad categories of commodities and services by household income quintile group, principal source of income, state of residence, family composition, tenure type and characteristics of the reference person.

States and Territories (6533.0) \$29.00

Includes tables of estimates of expenditure on broad categories of commodities and services by each state and territory by income quintile, by capital cities by income quintile and by broad geographic areas. Also includes selected comparisons with 1984 and 1988–89 estimates.

Household Characteristics (6531.0) \$31.00

Provides tables of estimates of expenditure on broad categories of commodities and services by detailed household types. Household types include household size by income quintile, age of reference person by quintile, family composition by quintile, employment status of the reference person, tenure type by quintile, principal source of income by quintile and life cycle groups. Also provides selected comparisons with 1984 and 1988–89 estimates.

Information Paper: HES Confidentialised Unit Record File (6544.0) free issue

For users who wish to produce their own tabulations, the ABS can provide a confidentialised unit record file. The information paper contains an order form, details of the conditions of use and describes the content and structure of the file. Detailed Expenditure Items (6535.0) \$31.00

Contains tables of expenditure at the finest level of detail for commodities and services (over 400 categories). Tables are cross-classified by income quintile and state or territory of residence.

The Effects of Government Benefits and Taxes on Household Income (6537.0) \$35.00

Describes the results of a study which uses HES data, in conjunction with other data such as government finance statistics, to calculate the effects of government benefits and taxes on household income. Provides estimates of government cash benefits received (e.g. age pension and unemployment benefits), personal taxes paid, indirect benefits received (from government spending on health, education and housing) and indirect taxes paid (e.g. petrol and alcohol taxes) for households by principal source of income, family composition by income quintile and characteristics of household reference persons.

RESEARCH AIDS

HES Comparison of Results — Research Paper \$10.00

Contains comprehensive information on the comparison of HES results with results from other collections such as the Australian National Accounts, taxation data and Department of Social Security data. Identifies and explains differences between the 1993–94 HES estimates and data from other sources.

HESCCL Code Book --- HES Processing Documentation \$25.00

Gives lists of products included in detailed HES commodity codes. The book is arranged both as an alphabetic list (giving code numbers for items arranged alphabetically) as well as a numeric list (which shows all items included under a given code).

Household Expenditure Survey Questionnaire Pack — HES Interviewing Documentation \$122.00

Contains samples of the group and individual questionnaires, the loans authorisation form and a HES diary.

Clients requiring tables that are not contained in HES publications can

SPECIAL ORDER TABLES

have them produced on a fee for service basis. Data items available for inclusion in tables are given in Appendix B. Inquiries should be made to Allan Etheredge on (06) 252 7031.

CONFIDENTIALISED UNIT RECORD FILES (CURFS)

For clients who wish to produce their own tabulations and to conduct manipulations of survey estimates (such as applying equivalence scales), a confidentialised file on magnetic tape or disk can be supplied.

To protect the confidentiality of individual persons and households some data items have been removed from the file and the level of detail for some items has been reduced.

Two types of unit record files are available: a confidentialised unit record file which contains HES estimates only (priced at \$7,200) and a confidentialised file containing HES estimates combined with estimates produced in the study of the Effects of Government Benefits and Taxes on Household Income (\$7,600). Both files are expected to be very similar in content to those released for the 1988–89 Survey.

The combined file is available after the release of the HES confidentialised unit record file. For an additional charge of \$400, clients can update HES files bought at the time of the HES CURF release when the results of the study of the Effects of Government Benefits and Taxes become available on CURF.

Clients wishing to register interest in these data files should contact the officer listed at the beginning of this section.

Auspend (previously Household Expenditure Survey Small Area Data or HESSAD)

Auspend combines information from the 1993–94 HES and the 1991 Census of Population and Housing, to produce estimates of household expenditure for small geographic areas. Auspend gives market researchers an insight into who their customers are and their presence in different locations.

For most expenditure items, Auspend can produce estimates of likely average expenditure by households living in a given area. For example, if a client wanted to set up a home delivery pizza shop then Auspend estimates of average expenditure on take-away in different areas could be produced. Estimates of average expenditure can be given on maps if clients prefer. An example from the 1988–89 Auspend is to be found on the next page. The values for this map have been adjusted for inflation to 1990 using the Consumer Price Index.

Methodology

The method by which Auspend produces estimates of average expenditure for small areas is summarised in the four steps below:

- (a) For a given expenditure item or combination of expenditure items, the 1993–94 HES sample of 8,389 households is analysed to find the household characteristics that are significant predictors of the expenditure in question. The analysis also determines the extent to which these characteristics are associated with increases or decreases in expenditure
- (b) From the 1991 Census of Population and Housing, the number of households in each census collectors district with the characteristics found in the previous step are counted.
- (c) The information from the previous two steps are combined to provide an estimate of expenditure in each census collectors district.
- (d) The census collectors district expenditure estimates are aggregated to the area of interest to the client.

Average household expenditure in the area of interest is calculated by dividing the aggregate expenditure by the total number of households in the area of interest.

Accuracy of Auspend estimates

Expenditure estimates will be adjusted for changes in prices between the time of conduct of the 1993–94 HES and the time of request for Auspend output. Adjustment will be undertaken using the latest Consumer Price Index information on price movements for detailed expenditure classes.

The main factors influencing the accuracy of small area household expenditure estimates derived using Auspend are the adequacy of the expenditure model, sampling error and non-sampling error.

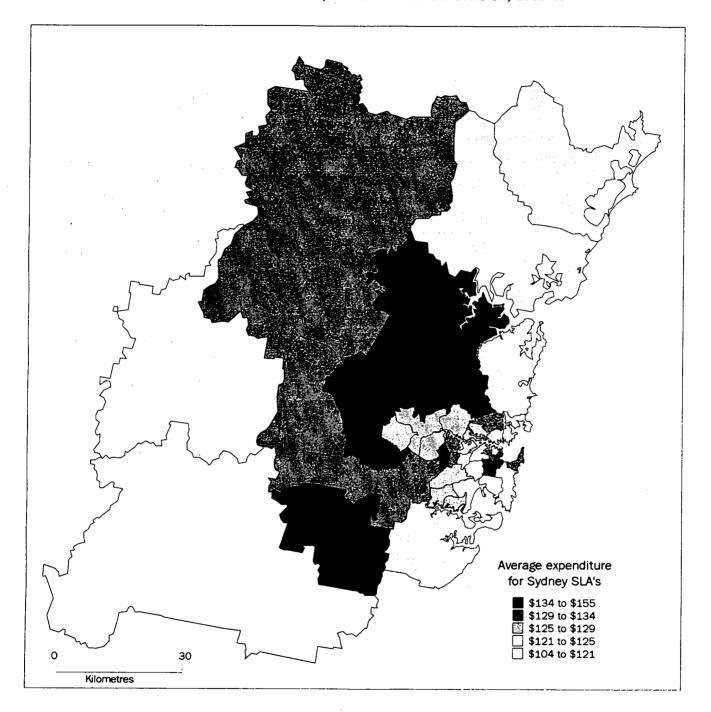


Figure 1 AUSPEND ESTIMATES OF AVERAGE WEEKLY HOUSEHOLD EXPENDITURE: FOOD AND NON-ALCOHOLIC BEVERAGES, SYDNEY STATISTICAL DIVISION, 1988–89

The Auspend expenditure model identifies household characteristics which correlate with household expenditure on a selected commodity. Typically, there will be a portion of a household's expenditure on that commodity which is not explained by the household characteristics available for analysis. Generally the unexplained portion, or residual, is assumed to cancel out for reasonably sized regions (containing at least 1,000 households).

The accuracy of Auspend estimates is affected by the significance of regional or geographic variations in expenditure which are unrelated to the household characteristics used by the model. A number of commodities are particularly influenced by regional variation. Reasons include the lack of retail availability (e.g. rail fares outside of metropolitan areas, mains gas and cinema admissions) and regional demand, such as some forms of recreation.

Auspend estimates are calculated using Household Expenditure Survey (HES) data which are subject to sampling error. A good indication of the sampling error applying to the Auspend estimates is the sampling error for the HES estimate at the Australian level given in the HES publications.

Non-sampling errors refer to a range of errors, such as reporting errors by respondents, which affect the overall accuracy of HES estimates. The ABS takes great care to minimise these errors by careful questionnaire design and processing procedures. Such errors are difficult to quantify but it is expected that HES estimates for some commodities, such as tobacco and alcoholic beverages, are more affected by non-sampling errors than other commodities. Auspend estimates based on HES estimates with low non-sampling errors will be more accurate than estimates based on HES estimates with high non-sampling errors.

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APPENDIX A — ITEMS COLLECTED IN THE GROUP QUESTIONNAIRE

1 The following is a list of all items for which expenditure was collected in the group questionnaire. A full listing of expenditure items, including those for which information was collected using diaries, is given in Appendix C.

2 Expenditure estimates based on group questionnaire information do not include employer subsidies because the subsidies could not be differentiated from refunds (see 'Expenditure in kind') and, depending on the length of the recall period and changes in household expenditure, may require adjustment for use in some analyses (see 'Timing of Expenditure').

EVDENI		
101 102		RECALL PERIOD last payment ¹
103 104	0	combination of last payment ¹ and 12 months ²
105	House and contents insurance	last payment ¹
106	Repairs and maintenance — payments to contractors	3 months
108	Interest payments on loans for alterations and additions Body corporate payments	last payment ¹
121 122 123 125 126 128	Electricity Electricity (other dwelling) Mains gas Bottled gas Heating oil	last payment ¹
351 352 353	Kitchen furniture Bedroom furniture Lounge/dining room furniture	3 months
354 355 356 357	Outdoor/garden furniture	
358 359	Vinyl and other sheet floor covering Floor tiles	

		·····
	DITURE ITEM	RECALL PERIOD
371 372 373 374 375 376	Cooking stoves, ovens, hot plates and ranges Refrigerators and freezers Washing machines Air-conditioners Dishwashers Clothes dryers	3 months
412	Telephone and telegram charges	combination of 12 months, 3 months and 2 weeks ²
413	Pest control services	3 months
414	Gardening services	combination of 3 months and 2 weeks ²
417	Child care services — institution	combination of 12 months and 2 weeks ²
421 423	Carpet cleaning Repair and maintenance of soft furnishings	3 months
424	Repair and maintenance of household appliances	
425	Repair and maintenance of tools	
426	Repair and maintenance of household durables n.e.c. and undefined	
431	Household appliance repairs insurance	last payment ¹
451	Hospital, medical and dental insurance	last payment ¹
452 453	Ambulance insurance (separate insurance) Sickness and personal	
	accident insurance	
454 455 456 457	General practitioners' fees Specialist doctors' fees Dental charges Opticians' fees (including spectacles)	3 months
458 468	Practitioners' fees n.e.c. Hospital charges	
501 502 503	Purchase of motor vehicle (other than motor cycle) Purchase of motor cycle Purchase of caravan	12 months
504 505 510	(other than selected dwelling) Purchase of trailer Purchase of bicycle Compulsory registration and insurance of motor vehicle (other than motor cycle)	

EXPENDITURE ITEM RECALL PERIOD 511 Other insurance of motor vehicle (other than motor cycle) 12 months 512 Compulsory registration and insurance of motorcycle, caravan and trailer 13 513 Other insurance of motor cycle, caravan and trailer 515 515 Tyres and tubes 3 months 521 Drivers licence 3 months 533 Radio/stereo/hi-fi equipment 3 months 554 Video cassette recorder equipment 12 months 554 Video cassette recorder equipment 13 months 554 Video cassette recorder equipment 3 months 555 Home computer equipment 3 months 526 Holiday air fares 3 months 627 Holiday bus fares 3 months 628 Holiday bus fares 3 months 629 Motel/hotel charges 3 630 Holiday flat/house charges 631 634 Other package tours 12 months 635 Holiday fares — air 3 634 Other package tours 12 months 635 Holiday accommodation —	[
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EXPEN	DITURE ITEM	RECALL PERIOD
711	Primary school fees (government)	12 months
712	Primary school fees (independent)	
713	Secondary school fees (government)	
	Secondary school fees (independent)	
715 716	Tertiary education fees Fees paid of other educational institutions	
720	Government duties and charges separately identified	imputed on basis of number & value of cheques written in last month
727	Fees n.e.c.	combination of 3 months and 2 weeks ²
729	Personal belongings insurance	last payment ¹
751	Income tax	imputed
752 753	Mortgage repayments — principal (selected dwelling) Principal component of mortgage repayment for other property	last payment ¹
754	Purchase of selected dwelling or other property (excluding mortgage repayments but including outright purchase, deposit net of sales)	2 years
755 756 757 758 759 760 761	Additions/extensions Internal renovations Insulation Inground swimming pool Outside building Landscape contractor Outside improvements n.e.c.	12 months
771 <u>772</u>	Superannuation and annuities Life insurance	last payment ¹
and th	ated on the basis of information on the reperiod which that payment covered.	
recall	periods. In some cases, components we ary and hence have reporting periods of	ere collected using

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APPENDIX B — CROSS CLASSIFICATORY VARIABLES

The ABS offers a range of unpublished data 1 on request. This appendix specifies those data items which can be readily used to produce tables with the restriction that there must be sufficient households in the tables to produce useable results.

2 The following is a list of variables which can be used to cross classify expenditure. Section One lists the variables which are available at the household and person levels while Section Two lists the categories associated with the values that each of the variables possess.

SECTION 1

- Cross Classificatory Variables ITEM DESCRIPTION **GEOGRAPHY** *bousebold* **GEO100** State **GEO105** Area **GEO106** Region **GEO990** Decile of socio-economic index for areas within Australia (SEIFA1) GEO991 Decile of socio-economic index for areas within each state or territory (SEIFA2)

HEALTH CONDITIONS

person

CND403	Number of health conditions
Туре	of health condition
CND4201	— first
CND4202	— second
CND4203	— third
CND4204	— fourth

CND450 Severity of health conditions

Whether needs help with

CND4511	— personal care
CND4512	— mobility
CND4513	- communications
CND4514	— education

- CND4515 - employment
- **CND452** Number of tasks the person needs help with

Health care c

PSN4801	— first
PSN4802	— second

DEMOGRAPHY household

pousepoia	
HSH100	Household type
HSH120	Number of families
HSH122	Family composition
HSH130	Number of income units
HSH1402	Number of usual residents
HSH141	Number of males
HSH142	Number of females
HSH145	Number of non-dependent persons
HSH146	Number of dependants
HSH147	Number of other family persons
HSH148	Number of non-family persons
HSH150	Number of retired persons
HSH153	Number of spenders
HSH159	Household family composition

Number of persons aged

Num	ber oj persons ag
HSH15101	— under 2
HSH15102	— 2 to 4
HSH15103	— 5 to 12
HSH15104	— 13 to 14
HSH15105	— 15 to 17
HSH15106	— 18 to 19
HSH15107	— 20 to 24
HSH15108	— 25 to 44
HSH15109	- 45 to 54
HSH15110	— 55 to 59
HSH15111	— 60 to 64
HSH15112	— 65 to 74
HSH15113	— 75 or over

Number of dependent child/ren aged

incli	uding student/s
HSH1461	— under 4
HSH1462	— 5 to 9
HSH1463	— 10 to 12
HSH1464	— 13 to 14
HSH1465	— 15 to 16
HSH1466	17 to 20

Hou	sebold bead
HSH1011	Sex
HSH1021	Age
HSH1031	Marital status
HSH1041	Country of birth
HSH1051	Year of arrival
Spor	use of bousebold bead
HSH1042	Country of birth
HSH1052	Year of arrival
person	
PSN401	Sex

	0en
PSN402	Age
PSN403	Marital status
PSN404	Country of birth
PSN405	Year of arrival
PSN423	Relationship within income unit
PSN424	Relationship within household
PSN432	Family type
PSN433	Income unit type

DWELLING

household	
DWE100	Dwelling structure
DWE101	Number of bedrooms
DWE170	Tenure (Nature of occupancy)
DWE180	Estimated value of dwelling
	• 0

TRANSPORT

bousebold Number of registered motor cars and motor cycles in household **TRA125**

LABOUR FORCE

bousebold	
LBF170	Number of employed persons
LBF171	Number of unemployed persons
Hous	ebold head
LBF1011	Employment status
LBF1181	Occupation
LBF1231	Hours worked in all jobs
LBF1551	Duration of unemployment
Spou	se of bousebold bead
LBF1012	Employment status
person	

person

LBF401	Employment status
LBF418	Occupation
LBF4232	Hours worked in all jobs
LBF455	Duration of unemployment

EDUCATION

bousebold

nousenou	
Nun	nber of full-time students
EDN1711	- aged 15 to 20 years
EDN1712	- aged 21 to 24 years
EDN1713	- aged 25 years or more
Nun	iber of children attending
EDN171	- government pre-school
EDN172	 independent pre-school
EDN173	 government primary school
EDN174	 government secondary school
EDN176	 independent primary school
EDN177	— independent secondary school
Nun	iber of persons attending
EDN175	 – full–time tertiary studies
EDN178	— part-time tertiary studies
person	
EDN400	Student status
GROSS WE	EEKLY INCOME

INC102	Principal source of income
INC110	Household income from all sources
INC111	Household earned income
	from all sources
INC117	Per capita income for household
Hou	isebold head
INC1021	Principal source of income
INC1101	Total income from all sources

101 Total income from all Spouse of household head

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INC1102 Total income from all sources
```

GROSS WEEKLY INCOME — continued

Principal source of income
Weekly personal income from all sources
Weekly personal earned income from all sources

WEEKLY EM	IPLOYEE INCOME	
bousebold		
IWS110	Wages and salary	
	(including dependent child/ren's	
	income, leave loading,	
	selected income in-kind)	
FWS1101	Wages and salary (excluding	
	dependent child/ren's income)	
IWS111	Wages and salary	
	plus free items from employer	
IWS112	Leave loading	
	Ū.	
person		
IWS411	Wages and salary	
IWS412	Leave loading	
WEEKLY SUPERANNUATION PAYMENTS		
bousebold		
SUP110	Superannuation	
person		
SUP410	Superannuation	
WEEKLY OWN BUSINESS INCOME		
bousebold		
IBT110	Weekly household income from own business or self-employed source	
IBT1102	Weekly household income from own	
	business or self-employed source	
person		
IBT410	Weekly personal earned income from	
101410	own business or self-employed source	
WEEKLY PR	OPERTY INCOME	
bousebold		
IPI111	Interest	

IPI111	Interest
IPI112	Dividends and royalties
IPI113	Rent from properties
IPI1122	Dividends
IPI1128	Other property income
<i>person</i> IPI411	Interest

- IPI412 Dividends and royalties
- IPI413 Rent from properties Dividends IPI4122
- IPI4128 Other property income

WEEKLY GOVERNMENT PENSIONS AND		
ALLOWANCI	es	
bousebold		
INC174	Number of pensioners	
	and beneficiaries	
IGB120	Total weekly income from	
	government pensions and benefits	
IGB145	Principal source of government	
cash benefits		
Week	ly income from	
IGB121	– sickness benefit	
IGB122	— family payment	
-	(including additional family payment)	
IGB123	- veterans affairs pensions	
IGB124	- newstart / job search benefit	
IGB127	— age pension	
IGB129	— widow's pension	
IGB120	— disability support pension	
IGB131	— sole parent's pension	
IGB132	- wife's pension	
IGB133	- AUSTUDY	
IGB136	- overseas pensions and benefits	
IGB130	- carers pension	
IGB137 IGB138	- other government benefits	
100130	- other government benches	
person		
IGB420	Total weekly income from	
102120	government pensions and benefits	
IGB445	Principal source of government	
	cash benefits	
Week	ly income from	
IGB421	— sickness benefit	
IGB422	— family payment (including	
100122	additional family payment)	
IGB423	- veterans affairs pensions	
IGB424	— newstart / job search benefit	
IGB427	- age pension	
IGB429	— widow's pension	
IGB429 IGB430	— invalid pension	
IGB430	— sole parent's pension	
IGB431 IGB432	- wife's pension	
	- other government benefits	
IGB433 IGB434	- AUSTUDY	
IGB437	- carers pension	
IGB438	— overseas pensions and benefits	

REGULAR WEEKLY INCOME FROM OTHER SOURCES

bousebold

pousepoia	
IGB126	Weekly income from
	government scholarship
IOR121	Workers compensation payments
IOR122	Accident compensation
IOR126	Maintenance/alimony
IOR133	Other regular sources
IOR134	Private scholarship
person	
IGB426	Weekly income from
	government scholarship
IOS421	Workers compensation payments
IOS422	Accident compensation
IOS426	Maintenance/alimony
IOR433	Other regular sources nec
IOR434	Private scholarship

MORTGAGES AND LOANS

bousebold	
LON1101	Number of mortgages or housing loans
LON1102	Number of other property loans
LON1103	Number of personal loans

FIRST MORTGAGE OR HOUSING LOAN

bousebold	
LON11111	Main purpose of mortgage
LON1121	Type of lender
LON11311	Weekly amount of repayment
LON11321	Amount of interest
LON11331	Amount of principal paid
LON1151	Amount borrowed
LON11911	Term of loan

Also available for additional mortgage or bousing loans.

FIRST PERSONAL LOANS

Amount borrowed for loan
Purpose of loan
Term of loan

Also available for additional personal loans.

FIRST OTHER PROPERTY LOANS bousehold

LON1155Amount borrowed for loanLON11131Purpose of loanLON11931Term of loan

Also available for second other property loan.

SECTION 2 — Classifications

Number of health conditions 0='Not applicable'	CND403
Codes 1 to 8 available covering 'One up to 'Eight or more conditions'	condition'
Type of health condition	

— first	CND4201
second	CND4202
— third	CND4203
— fourth	CND4204
a	

0='Not applicable'

1='Sight problems not corrected by glasses or contact lenses'

2='Hearing problems'

3='Speech problems'

4='Blackouts, fits or loss of consciousness'

5='Learns or understands things slowly, or suffers from memory loss'

6='Limited use of arms or fingers, or has difficulty gripping things'

7='Limited use of feet or legs'

8='Nerves or emotional conditions which require treatment'

9='Any restriction on physical activity or physical work'

10='Disfigurement or deformity'

11='A mental disability which requires help or supervision'

12='Long term effects as a result of head injury, stroke or other brain damage'

13='Long term treatment or medication for a condition or ailment and is still restricted'

14='Any restriction caused by Arthritis, Asthma, Heart Disease, Alzheimer's Disease, Dementia or any other long term condition'

Severity of health conditions CND450 0='Not applicable'

1='Needs help or supervision with tasks'

2='Has difficulty with tasks'

3='Has no difficulty with tasks'

Whether needs help with	
— personal care	CND4511
— mobility	CND4512
— communications	CND4513
— education	CND4514
— employment	CND4515
0='Not applicable'	

1 = 'Yes'

2 = 'No'

Number of tasks the person needs help with 0='Not applicable'

CND452

Codes 1 to 5 available covering 'One task' up to 'Five or more tasks'

Dwelling structure 0='Not applicable' **DWE100**

1='Separate house'

Semi-detached, row or terrace bouse, town bouse:

2= · — one storey '

3=' — with two or more storeys'

4='Flat attached to house'

Flat, unit or apartment in building of: 5=' — one or two storeys'

6= ' — three storeys'

7= ' — four or more storeys'

8='Caravan'

9='Houseboat, house or flat attached to shops, etc., improvised home, campers out'

Number of bedroomsDWE1010='Not applicable'

Codes 1 to 9 available covering 'One bedroom' up to 'Nine or more bedrooms'

Tenure (Nature of occupancy) 0='Not applicable'	DWE170	State 0='Not applicable'	GEO100
1='Owner'		1='New South Wales'	
2='Purchaser'		2='Victoria'	
Renting dwelling from state or territor	V	3='Queensland'	
<i>bousing authority</i> : 3=' — Furnished'	,	4='South Australia'	
4=' Unfurnished'		5='Western Australia'	
Renting dwelling from other landlord:		6='Tasmania'	
5=' — Furnished'		7='Northern Territory'	
6=' — Unfurnished'		8='Australian Capital Territory'	
7='Living in the dwelling rent-free'	EDN400	Broad geographical area 0='Not applicable'	GEO105
0='Not applicable'	LDINHOU	1='Metropolitan'	
1='Full-time student'		2='Other urban'	
2='Part-time student'		3='Rural'	
3='Not studying'		Household type	HSH100
Number of full-time students		0='Visitor'	
aged 15 to 20 years 0='Not applicable'	EDN1711	1='Person living alone'	
1='One student'		2='Couple, no other usual resident/s'	
2='Two or more students'		3= Couple with children aged 15 or m	ore only'
Number of full-time students		4='Couple with children aged less that	n 15 only'
- aged 21 to 24 years	EDN1712	5='Couple with children'	
aged 25 years or more EDN171; 0='Not applicable'		6='One parent with children aged 15 or more	
1='One or more students'		only'	than 15
Number of children attending		7='One parent with children aged less only'	
 government pre-school independent pre-school 	EDN171 EDN172	8='One parent with children'	
 government primary school government secondary school 	EDN173 EDN174	9='Mixed families in household'	
 independent primary school independent secondary school 	EDN176 EDN177	Number of families 0='Not applicable'	HSH120
0='Not applicable'		Codes 1 to 9 available covering 'One family' up	
Codes 1 to 9 available covering 'One p to 'Nine or more persons'	erson up	to 'Nine or more families'	
Number of persons attending — full-time tertiary studies — part-time tertiary studies 0='Not applicable'	EDN175 EDN178		
Codes 1 to 9 available covering 'One p to 'Nine or more persons'	erson' up		
Expenditure items See <i>Expenditure Commodity Code List</i> in Attachment C.	EXP502		

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Family composition	HSH122
0='Not applicable'	

1='One couple with or without dependants, with or without single non-dependants, and or single other relatives'

2='One male parent with dependants, with or without single non-dependants, and or single other relatives'

3= 'One female parent with dependants, with or without single non-dependants, and or single other relatives'

4='One parent with non-dependants'

5='Related lone persons'

6='Multi-family household which contains one or more one parent families'

7='Multi-family household which does not contain a one parent family'

8='Lone person household'

9='Household containing 2 unrelated lone persons

10='Household containing 3 or more unrelated lone persons

Number of income	units	HSH130
0='Not applicable'		

Codes 1 to 5 available covering 'One family' up to 'Five or more families'

Number of males	HSH141
Number of females	HSH142
Number of non-dependent persons	HSH145
Number of dependants	· HSH146
Number of other family persons	HSH147
Number of non-family persons	HSH148
Number of retired persons	HSH150
Number of spenders	HSH153
Number of persons aged	
— under 2	HSH15101
- 2 to 4	HSH15102
- 5 to 12	HSH15103
- 13 to 14	HSH15104
— 15 to 17	HSH15105
— 18 to 19	HSH15106
- 20 to 24	HSH15107
— 25 to 44	HSH15108
- 45 to 54	HSH15109
- 55 to 59	HSH15110
- 60 to 64	HSH15111
— 65 to 74	HSH15112
— 75 or over	HSH15113
0='Not applicable'	

Codes 1 to 9 available covering 'One person' up to 'Nine or more persons'

Number of dependent child/ren including student/s aged

menualing student/s aged	
— under 4	HSH1461
— 5 to 9	HSH1462
- 10 to 12	HSH1463
- 13 to 14	HSH1464
- 15 to 16	HSH1465
— 17 to 20	HSH1466
0='Not applicable'	

Codes 1 to 9 available covering 'One person' up to 'Nine or more persons'

Number of usual residents	HSH1402
0='Not applicable'	

Codes 1 to 20 available covering 'One person' up to 'Twenty or more persons'

Household family composition	HSH159
0='Not applicable'	

1='Couple only'

Couple with' 2=' — one dependent child'

3=' - two dependent children'

4=' — three dependent children'

5=' -- four or more dependent children'

7=' --- non-dependent children only'

8=' — one dependent child and non-dependent children present'

9=' — two dependent children and non-dependent children present'

10=' -- three dependent children and non-dependent children present'

11=' — four or more dependent children and non-dependent children present'

'Other couple with' 12=' — one dependent child'

13=' - two dependent children'

14=' - three dependent children'

15=' - four or more dependent children'

16=' - no dependent children'

'One parent family with' 17=' — one dependent child'

18=' - two dependent children'

19=' - three dependent children'

20=' - four or more dependent children'

'Other one parent family with' 21=' — one dependent child'		12='Other government benefits'				
22=' — two dependent children'		13='No income'Number of employed personsLBF1700='Not applicable'				
23=' three dependent children'						
24=' - four or more dependent childre	en'	1='One person'				
26='Other one parent family household	,	2='Two persons'				
'Multiple family bousebold with'		1='Three persons'				
27=' — one dependent child'		2='Four or more persons'				
28=' - two dependent children'		Number of unemployed persons	LBF171			
29=' — three dependent children'		0='Not applicable'				
30=' - four or more dependent childre	en'	1='One person'				
31=' — without dependent children'		2='Two or more persons'				
32='Lone person household'		Employment status	LBF1011			
33='Multiple person non-family househ	old'		LBF1012 LBF401			
Principal source of	IGB145	0='Not applicable'				
government cash benefits 0='Not applicable'	IGB445	1='Employed full time'				
1='Age, disability support and wife's per	nsion'	2='Employed part time'				
0 1 1		3='Self-employed' 4='Unemployed'				
2='Sole parent pension, widow's pension)[]					
3='Newstart / Job Search allowance'		5='Not in the labour force'				
4='Sickness allowance'		Occupation	LBF1181			
5='Veteran's affairs pension'		Detailed occupation classification ava	LBF418			
6='Other cash benefits'			iiuoie			
7='Family payments'		0='Not applicable'				
8='No government benefits'		1='Managers and administrators'				
Principal source	INC102	2='Professionals'				
of income	INC1021 INC402	3='Para-professionals'				
0='Not applicable'		4='Tradespersons'				
1='Wage and salaries'		5='Clerks'				
2='Self-employed'		6='Sales persons and personal service workers'				
3='Superannuation'		-	leivoes'			
4='Investment'		7='Plant and machine operators and c	invers			
5='Other private income'		8='Labourers and related workers'				
6='Pensions'		Hours worked in all jobs	LBF1231 LBF4232			
7='Sole parents benefit'		0='Not applicable'	_			
8='Newstart / Job Search allowance'		1='35 hours or more'				
9='Sickness allowance'		2='One to 34 hours'				
10='Veteran's affairs pensions'		3='Less than one hour including no h	ours'			
11='Family payments'						
танну раушень						

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Duration of unemployment	LBF1551	4='Finance company'	
0='Not applicable'	LBF455	5='Government agency	
Codes 1 to 103 available covering 'C		(including War Service Loans)' 6='Credit Union'	
unemployed' up to '103 weeks uner	nployed'	7='Other lender'	
104=2 years or more'		Sex	PSN401
105='Never worked full-time for 2 more, but has worked'	weeks or		HSH1011
106='Has never worked'		0='Not applicable'	
Number of mortgages		1 = 'Male'	
or housing loans Number of other property loans	LON1101 LON1102	2='Female'	
Number of personal loans 0='Not applicable'	LON1103	Age	PSN402 HSH1021
Codes 1 to 9 available covering 'One	e loan' un to	0='Not applicable'	
'Nine or more loans'		Codes 15 to 99 available covering '15 up to '99 or more years'	years old'
Maximum: 3 mortgages or housing l other property loans, 4 personal loa		Marital status	PSN403 HSH1031
Main purpose of mortgage	LON11111	0='Not applicable'	nonioji
0='Not applicable'		1='Married'	
1='Household dwelling'		2='De facto'	·
2='Alteration or addition'		3='Separated'	
3='Motor vehicle'		4='Divorced'	
4='Holiday home'		5='Widowed'	
5='Farm assets'		6='Never married'	
6='Other purpose'		Country of birth	PSN404 HSH1041
7='No purpose of loan reported'	10011121		HSH1042
Purpose of other property loan 0='Not applicable'	LON11131	Detailed country classification availa	ible
1='Household dwelling (owner occu	pied)'	0='Not applicable'	
2='Motor vehicle'		1='Australia' 2='Other Oceania and Antartica'	
3='Other purpose'		3='Europe and the former USSR'	
4='No purpose of loan reported'		4='Middle East and North Africa'	
Purpose of personal loan 0='Not applicable'	LON11141	5='Southeast Asia'	
1='Motor vehicle'		6='Northeast Asia'	
2='Other purpose'		7='Southern Asia'	
3='No purpose of loan reported'		8='Northern America'	
Type of lender 0='Not applicable'	LON1121	9='South America, Central America and the Caribean'	
1='Bank'		10='Africa (excluding North Africa)'	
2='Building Society'		11='Do not know'	
3='Insurance company'			

Age	PSN405 HSH1051	Income unit type 0='Not applicable'	PSN433
0='Not applicable'	HSH1052	1='Couple with dependents'	
Codes 1 to 94 available covering '1901	'up to	2='Couple only'	
·1994'	L	3='One parent (with dependents)'	
Relationship within income unit 0='Not applicable'	PSN423	4='Lone person'	
1='Reference person'		Health care card — first	PSN4801
2='Spouse of reference person'		— second	PSN4802
3='Dependent child'		0='Not applicable'	
Relationship within household	PSN424	1='Pensioner Concession Card (PHB)'	
0='Not applicable'		2='Health Benefits Card'	
1='Reference person'		3='Health Care Card'	
2='Spouse of reference person'		4='Safety Net Concession Card'	
3='Other household member'		5='Safety Net Entitlement Card'	
Family type 0='Not applicable'	PSN432	Number of registered motor cars an motor cycles in household 0='Not applicable'	nd TRA125
1='Couple, no others'		Codes 1 to 10 available covering 'One	registered
<i>'Couple with'</i> 2=' other relatives'		vehicle' up to 'Ten or more registered	
3=' — dependent child/ren'			
4=' — dependent child/ren and other	relatives'		
5=' — dependent and non-dependent	t child/ren'		
<i>'Couple with'</i> 6=' — dependent and non-dependent and other relatives'	t child/ren		
7=' non-dependent child/ren'			
8=' non-dependent child/ren and o relatives'	other		
'O <i>ne parent with'</i> 9=' — dependent child/ren'			
10=' - dependent child/ren and othe	r relatives'		
11=' — dependent and non-depender child/ren'	nt		
12=' — dependent and non-depender child/ren and other relatives'	nt		
13=' — non-dependent child/ren'			
14=' — non-dependent child/ren and relatives'	other		
15='Related lone persons'			
16='Lone person'			

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APPENDIX C — EXPENDITURE COMMODITY CLASSIFICATION

1 Expenditure is classified according to the Expenditure Commodity Classification. There are three additive levels of detail.

- 2 These are:
- the broad level comprising 17 expenditure groups
- the medium level which breaks up the broad level groups and contains 99 groups; and
- the fine level which is the most detailed level of expenditure available comprising 426 groups.
- 3 Table 4 below summarises the hierarchy of the classification.

4

Summary of Expenditure Commodity Classification

	Broad expenditure group	Medium level expenditure group codes	Fine level expenditure codes
EXP 01	Current housing costs (selected dwelling)	1 to 6	101 to 109
EXP 02	Fuel and power	7 to 9	121 to 129
EXP 03	Food and non-alcoholic beverages	10 to 47	151 to 240
EXP 04	Alcoholic beverages	48 to 51	261 to 272
EXP 05	Торассо	52	281 to 283
EXP 06	Clothing and footwear	53 to 58	301 to 341
EXP 07	Household furnishings and equipment	59 to 63	351 to 389
EXP 08	Household services and operation	64 to 69	401 to 431
EXP 09	Medical care and health expenses	70 to 73	451 to 471
EXP 10	Transport	74 to 80	501 to 535
EXP 11	Recreation	81 to 88	551 to 640
EXP 12	Personal care	89 to 90	661 to 669
EXP 13	Miscellaneous goods and services	91 to 95	701 to 736
EXP 14	Income tax	96	751
EXP 15	Mortgage repayments Principal (selected dwelling)	97	752
EXP 16	Other capital housing costs	98	753 to 762
EXP 17	Superannuation and life insurance	99	771 to 772

4 The full Expenditure Commodity Classification, showing all three levels of classification, is shown overleaf. A full description of the goods and services included in each of the fine level expenditure groups is available on request. For an explanation of the references to RSE and factor line, please see appendix D.

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
EXP 01 Current housing	costs (selected dwelling)	1.6	D
1 Rent payments	101 Post survey	2.7	E
	101 Rent payments	2.7	Е
2 Mortgage payments — interest		4.8	D
	102 Mortgage payments — interest component	4.8	D
3 Rate payments			_
	103 Water and sewerage rates	1.3 1.6	E E
	104 General rates	1.4	E
4 House and contents			
insurance		2.1	с
	105 House and contents insurance	2.1	č
5 Repairs and maintenance			
payments		5.8	D
	106 Repairs and maintenance payments to contractors		
	(materials and labour) 107 Repairs and maintenance — materials only	8.2	D
	107 Repairs and maintenance — materials only	6.6	D
6 Other current housing			
costs	108 Internet annual	7.5	D
	108 Interest payments — loans for alterations and additions	11.1	D
	109 Body corporate payments	9.4	D
EXP 02 Fuel and power		1.1	D
7 Electricity		0.9	E
	121 Electricity (selected dwelling)	0.9	E
	122 Electricity (other property)	12.2	D
B Gas		2.2	F
	123 Mains gas	2.3	F
	125 Bottled gas	7.5	D
9 Other fuels		5.1	E
	126 Heating oil	11.7	D
	127 Kerosene and paraffin	36.6	Α
	128 Wood for fuel 129 Other fuels n.e.c.	6.0 16.7	E
		16.7	D
EXP 03 Food and non-alc	oholic beverages	0.9	D
LO Bread		10	F
	151 Bread — home delivered	1.2 41.2	E A
	152 Bread — not home delivered	1.2	Ē
1 Flour		2.0	-
	153 Flour	3.8 3.8	E
	153 Flour	3.8	E

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Broad & Medium	Fine level	RSE (%) for	Facto
expenditure groups	expenditure groups	Australia	line
12 Cakes, Biscuits, puddings		1.4	E
	154 Cakes, tarts, puddings (fresh or frozen)	2.0	Е
	155 Biscuits	1.7	ε
	156 Cake, biscuit, pudding and bread mixes	4.8	Ε
13 Breakfast and other			
cereals		1.7	E
Cereais	157 Breakfast cereals	1.9	£
	158 Pasta (spaghetti, noodles, etc.)	2.9	E
	159 Rice	5.8	D
	160 Other cereals	9.1	D
	 Subtotal : Bakery products, flour and other cereals (1 		U
	• Subtotal : bakery products, nour and other cereals (1	<i>)</i> 100 <i>)</i>	
14 Processed meat (including ham, bacon			
and sausages)		1.5	E
	161 Ham	3.5	D
	162 Bacon	3.1	E
	163 Canned meat (other than bacon and ham)	10.5	D
	164 Sausages (not continental)	3.5	D
	165 Processed meat (frozen)	8.0	E
	166 Processed meat (not frozen or canned)	1.8	E
15 Beef and veal		2.9	D
	167 Beef and veal	2.9	D
16 Mutton and lamb		2.8	E
	168 Mutton and lamb	2.8	E
17 Pork		3.1	Е
	169 Pork (excluding bacon and ham)	3.1	F
		· · ·	-
18 Poultry and game		2.0	F
	170 Poultry	2.0	F
	171 Game	20.6	С
19 Other meat and meat			
undefined		5.2	5
	172 Offal	5.8	Ε
	173 Meat (not processed) n.e.c.	10.2	E
	174 Meat undefined	6.1	D
20 Fish and other seafood		3.2	D
	175 Fresh fish and other fresh seafood	4.6	Ē
	176 Frozen fish and other frozen seafood 177 Canned and bottled fish, and other canned and	5.1	E
	bottled seafood	2.9	E
	178 Processed fish and other processed seafood n.e.c.	12.0	D
	 Subtotal : Meat and fish (161 to 178) 		
21 Fresh eggs		2.0	E
4	180 Fresh eggs	2.0	E
22 Fresh milk and cream	101 French will and survey have 1 to and	1.3	E
	181 Fresh milk and cream — home delivered	10.7	C
	182 Fresh milk and cream — not home delivered	1.3	E

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Fac line
23 Cheese		1.6	
	183 Cheese	1.6	E E
24 Butter		3.1	E
	184 Butter	3.1	E
25 Other dairy products		2.8	E
	185 Powdered milk186 Dairy products and eggs n.e.c.	11.1 2.9	C E
26 Margarine		2.0	E
U	187 Margarine	2.0	E
27 Edible oils and fats			
n.e.c.	188 Edible oils and fats n.e.c.	3.9	E
	 Subtotal : Dairy products, edible oils and fats 	3.9 (180 to 188)	E
20 Erech fruit		(100 10 100)	
28. Fresh fruit	189 Fresh citrus fruit	2.0	D
	190 Fresh stone fruit	2.6	E
	191 Fresh apples and pears	5.1 2.1	E E
	192 Fresh fruit n.e.c.	1.9	E
	193 Fresh fruit undefined	8.0	C
29 Canned, frozen and			
bottled fruit		3.0	Е
	194 Canned, frozen and bottled fruit	3.0	Ε
30 Dried fruit and nuts		2.9	E
	195 Dried fruit	3.7	Ε
	197 Nuts	3.5	Ε
1 Fresh potatoes	•	1.9	E
	198 Fresh potatoes	1.9	Е
2 Other fresh vegetables		1.4	E
	199 Fresh onions	2.5	Ε
	200 Fresh root vegetables n.e.c. 201 Fresh tomatoes	2.1	E
	201 Fresh vegetables n.e.c.	2.6	D
	203 Fresh vegetables undefined	1.6 4.7	E E
3 Frozen vegetables	· · · · · · · · · · · · · · · · · · ·	2.6	E
-	204 Frozen vegetables	2.6	E
4 Other processed vegetables and			
vegetables undefined	205 Other processed vegetables	2.9 2.5	D E
	206 Vegetables undefinedSubtotal : Fruit and vegetables (189 to 206)	14.9	D
·	$=$ 000000 \cdot 1100 and vegetables (109 to 200)		
5 Sugar	207 Sugar	2.5	Ē
	av / Sugar	2.5	ε

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Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
36 Syrups, honey, jams and jellies		2.1	F
and jenies	208 Marmalades, jams and conserves	3.0	F
	209 Honey	4.7	Ε
	210 Syrups	12.6	D
	211 Jellies and desserts n.e.c.	4.4	Ε
37 Potato crisps and other			_
savoury confectionery		2.2	E
	212 Potato crisps and other savoury confectionery	2.2	E
38 Chocolate confectionery		2.5	E
	213 Chocolate confectionery	2.5	E
39 Ice and other			
confectionery		1.8	E
	214 Ice confectionery (including ice cream)	2.1	Ε
	215 Other Confectionery	2.3	E
40 Tea (packaged)		2.3	F
	216 Tea (packaged)	2.3	F
41 Coffee (packaged)		2.5	ε
	217 Coffee (packaged)	2.5	Ε
42 Other food drinks		3.5	D
	218 Canned and packeted soup	3.2	Ē
	219 Proprietary food drinks n.e.c.	6.5	C
43 Other food and food			
undefined		2.9	D
andonnou	220 Spices and herbs	5.1	D
	221 Sauces and salad dressings	2.2	Ε
	222 Spreads and mixes n.e.c.	3.4	D
	223 Food additives n.e.c.	3.1	E
	224 Baked beans and canned spaghetti	4.3	Ç
	225 Canned and bottled baby foods	10.7	D
	226 Frozen prepared meals	3.5 3.1	E E
	227 Prepared meals n.e.c.	9.2	D
	229 Food n.e.c. 230 Food undefined	5.9	ε
	 Subtotal : Miscellaneous food (207 to 230) 		
44 Soft drinks and aerated			
waters		1.8	Е
hato, o	231 Soft drinks and aerated waters	1.8	E
45 Fruit and vegetable juice		1.9	Ε
	232 Fruit juice	2.0	E
	233 Vegetable juice	11.9	D
	234 Juices undefined	4.5	F
46 Other non-alcoholic			
beverages		2.6	Ε
2	235 Cordials	3.1	Е
	236 Milk based beverages, not packaged/boxed, n.e.c.	5.0	E
	237 Non-alcoholic beverages undefined	4.2	E
	 Subtotal : Non-alcoholic beverages (231 to 237) 		

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Broad & Medium	Fine level	for	Fac
expenditure groups	expenditure groups	Australia	line
7 Meals out and			
take-away foods		1.9	D
	238 Meals in restaurants, hotels, clubs, etc.	2.7	D
	239 Snacks, take-away foods (not frozen)	1.6	Ε
	240 School lunch money	8.0	Ε
XP 04 Alcoholic bever	rages	. 2.0	F
8 Beer		2.4	F
	261 Beer for consumption off licensed premises	2.4 3.1	E
	262 Beer for consumption on licensed premises	3.3	F
	263 Beer undefined	22.3	ċ
9 Wine		4.0	Е
	264 Wine for consumption off licensed premises	4.5	Ε
	265 Wine for consumption on licensed premises	6.0	Ε
	266 Wine undefined	20.6	С
0 Calific			
0 Spirits	267 Spirite for communication of the second	4.6	E ·
	267 Spirits for consumption off licensed premises	4.6	F
	268 Spirits for consumption on licensed premises 269 Spirits undefined	7.5	D
	209 Spirits undernied	57.6	Α.
1 Other alcoholic			
beverages		6.2	Е
	270 Alcoholic beverages n.e.c. for consumption off		
	licensed premises	16.1	D
	271 Alcoholic beverages n.e.c. for consumption on		
	licensed premises	17.3	С
	272 Alcoholic beverages undefined	7.0	Ε
XP 05 Tobacco		2.7	Е
· · ·			
2 Tobacco		2.7	Е
	281 Cigarettes	2.8	Ε
	282 Other tobacco	12.4	С
	283 Other tobacco products	28.1	Α
XP 06 Clothing and fo	otwear	2.8	D
3 Men's clothing		5.3	E
_	301 Suits	29.8	8
	302 Coats	28.2	в
	303 Trousers (excluding jeans)	10.1	D
	304 Jeans	17.2	С
	305 Cardigans, jumpers, sweaters and pullovers	13.4	D
	306 Shirts	6.9	Е
	307 Singlets, underpants and briefs	10.5	D
	308 Sleepwear	19.9	C
	309 Men's other clothing 310 Men's clothing undefined	13.3	C
	Jao men s cionnig undeinieu	28.5	В

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
54 Women's clothing		5.2	С
J- momento oleaning	311 Trousers (excluding jeans), skirts, dresses and suits	10.4	В
	312 Jeans	15.0	D
	313 Coats	16.1	С
	314 Cardigans, jumpers, pullovers, sweaters,		
	twinsets etc.	8.2	Ε
	315 Foundation garments	11.4	D
	316 Singlets, spencers, slips, petticoats, briefs and		
	underpants	8.6	D
	317 Sleepwear	12.7	D
	318 Women's other clothing	5.1	Е
	319 Women's clothing undefined	13.2	D
	J17 women's clouming undermed		
55 Children's and infants'			_
clothing		5.0	E
-	320 Boys' singlets, underpants, briefs and sleepwear	17.4	С
	321 Boys' other clothing	10.1	D
	322 Girls' singlets, spencers, slips, petticoats, briefs,		
	underpants and sleepwear	14.4	D
·	323 Girls' other clothing	9.7	D
	324 Infants' clothing	10.0	D
	325 Children's clothing undefined	9.8	D
56 Headwear, hosiery, clothing accessories and clothing materials	 326 Men's hosiery 327 Women's hosiery 328 Children's and infants' hosiery 329 Hats and other headwear 330 Clothing accessories (e.g. ties, gloves, handkerchiefs) 331 Clothing materials 332 Haberdashery 333 Clothing n.e.c. and undefined 	3.7 6.0 4.7 9.2 10.4 7.7 9.4 7.0 5.5	E E E D E D E E
57 Footwear		4.1	Ε
	334 Men's footwear	8.5	Е
	335 Women's footwear	6.3	E
	336 Children's and infants' footwear	9.3	D
	337 Footwear undefined	7.8	Ε
58 Clothing and footwear services		6.9	D
	338 Dry cleaning and laundering of clothes	5.8	E
	339 Clothing repairs	34.0	A
		14.2	D
	340 Footwear repairs 341 Hire of clothing and footwear	34.3	8

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Facto line
EXP 07 Household furnis		3.1	E
59 Furniture and floor			
coverings		5.1	£
- .	351 Kitchen furniture	11.9	D.
•	352 Bedroom furniture	6.8	E
	353 Lounge/dining room furniture	7.8	E
	354 Outdoor/garden furniture	15.8	в
	355 Other furniture	10.7	D
:	356 Carpets	17.5	С
•	357 Floor rugs, mats and matting	18.9	8
	358 Vinyl and other sheet floor coverings 359 Floor tiles	27.7	В
	339 Floor dies	25.6	в
50 Blankets, travelling rugs, household linen and			
household furnishings		5.7	D
	360 Bed linen	10.8	D
	361 Blankets and travelling rugs	23.0	С
	362 Bed spreads and continental quilts	13.7	D
	363 Pillows and cushions	15.6	С
	364 Towels and face washers 365 Table and kitchen linen	8.4	E
	366 Curtains	10.5	D
	367 Blinds	31.5	A
	368 Other household textiles	25.2 12.3	C D
	369 Paintings, carvings and sculptures	26.6	B
•	370 Other furnishings and ornaments	6.9	D
.			
1 Household appliances		4.9	Ε
	371 Cooking stoves, ovens, hot plates and ranges	12.4	D
	372 Refrigerators and freezers	9.1	D
	373 Washing machines	7.5	ε
	374 Air-conditioners 375 Dishwashers	17.0	D
· · · ·	376 Clothes dryers	22.7	C
	377 Other electrical household appliances	16.0	D
	(including answering machines)	11.0	•
	378 Other non-electrical household appliances	11.8 30.4	C B
	······································	00.1	5
2 Glassware, tableware			
and household utensils		5.6	D
	380 Tableware (e.g. crockery)	10.8	C
	381 Glassware	15.5	D
	382 Cutlery	27.1	в
	383 Cooking utensils	14.2	С
	384 Cleaning utensils 385 Kitchen utensils n.e.c.	5.1	E
	585 Kitchen utensis n.e.c.	7.4	D
3 Tools, other household			
durables undefined		8.2	С
	386 Lawnmower (including electric)	37.2	А
	387 Gardening tools	13.2	С
	388 Other tools	14.5	В
	389 Household durables n.e.c. & undefined		
	(including telecommunication equipment)	10.5	

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Broad & Medium expenditure groups	-	level Inditure groups	RSE (%) for Australia	Factor line
EXP 08 Household services	and	operation	1.3	E
64 Household non-durables			1.6	E
	401	Nails, screws and other fasteners	9.1	D
		Household soaps and detergents	2.1	Ē
		Household polishes	7.8	Ē
	404 (Other household cleaning agents Paper products	2.8	E
		(tissue paper, serviettes, toilet paper)	2.7	D
		Trees, shrubs and plants	5.2	Е
		Gardening products n.e.c.	7.8	D
	408 5	Swimming pool chemicals Household non-durables n.e.c.	16.8	Ċ
		(including food wraps)	2.6	D
		Household non-durables undefined	6.8	E
65 Postal charges			4.6	D
	411 F	Postal charges	4.6	D
66 Telephone and telegram				_
charges	(10.7	TIN 1.1 1	1.2	E
	412 1	Telephone and telegram charges	1.2	E
67 Household services			6.9	D
	413 E	Pest control services	12.6	c
	414 (Gardening and private rubbish removal services Housekeeping and cleaning services	10.6	C
	((including ironing)	10.9	D
		Household services n.e.c.	30.9	В
68 Child care services			8.6	D
		Child care services — institution		
		(including pre year 1 education)	9.9	D
		Child care services n.e.c. Child care services undefined	13.6 24.9	D C
69 Household hire and				
maintenance expenses				_
n.e.c.	10-		4.7	E
		Carpet cleaning	6.6	E
		Repair and maintenance of soft furnishings	20.6	C
		Repair and maintenance of household appliances	5.9	E
	426 H	Repair and maintenance of tools Repair and maintenance of household durables n.e.c.		D
		and undefined	27.1	B
		Hire of tools	29.3	B
		Hire of household durables n.e.c.	19.4	C
	4 31 I	Household appliance repairs insurance	16.3	С

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	· Factor line
EXP 09 Medical care and		1.6	Ε
	·		
70 Accident and health			
insurance		1.7	F
	451 Hospital, medical and dental insurance	1.7	F
	452 Ambulance insurance (separate insurance)	2.9	E
	453 Sickness and personal accident insurance	7.7	D
71 Practitioner's fees		3.3	Е
	454 General practitioner doctor's fees	4.7	D'
	455 Specialist doctor's fees	10.9	В
	456 Dental charges	5.4	E
	457 Optician's fees (including spectacles)	6.2	Е
	458 Practitioner's fees n.e.c.		
	(including Physiotherapy and Chiropractic fees)	6.8	D
72 Medicines,			
pharmaceutical			
products, therapeutic		2.4	Е
	459 Prescriptions appliances and equipment 460 Proprietary pain relievers	3.9	E
	(powders, tablets, liquids etc.)	3.9	E
	461 Proprietary ointments and lotions	4.9	Е
	462 Proprietary medicines n.e.c.	3.9	Е
	463 Creams, tablets and medicine undefined	5.7	F
	464 Surgical dressings	8.3	С
	465 Therapeutic appliances and equipment	35.6	Α
	466 Pharmaceutical products n.e.c.	17.1	С
	467 Medicines, pharmaceutical products undefined	13.4	D
73 Other health charges		14.5	С
	468 Hospital charges	15.6	С
	469 Health charges n.e.c.	36.5	Α
	471 Hire of therapeutic appliances	61.0	Α
· · · ·			
EXP 10 Transport		3.7	в
74 Motor vehicle purchase	CO1 Developer of second shirts	6.6	D
	501 Purchase of motor vehicle		_
	(other than motor cycle)	6.7	D
	502 Purchase of motor cycle	6.7	D
75 Other vehicle purchase		42.6	A
	503 Purchase of caravan (other than selected dwelling)	63.5	A
	504 Purchase of trailer	37.1	Α
	505 Purchase of bicycle	17.7	С
76 Motor vehicle fuel,			
lubricants and additives		1.4	E
	506 Petrol	1.5	E
	507 Diesel fuel	12.1	D
•	508 LPG and other gas fuels	9.6	E
	509 Oils, lubricants and additives	5.9	Е

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
77 Vehicle registration and insurance		4.0	A
	510 Compulsory registration and insurance of motor vehicle (other than motor cycle)511 Other insurance of motor vehicle	1.3	D
	(other than motor cycle) 512 Compulsory registration and insurance of motor	1.4	Ε
	cycle, caravan or trailer 513 Other insurance of motor cycle, caravan or trailer	6.4 23.4	D A
78 Other running expenses of vehicles		4.6	D
Of Verneies	514 Batteries	14.6	D
	515 Tyres and tubes	2.6	Ε
	516 Motor vehicle electrical accessories (purchased		
	separately) (including communications equipment)	23.5	С
	517 Vehicle parts n.e.c. (purchased separately)	10.9	С
	518 Vehicle accessories n.e.c. (purchased separately)	16.6	В
	519 Crash repairs	9.9	C
	520 Vehicle servicing (including parts and labour)	7.8	Ð
	521 Drivers licence	2.6	Е
	522 Parking fees	5.5	Е
	523 Driving lessons	22.1	С
	524 Subscription to motor organisations	11.9	Ε
	525 Vehicle hire and leasing expenses (non-holiday)	34.0	Α
	526 Vehicle charges including hire of accessories n.e.c.	10.6	С
70 Dublic transport force		4.1	E
79 Public transport fares	527 Deil forme	4.1 6.5	E
	527 Rail fares 528 Bus and tram fares	6.1	D
		21.5	c
	529 Water transport fares 530 Combined bus/tram/rail/ferry fares	14.8	D
	531 Public transport fares undefined	21.7	c
80 Other fare and freight charges		9.7	с
Charges	532 Taxi fares (excluding holiday fares)	5.4	E
	533 Air fares	27.3	в
	534 Removalist fees	20.6	в
	535 Freight charges n.e.c.	44.6	A
EXP 11 Recreation		2.3	D
81 Television and other		4.4	ε
audio-visual equipment	551 Television	7.5	E
	552 Television aerial	26.2	Ċ
	553 Radio/stereo/hi–fi equipment		
	(including compact disc player)	8.9	D
	554 Video cassette recorder & equipment	-	
	(including video camera)	12.4	С
	555 Home computer equipment & software	11.9	D
	556 TV games	26.0	B
	557 Blank video cassettes	9.7	D
	558 Pre-recorded video cassettes or discs	9.5	Ε
	559 Compact Discs and Records (audio)	7.7	D
	560 Audio-cassettes and tapes	8.2	E
	561 Electronic components n.e.c. and undefined	17.8	С

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Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
82 Books, newspapers, magazines and other		/lusuullu	
printed material	563 Books	2.4 4.6	E E
	564 Newspapers	0.0	-
	(excl. specialist newspaper type magazines) 565 Magazines and comics	2.3 3.2	E E
	566 Other printed material	28.3	A
83 Other recreational			_
equipment	567 Photographic equipment	6.6	C
	568 Photographic film and chemicals	25.8	В
	(including developing) 569 Sunglasses (excluding optical)	4.5	F
	570 Optical goods n.e.c.	13.3 62.3	D
	571 Studio and other professional photography	13.5	A D
	572 Musical instruments and accessories	41.0	A
	573 Purchase of boat	38.8	A
	574 Boat parts and accessories	49.8	A
	576 Toys	7.3	D
	577 Camping equipment	26.1	В
	578 Sport equipment n.e.c. 579 Recreational equipment n.e.c.	13.9	В
	(including above ground pools)	10.1	С
84 Gambling		2.9	A
	580 Lottery tickets581 Lotto type games and instant lotteries	10.0	D
	(scratch cards)	6.7	В
	582 TAB, on course betting, etc.	31.8	A
	583 Poker machines and ticket machines 584 Blackjack, roulette and other casino–type games	13.4	C
	585 Gambling n.e.c.	39.9 16.5	A A
	586 Gambling undefined	37.0	A
85 Entertainment and			
recreational services		2.6	Е
	587 Hire of television	18.1	D
	588 Hire of video cassette recorder	27.4	В
	589 Hire of video cassette tapes and TV games	3.6	E
	590 Membership of video cassette library 591 Repairs to audio-visual equipment	78.1	A
	592 Repair insurance for audio-visual equipment	16.7 8.6	D E
	593 Repair of optical and photographic equipment	50.6	A
	594 Repair of sports equipment	34.1	В
	595 Repair of other recreational equipment	40.2	Ā
	596 Registration and insurance of boat	10.6	D
	597 Health and fitness studio charges	18.5	В
	598 Sporting club subscriptions	15.9	С
	599 Squash court hire charges	14.0	D
	600 Ten pin bowling charges 601 Skiing fees/fares	14.6 42.5	C
	602 Green fees (golf, bowls, croquet, etc.)	42.5	A
	603 Sports lessons	7.0 11.6	E D
	604 Sports equipment hire	22.4	В
	605 Hire of other recreational equipment	29.7	В
	606 Sports services charges n.e.c.	7.3	D
	607 Spectator admission fees to sport	12.0	c
	608 Cinema admission charges	4.8	Ĕ
	609 Live theatre admission charges	7.8	E

Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
85 Entertainment and recreational services			
— continued	610 Admission fees/cover charges	2.6	E
	610 Admission fees/cover charges (dances, night clubs, etc.)	7.1	Е
	611 National park and zoo fees	14.2	D
	612 Art gallery and museum fees	12.7	D
	613 Day trips and other excursions n.e.c.	14.3	С
	614 Amusement arcade machines	12.1	D
	615 Club and association subscriptions		
	(excluding sports clubs)	10.5	C E
	616 Cultural and other non-sporting lessons 617 Entertainment and recreation charges n.e.c. and	6.5	E
	undefined	7.2	D
86 Animal expenses		4.7	D
	619 Animal purchases	34.6	Ā
	620 Animal food	4.7	В
	621 Veterinary charges	11.3	D
	622 Animal minding charges	39.7	A
	623 Animal expenses and charges n.e.c.	8.7	D
87 Holidays — Australia		5.0	<u> </u>
(selected expenses)	624 Holiday oir fares Australia	5.2 12.6	D
	624 Holiday air fares — Australia 625 Holiday rail fares — Australia	20.2	B C
	626 Holiday bus fares — Australia	21.7	В
	627 Other fares — Australia (including vehicle hire)	19.1	c
	628 Holiday petrol — Australia	8.2	D
	629 Holiday motel/hotel charges — Australia	7.4	E
	630 Holiday flat/house charges Australia	10.7	E
	631 Caravan park fees/hire of caravan — Australia 632 Other accommodation charges — Australia	10.1 18.0	E D
	633 Airfare inclusive package tours — Australia	12.7	D
	634 Other package tours — Australia	21.0	C
88 Holidays overseas			
(selected expenses)		5.1	E
-	635 Holiday fares overseas — air	6.1	Ε
	636 Holiday fares overseas — other	25.5	В
	637 Holiday accommodation overseas — hotel/motel	16.4	B
	638 Holiday accommodation overseas — other 639 Airfare inclusive package tour overseas	22.7 7.8	C E
	640 Other package tour overseas	19.6	D
EVD 12 Personal agro		25	5
EXP 12 Personal care		2.5	D
89 Toiletries and cosmetics	661 Toothpaste, toothbrushes and other oral hygiene	2.7	D
	products	2.8	E
	662 Toilet soap	2.9	E
	663 Talcum powders and deodorants	3.5	E
	664 Toiletries and cosmetics n.e.c. 665 Shavers, hairdryers and other personal toiletry	3.6	D
	products	, 5.2	Е
	p.oouen	J.2	-

		RSE (%)	
Broad & Medium	Fine level	for	Factor
expenditure groups	expenditure groups	Australia	line
90 Hair dressing and			
beauty services		3.8	D
	666 Hair services (male)		D
	667 Hair services (female)	4.8 4.8	E
	668 Hair services undefined		E
	669 Personal care services n.e.c.	6.1	E
	oby reisonal care services n.e.c.	12.3	C
EXP 13 Miscellaneous go	ods and services	2.5	E
91 Miscellaneous goods			_
	701 Watches and clocks	3.5	D
		11.4	E
	702 Jewellery n.e.c.	8.9	D
	703 Travel goods, handbags, umbrellas, wallets, etc.	11.3	C
	704 Pens, paper, and stationery	2.8	E
	705 Stationary equipment n.e.c.	5.4	E
	706 Ice	11.8	D
	707 Miscellaneous commodities n.e.c.	4.3	E
92 Interest payments on selected credit services (excluding mortgage payments for selected			
dwellings)		6.5	D
	708 Interest payments on fixed term loans and		
	mortgages for other property 709 Interest payments on credit card purchases	8.5	D
	(goods and services)	4.5	F
	710 Interest payments on credit card cash advances	4.5 10.6	E D
93 Education fees		6.1	D
	711 Primary school fees (government)	7.6	D
	712 Primary school fees (independent)	9.4	D
	713 Secondary school fees (government)	7.2	D
	714 Secondary school fees (independent)	10.3	D
	715 Tertiary education fees (including HECS payments)		
· · ·	715 fertiary education lees (including fields payments) 716 Fees paid to other educational institutions	12.7	B
	716 Fees paid to other educational institutions 717 Private education tuition fees	11.5	C
	/1/ Private education tuition fees	26.1	В
94 Payments for other			
property		11.7	с
	718 General council rates — other property	18.3	Α
	719 Other payments — other property		
	(including rent, body corporate and insurance)	13.3	С
95 Miscellaneous services		4.1	D
	720 Government duties and charges separately identified	5.5	В
	721 Financial institution charges n.e.c.	40.7	Α
	722 Alimony or maintenance payments	21.4	В
	723 Cash gifts, donations to charity	6.7	D
	724 Pocket money or allowance	8.1	D
	725 Union dues, professional association subscriptions	8.9	С
	726 Legal fees 727 Fees n.e.c.	41.2	A
	(including Accountants and Tax Agents fees)	7.2	D
	728 Fines	16.5	c
	729 Personal belongings insurance	10.5	c
	731 Personal advertising, etc.	14.1	D
	732 Non-holiday accommodation	22.8	
		22.0	В

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Broad & Medium expenditure groups	Fine level expenditure groups	RSE (%) for Australia	Factor line
95 Miscellaneous services			
- continued		4.1	D
	734 Repair of miscellaneous goods 735 Miscellaneous services n.e.c.	20.1	В
	(including travel insurance)	8.4	С
	736 State Deficit Levy (Victoria only)	18.5	В
	• Total Consumption Expenditure EXP 01 To EXP 13	1.2	С
SELECTED OTHER PAYMENT	S		
EXP 14 Income tax		2.0	в
		2.0	р
96 Income tax	751 Income tax	2.0 2.0	B B
	/ fincome tax	2.0	В
EXP 15 Mortgage repaymer	nts — principal (selected dwelling)	8.0	в
97 Mortgage repayments			
— principal		8.0	В
	752 Mortgage repayments — principal		
	(selected dwelling)	8.0	В
EXP 16 Other capital housi	ng costs	18.8	В
98 Other capital housing			
costs		18.8	в
00000	753 Principal component of mortgage repayment for		_
	other property	20.1	В
	754 Purchase of selected dwelling or other property		
	(excluding mortgage repayments but including		
	outright purchase, deposit, net of sales)	46.8	A
	755 Additions/extensions	13.8 11.6	D C
	756 Internal renovations 757 Insulation	19.0	В
	758 Inground swimming pool	33.2	A
	759 Outside building	12.7	С
	760 Landscape contractor	18.1	С
	761 Outside improvements n.e.c.	11.1	С
	762 Other capital housing costs n.e.c.	41.4	A
EXP 17 Superannuation and	d life insurance	3.5	D
99 Superannuation and life			_
insurance	771 Suppression and an articles	3.5	D
	771 Superannuation and annuities 772 Life insurance	4.4 4.1	C E

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APPENDIX D — TECHNICAL NOTE ON SAMPLING VARIABILITY

1 The HES estimates are based on a sample of possible observations. Hence, they are subject to sampling variability and estimates may differ from the figures that would have been produced if information had been collected for all households.

2 A measure of sampling variability, and the extent to which an estimate may vary from the true figure, is the standard error (often abbreviated to SE). The standard error measures the likely difference between an estimate based on a sample and a true estimate that would have been derived had all the population households been enumerated. There are two major factors which influence a standard error: first is the sample size, whereby the larger the sample size, the more accurate the estimate and the smaller the standard error. Thus we expect more accurate estimates at the Australia level than at state level due to the larger sample size involved.

The second is the variability of item values between households. If 3 the reported values for all households are similar, then the likely difference between the estimate based on a sample and the true figure is small and this is reflected by a small standard error. For example, the standard error for weekly expenditure on bread is very low relative to the estimated expenditure, because most households have reported expenditures of a similar value. Estimates of average expenditure on bread produced from the HES are therefore considered to be very reliable. Standard errors for the purchase of motor cycles are, however, quite high relative to average expenditure, reflecting the fact that despite the longer recall period, households reported highly variable values for expenditure on motor cycles (many reported no expenditure, while a small number reported high amounts). HES estimates of motor cycle expenditure are therefore less reliable and therefore subject to higher relative standard error.

4 There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all households had been enumerated, and about nineteen chances in twenty that the difference will be less than two standard errors.

5 The relative standard error (RSE) is the standard error expressed as a percentage of the estimate. Only estimates with relative standard errors of 25% or less are considered sufficiently reliable for most purposes. However, estimates with higher relative standard errors are included in some HES publications, because they are the best estimates available. Such estimates should be treated with caution.

CALCULATING RELATIVE STANDARD ERRORS

6 The ABS has calculated the relative standard errors for a variety of the estimates shown in the publication, using a technique known as split-halves. Regression models were then fitted to the relative standard errors that had been calculated using the split-halves technique, to smooth the results, and to summarise them into a form which is concise enough to publish. The outcome of this work is published in the appendix of each HES publication, where data are provided to enable relative standard errors to be calculated for each estimate shown in the publication. Appendix C shows the relative standard error for each commodity item, at the Australian level. Table 5 on the next page shows the relative standard error for each household characteristic, at the Australian level. 5

1993–94 HOUSEHOLD EXPENDITURE SURVEY RELATIVE STANDARD ERRORS (%) OF ESTIMATES AT THE AUSTRALIA LEVEL AND FACTOR LINES NEEDED TO DERIVE ESTIMATES AT THE LOWER LEVEL

, ,	Relative standard error (%) for Australia	Factor line
HOUSEHOLD CHARACT	ERISTICS	
Average weekly household income		
Not categorised by quintile	1.2	E
First quintile	0.4	F
Second quintile	0.1	Е
Third quintile	0.1	Ε
Fourth quintile	0.1	E
Fifth quintile	0.4	С
Source of income (% of total income)		
Weekly employee income	1.6	D
Weekly own business income	9.1	В
Weekly government pensions and benefits income	1.8	E
Weekly income from other sources	5.5	С
Total weekly income from all sources	0.8	A
Average age of reference person	0.5	E
Average number of persons per household	0.5	L
Under 18 years old	2.6	F
18 to 64 years old	1.3	F
64 years old and over	3.2	F
Tenure type (% of households)	0.2	•
Owners	1.8	F
Purchasers	2.5	Ė
Renters from state or territory housing authority	5.5	Ē
Renters – other	3.3	Ĕ
Rent-free	8.6	Ē
Average number of employed persons in the household		-
	1.6	F
Household composition (% of households)	.	_
Couples only	2.4	F
Couples with dependent children only	2.6	F
Couple – other	4.0	F
One parent one family	5.7	Ε
Lone person	2.9	F
Other Estimated symbols of howeeholds (1000)	4.0	F
Estimated number of households ('000)		-
Metropolitan areas	1.0	F
Other urban areas	3.3	F
Rural areas	2.1	F
Estimated total number in population ('000)	4.0	_
Households	1.0	F
Persons	1.3	F

7 To obtain the relative standard error for an estimate at any other level (e.g. for a state, or for an income quintile) the value in table 5, or appendix C as appropriate, must be adjusted to take account of the smaller size of the sample contributing to that particular estimate. Because the sample size is smaller, the relative standard error will be larger. The first step in making this adjustment is to look up the number of sampled households contributing to the estimate for the item; The 'Number of households in sample' from a particular state, or income quintile, which will be shown in the same table which contains the estimate of interest.

8 The relative standard errors for an estimate can be calculated by multiplying the relative standard error for the item at the Australian level (found directly from table 5 or appendix C), by an adjustment factor (found from figure 2 at the back of this appendix) which compensates for the smaller sample size.

9 In theory, each different item requires a different adjustment factor. However, to prevent figure 2 from becoming illegible, the items have been formed into 6 groups (labelled A - F). Within each group of items, the theoretical adjustment factors are similar enough that a common adjustment factor can be used in practice. Table 5 indicates the group to which each household characteristic belongs. Appendix C indicates the group to which each commodity item belongs.

10 Figure 2 plots the adjustment factor for each of these 6 groups (A - F) of items, against sample size. The adjustment factor for a particular estimate can be read off this graph, once the sample size contributing to the estimate, and the group to which the item belongs have been determined. In brief, the procedure for calculating relative standard errors for a particular estimate is as follows:

- (i) from tables containing estimates in the relevant publication, look up the number of sampled households contributing to the estimate for the item;
- (ii) using table 5 or appendix C, look up the Australian relative standard error, R, for that item and the letter of the factor line corresponding to the item;
- (iii) using the factor line graph, read off the value, FCT for the number of sampled households for the particular commodity item;
- (iv) the relative standard error is calculated using the following equation:

 $RSE = FCT \times R\%$

where,

R = the relative standard error of the estimate for Australia and is given in table 5 or appendix C; and FCT = a factor based on the number of sampled households and is given in figure 2.

11 An example of the calculation of a relative standard error is given below. The estimate of average household expenditure on transport for the fourth income quintile group is \$105.20 and the number of sampled households is 1,660. The relative standard error on this group is calculated as follows:

- (i) From appendix C the Australian RSE is 3.7% and the factor line required is B:
- (ii) Looking up line B on the graph with number of sampled households (1,660) shows factor B is approximately 1.65:
- (iii) The RSE is thus: 1.65 * 3.7% = 6.1%.

12 The estimate of average weekly expenditure for transport at the fourth quintile income level is \$105.20. Therefore the S.E. for this fourth quintile estimate is RSE * estimate = 0.061 * \$105.20 = \$6.42. From here we can deduce that there are about 2 chances in 3 that the true value lies within \$6.42 of the estimate (or between \$98.78 and \$111.62) and 19 out 20 chance that it lies within \$12.84 of the estimate (or between \$92.36 and \$118.04).

13 Many figures of interest may be derived by taking sums, differences and ratios of the tabulated data.

14 Approximate standard errors for these 'derived estimates' can be calculated using the formulae below in which x_1 and x_2 are estimates and SE (x_1), and SE(x_2) are the standard errors of x_1 and x_2 . Exact standard errors for these 'derived estimates' have not been published, although they could be calculated upon request.

15 Note: The approximate formulae are derived assuming the correlation between x_1 and x_2 is zero. Correlation, in this context, is a statistical estimate which measures the linear relationship between x_1 and x_2 and takes values in the range [-1,1]. The correlation will be exactly zero if the two estimates are based on independent subgroups of the sample (e.g. different states or income groups). Two estimates of the same subgroup will be positively correlated if large values of the items are likely to occur together (e.g. estimates of expenditure on transport are likely to be correlated with estimates of expenditure on purchase of vehicles because purchase of vehicles is a large part of the expenditure included in expenditure on transport).

(a) converting between relative standard error (RSE) and standard error (SE)

16 The relative standard error is the standard error expressed as a percentage of the estimate. Formulae for converting standard errors to relative standard errors and the relative standard errors to standard errors are given below:

$$RSE(x_1) = \frac{(SE(x_1) \times 100)}{x_1}$$
$$SE(x_1) = \frac{(x_1 \times RSE(x_1))}{100}$$

17 Returning to the expenditure on transport example, average expenditure on transport (x_1) at the fourth income quintile level was \$105.20 and the RSE was equal to 6.1%. Therefore, the standard error (SE (x_1)) was equal to (\$105.20 * 6.1)/100 = \$6.42.

18 New items or categories of expenditure can be derived by combining existing ones. The approximate standard error of the estimate is:

$$SE(x_1 + x_2) = \sqrt{(SE(x_1))^2 + (SE(x_2))^2}$$

19 For example, if we wanted to create a new category of expenditure, say of expenditure on transport and personal care, then to calculate the standard error of the new category we would need to know the standard error of expenditure on both transport and personal care. At the Australia level, the estimate for expenditure on transport is \$90.86 and for personal care \$11.36. Calculation of the standard error for the combined estimate of transport and personal care would be as follows:

(b) calculating the standard error for summed estimates

Given that x_1 = average expenditure on transport and

$$SE(x_1) = RSE(x_1) \times x_1$$
$$= 0.037 \times 90.86$$
$$= \$3.36$$

and that x_2 = average expenditure on personal care and

$$SE(x_2) = RSE(x_2) \times x_2$$
$$= 0.027 \times 11.36$$
$$= \$0.31$$

therefore

$$SE(x_1 + x_2) = \sqrt{(3.36)^2 + (0.31)^2}$$
$$= \sqrt{11.29 + 0.10}$$
$$= $3.37$$

Note: If there was a non-zero correlation between x_1 and x_2 then the standard error for a sum would be:

$$SE(x_{1} + x_{2}) = \sqrt{(SE(x_{1}))^{2} + (SE(x_{2}))^{2} + 2 \times r \times SE(x_{1}) \times (SE(x_{2}))}$$

20 where r is the sample correlation coefficient.

21 Thus, if the two estimates are positively correlated (i.e. r > 0) then the standard error will be underestimated; similarly if there is a negative correlation (i.e. r < 0) then the standard error will be overestimated.

(c) calculating the standard error for the difference between estimates

22 The standard error of the difference can be used to determine whether two estimates are significantly different, that is, whether the difference is unlikely to be due to sampling variability. If the difference between estimates is twice the standard error of the difference, then the estimates are said to be statistically different at the 95% confidence level.

23 The approximate standard error of the difference between estimates is:

$$SE(x_1 - x_2) = \sqrt{(SE(x_1))^2 + (SE(x_2))^2}$$

24 As can be seen, the approximate standard error of the difference involves the same calculations as the standard error of the sum. This approximation is accurate provided that the two estimates have zero correlation. If correlation exists then we obtain the standard error formula of

$$SE(x_{1} - x_{2}) = \sqrt{(SE(x_{1}))^{2} + (SE(x_{2}))^{2} - 2 \times r \times SE(x_{1}) \times (SE(x_{2}))}$$

25 In this case a positive correlation here will produce an overestimate of standard error whilst a negative correlation will produce an underestimate.

(d) calculating the standard error of the ratio of estimates

26 Two items can be compared by calculating the ratio of one to the other.

27 For example, researchers may want to express expenditure on petrol (commodity code 506) as a percentage of total expenditure on transport costs (the sum of commodity codes 501 to 535).

28 The relative standard error of the percentage or proportion can be approximated using the formula:

$$RSE\left(\frac{x_1}{x_2}\right) = \sqrt{\left(RSE(x_1)\right)^2 + \left(RSE(x_2)\right)^2}$$

29 As can be seen, this formula is similar to that used for calculating sums and differences between estimates, except that relative standard errors, RSEs, are used in the formula in place of the standard errors, SEs.

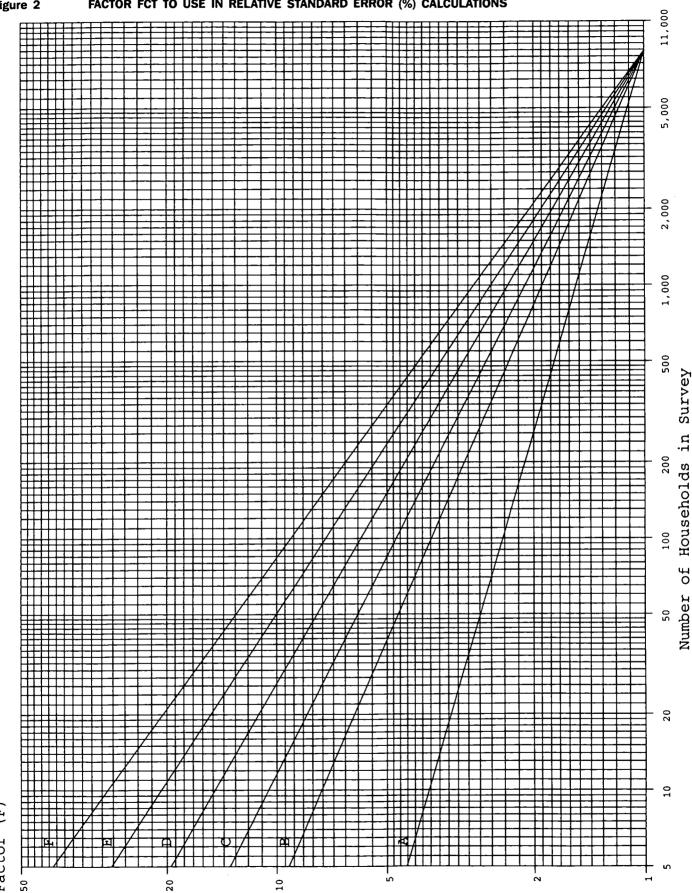


Figure 2

FACTOR FCT TO USE IN RELATIVE STANDARD ERROR (%) CALCULATIONS

Factor (F)

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APPENDIX E — GLOSSARY

Age Age refers to a person's age at last birthday. Average weekly The average obtained when total estimated weekly expenditure for a expenditure particular household group on a particular item is divided by the estimated number of households within that group. Capital cities are the six state capital city statistical divisions, the Darwin **Capital cities** Statistical Division and the Canberra Statistical Division. A CD is a geographic area, usually containing about 250 dwellings, **Collectors District (CD)** designed for the purposes of population census data collection. **Consumer Price Index** The CPI is a measure of changes over time in the cost of a constant (CPI) basket of goods and services representative of expenditure by employee households in Australian metropolitan areas. **Couple family** A couple family comprises two persons in a registered or de facto marriage who usually reside in the same household. A household consisting of a couple only, with no other persons present. Couple only household **Couple with dependent** children only household A household consisting of a couple with dependent children and no other persons present. Households which contain couple households with non-dependent Couple, other household children only; couple households with dependent and non-dependent children; and couple households with or without children plus relatives other than dependants, and non-family members. Dependent children are all persons aged under 15 years, or persons **Dependent children** aged 15 to 20 years who are full-time students, do not have a spouse or offspring of their own in the household and live with a parent, guardian or other relative in the household. Diary The diary was a notebook in which each person aged 15 years and over who was usually resident in the selected dwelling recorded his or her daily expenditure over two weeks. Employed persons comprise all those aged 15 years or over, who during **Employed Persons** the reference week (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm; or (b) worked for one hour or more without pay in a family business or on a farm (i.e. unpaid family helper); or (c) were employees who had a job in which they usually worked more than one hour per week but were not at work and were (i) on paid leave; (ii) on leave without pay for less than four weeks prior to the placement date; (iii) stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks prior to the placement date; (iv) on strike or locked out; or (v) receiving wages or salary while undertaking full-time study; or

- (d) were self employed or unpaid family helpers who usually worked more than one hour per week and were at work within four weeks prior to the placement date or were paid for part of the last four weeks.
- **Employees** Employees are persons who work for a public or private employer, or who work for their own incorporated enterprises, in a job in which they usually work the most hours.
- **Employee income** Employee income is the sum of usual weekly pay, average weekly receipts from leave loading and regular bonuses and the average weekly value of selected in-kind income from employers. Usual weekly pay equals the amount usually received for wages and salaries, tips, commissions, piecework payments, penalty payments, shift allowances, remuneration for time not worked (e.g. sick and holiday pay) and workers' compensation paid through the payroll.
 - **Expenditure** Expenditure is the cost of goods and services acquired during the reference period for private use, whether or not those goods were paid for or consumed. For example, goods purchased by bankcard are counted as expenditure at the time they were acquired rather than at the time the bankcard bill was paid.

Expenditure is net of refunds or expected refunds. For example, payments for health services are net of any refunds received or expected to be received.

Information about most types of expenditure was obtained from a diary maintained by all persons aged 15 years and over in households selected in the sample. Some infrequent items of expenditure were collected on a 'recall', or 'last payment basis' the length of the recall period ranging from two years for house purchases to three months for health expenses.

Appendix C provides a list of items of expenditure which comprise a particular expenditure group.

Expenditure Commodity Classification

The Expenditure Commodity Classification is used to classify all expenditure recorded in the HES. There are three additive levels of detail:

- the broad level comprising 17 items or expenditure groups;
- the medium level which breaks up the broad level groups and contains 99 items; and
- the fine level which is the most detailed level of expenditure available comprising 426 items.

For a full description of the Expenditure Commodity Classification see Appendix C.

Family A family comprises two or more persons, one of whom is at least 15 years of age, who are related by blood, marriage (registered or defacto), adoption, step or fostering, and who are usually resident in the same household. A separate family is formed for each married couple, or for each set of parent/child relationships where only one parent is present. Households may consist of more than one family.

Full-time workers

Full-time workers are those who usually work 35 hours a week or more.

Fully responding households	Fully responding households are households which have provided all the required HES information at the time of interview. (In previous HES surveys, the term 'fully responding' included households for which missing data have been imputed as well as households which provided all required information at the interview.)
Government pensions and allowances	Government pensions and allowances are regular, recurring receipts paid by government to persons under social security and related government programs. They include pensions paid to aged persons, benefits paid to veterans and their survivors and study allowances for students.
Gross income quintile	Gross income quintiles are formed by ranking all households in terms of gross income and then dividing the households into five groups each containing 20% of all households.
Group questionnaire	The group questionnaire collected information on household characteristics, on detailed expenditure items (e.g. health service payments) and on irregular or infrequently occurring expenditure items.
Household	A household is a group of people who usually reside and eat together. This may be:
	 a one person household, that is, a person who makes provision for his or her own food or other essentials for living without combining with any other person; or
	 a multi-person household, that is, a group of two or more persons, living within the same dwelling, who make common provision for food or other essentials for living.
Household composition	Composition of the household is divided into three broad groupings (single families, multiple families and households with only unrelated persons present, including lone person households). Additional categories are formed according to the number of dependent children, the presence of non-dependent children and non-family individuals, the number of unrelated persons and the identification of one parent families within the household.
Income	Income is defined as regular and recurring receipts from all sources before deductions for income tax, superannuation, etc. at the time of the interview. Income can be negative in the case of business loss or where expenses for rental property are higher than income from that source.
	Although most information about income was obtained on a current basis some was obtained for the previous financial year.
	Certain receipts such as lump-sum receipts, windfall gains and withdrawals from savings are not considered regular and recurring and are therefore excluded from the definition of income.
Income tax	The amount of income tax (plus Medicare levy) payable by households was estimated for all households according to the taxation criteria for 1993–94 and using the income and characteristics of household members as reported in the survey.
Individual questionnaire	The individual questionnaire collected information from each person aged 15 years and over on the income and personal characteristics such as education and labour force status.
Labour force status	Labour force status classifies all persons aged 15 years or over according to whether they were employed, unemployed or not in the labour force.

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Lone person household	A household consisting of a person living alone.
Metropolitan areas	See capital cities.
Nature of housing occupancy	See Tenure Type.
Negative expenditure	Negative expenditure is expenditure for which refunds (or trade-ins, sales or successful insurance claims for land, houses and cars) have exceeded the costs of acquisitions. For example, if a household sold a car in the 12 month recall period and did not buy a replacement car or bought a less expensive car, then the household would have negative expenditure on cars because sales were greater than the costs of acquisitions.
Negative income	Negative income is the income accrued from an unincorporated business or rental property for which operating expenses and depreciation have exceeded gross receipts.
Net expenditure	Net expenditure is expenditure from which refunds (or trade-ins, sales or successful insurance claims for land, houses and cars) have been deducted.
Net income	Net income is gross income minus estimated income tax payable.
Non-dependent children	Non-dependent children are all persons aged 15 years and over who do not have a spouse or offspring of their own in the household, have a parent in the household and are not full-time students aged 15-20 years.
Non-family member	A non family member is one of the following
	 a lone person,
	 a group household member, or
	an unrelated individual living in a family household.
Non-responding households	Non-responding households include households which provided none of the required information (due to non contact, language problems, death, illness or refusal) or had some missing information which could not be imputed.
Non-sampling error	Non-sampling error refers to a range of errors which affect the overall accuracy of survey estimates. Major sources of non-sampling error are non-response, misinterpretation of questions and incorrect transcription or coding of survey information.
Not in the labour force	Persons not in the labour force are those who were not in the categories of employed or unemployed.
Occupation	Occupation was coded for all employed persons aged 15 years or over, using the Australian Standard Classification of Occupations (ASCO).
One parent one family household	A household consisting of a lone parent and dependent children and may include non-dependent children, relatives other than dependants and non-family members.
Other urban areas	Other urban areas are all towns and urban centres with a population of 1,000 persons or more excluding capital cities.

Own business income	Own business income is the profit/loss that accrues to persons or households as owners of, or partners in, unincorporated enterprises. Profit/loss consists of the value of the gross output of the enterprise after the deduction of operating expenses and an allowance for depreciation of assets used in producing the output. Losses occur when operating expenses and depreciation are greater than gross receipts and are treated as negative incomes.
Part time workers	Part time workers usually work less than 35 hours per week.
Principal source of income	Principal source of income is the single source from which the most income is received. For example, if a household received 45% of income from employee income, 35% from own business income and 20% from property income, the principal source of income would be employee income.
Private dwelling	Private dwellings are houses, flats, home units, caravans, garages, tents and other structures used as private places of residence at the time of the survey. These are distinct from special dwellings which include hotels, boarding houses and institutions.
Recall period	The recall period was used in the group questionnaire to define the period for which survey participants were asked to report their expenditure on specific goods and services. Recall periods varied between 3 months (e.g. for furniture), 12 months (e.g. motor vehicles) and 2 years (house purchases).
Reference person	The reference person is the household member whose characteristics seem most likely to be associated with changes in household expenditure e.g. in couple households, the reference person is the partner with the highest income, in one parent households, that parent is the reference person and in lone person households, that person is the reference person.
	In households containing more than one family, the reference person is selected from the primary family. The primary family is the family which contains dependent children. If there is more than one family with dependent children, or there are no dependent children present in the household then the primary family is the first family identified during the interviewing.
Relative standard error	The relative standard error is the standard error expressed as a percentage of the estimate for which it was calculated. It is a measure which is independent of both the size of the sample, and the unit of measurement and as a result, can be used to compare the reliability of different estimates.
Reporting period	The reporting period is the two week period over which survey participants reported expenditure in the diary.
Rural areas	Rural areas are localities with a population of less than 1,000 persons and non-urban areas.
Sample loss	Sample loss refers to the loss of selected units due to the dwelling containing households out on scope (e.g. foreign diplomatic households), dwellings being vacant, under construction or demolished.
Saving	Saving is the part of household income not directly used up or transferred as part of household current consumption. Measures of saving cannot be validly derived from HES results.

Self employed The self employed are persons for whom the job in which they usually worked the most hours was their own unincorporated business.

Standard error The standard error is a measure of the likely difference between estimates obtained in a sample survey and estimates which would have been obtained if the whole population was enumerated. The magnitude of the standard error associated with any survey is a function of sample design, sample size and population variability.

Tenure type Tenure was determined according to whether the selected dwelling is owned outright, in the process of being bought, being rented either privately or through the government, or occupied rent free.

- **Unemployed persons** Unemployed persons are those aged 15 years or over who were not employed, were not unpaid voluntary workers and had actively looked for full-time or part-time work at any time in the four weeks prior to the placement date; and
 - were available for work, or would have been available except for temporary illness (i.e. lasting for less than four weeks prior to the placement date); or
 - were waiting to start a new job within four weeks from the placement date and would have started if the job had been available then.

Weights

Weights or 'expansion factors' are values by which information for sample households is multiplied to produce estimates for the whole population.



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