2000 CONSUMER EXPENDITURE INTERVIEW SURVEY
PUBLIC USE MICRODATA
DOCUMENTATION

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U.S. Department of Labor
Bureau of Labor Statistics
Division of Consumer Expenditure Surveys

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I. INTRODUCTION

The Consumer Expenditure Survey (CE) program provides a continuous and comprehensive flow of data on the buying habits of American consumers. These data are used widely in economic research and analysis, and in support of revisions of the Consumer Price Index. To meet the needs of users, the Bureau of Labor Statistics (BLS) produces population estimates for consumer units (CUs) of average expenditures in news releases, reports, issues, and articles in the Monthly Labor Review. Tabulated CE data are also available on the Internet and by facsimile transmission (See Section XV. APPENDIX 4).

These microdata files present detailed expenditure and income data from the Interview component of the CE for 2000 and the first quarter of 2001. The Interview survey collects data on up to 95 percent of total household expenditures. In addition to the FMLI, MEMI, MTBI, and ITBI files, the microdata include files created directly from the expenditure sections of the Interview survey (EXPN files). The EXPN files contain expenditure data and ancillary descriptive information, often not available on the FMLI or MTBI files, in a format similar to the Interview questionnaire. In addition to the extra information available on the EXPN files, users can identify distinct spending categories easily and reduce processing time due to the organization of the files by type of expenditure.

Estimates of average expenditures in 2000 from the Interview Survey, integrated with data from the Diary Survey, are published in *Consumer Expenditures in 2000, Report 958* (2002). A list of recent publications containing data from the CE appears at the end of this documentation.

The microdata files are in the public domain and, with appropriate credit, may be reproduced without permission. A suggested citation is: "U.S. Department of Labor, Bureau of Labor Statistics, Consumer Expenditure Survey, Interview Survey, 2000."

II. CHANGES FROM THE 1999 MICRODATA FILES

A. FMLI File

1. Variable Additions

Beginning in 2000Q1 the FMLI file will contain the following new variables.

Variable name	Variable Description	Format
UNISTRQ	How many housing units, both occupied and vacant, are in this structure? Coded: 01 Only OTHER units 02 Mobile home or trailer 03 One, detached 04 One, attached 05 2 06 3-4 07 5-9 08 10-19 09 20-49 10 50 or more Control Card 15	CHAR(2)
UNISTRQ_	Flag	CHAR(1)

Beginning in 2000Q1 the FMLI file will contain the following new summary outlays variables (EVARS).

These new summary variables are based on outlays and thus include mortgage and vehicle principal payments along with interest when these items are financed. In addition, expenditures for down payments are included where applicable. If these items are not financed, the expenditure is calculated in a similar fashion as the main summary level expenditure variables, the full purchase price is used as the expenditure amount. As is the convention with the main summary level expenditure variables above, each of the E-variable categories are sorted by expenditures that took place during the previous calendar quarter and current calendar quarter. However for the E-variables, the previous quarter expenditure variables are appended with "P" and the current quarter expenditure variables are appended with "C". For start positions and variable descriptor information see section III.F.1.M. of the Detailed Variable Descriptions. The EVAR categories and definitions follow :

TOTAL OUTLAYS:

ETOTALP(C)--Total outlays (5th interview-only data not adjusted to account for CUs in interviews 2-4).
ETOTALP(C) = FOODPQ(CQ) + ALCBEVPQ(CQ) + EHOUSNGP(C) + APPARPQ(CQ) + ETRANPTP(C) + HEALTHPQ(CQ) + EENTRMTP(C) + PERSCAPQ(CQ) + READPQ(CQ) + EDUCAPQ(CQ) + TOBACCPQ(CQ) + EMISCELP(C) + CASHCOPQ(CQ) + PERINSPQ(CQ)

ETOTAP(C)X4--Total outlays (5th interview-only data is adjusted to account for CUs in interviews 2-4).
ETOTAP(C)X4 = FOODPQ(CQ) + ALCBEVPQ(CQ) + EHOUSNGP(C) + APPARPQ(CQ) + ETRANPTP(C) + HEALTHPQ(CQ) + EENTRMTP(C) + PERSCAPQ(CQ) + READPQ(CQ) + EDUCAPQ(CQ) + TOBACCPQ(CQ) + MISC1PQ(CQ) + MISC2PQ(CQ) * (4) + EMISCMTP(C) + CASHCOPQ(CQ) * (4) + PERINSPQ(CQ)

HOUSING OUTLAYS:

EHOUSNGP(C)--Total housing outlays.
EHOUSNGP(C) = ESHELTRP(C) + UTILPQ(CQ) + HOUSOPPQ(CQ) + HOUSEQPQ(CQ)

ESHELTRP(C)--Outlays on shelter.
ESHELTRP(C) = EOWNDWLP(C) + RENDWEPQ(CQ) + EOTHLODP(C)

EOWNDWLP(C)--Outlays on owned dwellings.
EOWNDWLP(C) = OWNDWEPQ(CQ) + EMRTPNOP(C)

EMRTPNOP(C)--Mortgage principal paid, owned home.
EMRTPNOP(C) = 830201, 830203, 880120

EOTHRLODP(C)--Outlays on other lodging.
EOTHRLODP(C) = OTHLODPQ(CQ), EMRTPNVP(C)

EMRTPNVP(C)--Mortgage principal paid, owned vacation home.
EMRTPNVP(C) = 830202, 830204, 880320

TRANSPORTATION OUTLAYS:

ETRANPTP(C)--Total transportation outlays.
ETRANPTP(C) = EVEHPURP(C) + GASMOPQ(CQ) + MAINRPPQ(CQ) + VEHINSPQ(CQ) + VRNTLOPQ(CQ) + PUBTRAPQ(CQ)

EVEHPURP(C)--Outlays on purchased vehicles.
EVEHPURP(C) = ECARTKNP(C) + ECARTKUP(C) + EOTHVEHP(C)

ECARTKNP(C)--Outlays on new car or truck.
ECARTKNP(C) = 870101, 870102, 870103, 870104

ECARTKUP(C)--Outlays on used car or truck.
ECARTKUP(C) = 870201, 870202, 870203, 870204

EOTHVEHP(C)--Outlays on other vehicles.
EOTHVEHP(C) = 870301, 870302, 870303, 870304

ENTERTAINMENT OUTLAYS:

EENTRMTP(C)--Total entertainment outlays including sporting events, movies, and recreational vehicle rentals.
EENTRMTP(C) = FEEADMPQ(CQ), TVRDIOPQ(CQ), PETTOYPQ(CQ), EOTHENTP(C)

EOTHENTP(C)—Miscellaneous entertainment outlays including photographic and sports equipment, and boat and RV payments and rentals
EOTHENTP(C) = ENOMOTRP(C) + EMOTRVHP(C) + EENTMSCP(C)

ENOMOTRP(C)--Outlays for non-motored recreational vehicles
ENOMOTRP(C) = 870401, 870402, 870403, 870404, 870501, 870502, 870503, 870504

EMOTRVHP(C)--Outlays for motored recreational vehicles
EMOTRVHP(C) = 870605, 870606, 870607, 870608, 870701, 870702, 870703, 870704, 870801, 870802, 870803, 870804

EENTMSCP(C)--Miscellaneous entertainment outlays including photographic and sports equipment, and boat and RV rentals.
EENTMSCP(C) = 520901, 520904, 520907, 600110, 600210, 600310, 600410, 600420, 600430, 600901, 600902, 610210, 610230, 620320, 620330, 620905, 620906, 620908, 620909, 620919, 620921, 620922

MISCELLANEOUS OUTLAYS:

EMISCELP(C)--Miscellaneous outlays including reduction of mortgage principal (lump sum home equity loan) on other property.
EMISCELP(C) = MISCPQ(CQ) + EMISCMTP(C)

EMISCMTP(C)--Mortgage principal outlays for other property.
EMISCMTP(C) = 790920, 790940, 880220

**Please note that the absolute value of COST is used for the associated UCCs for variables EMRTPNOP / EMRTPNOC, EMRTPNVP / EMRTPNVC, and EMISCMTP / EMISCMTC.* The MTBI UCCs used to construct these variables take on negative values.

B. MEMI File

There are no changes to the MEMI file for the 2000 release.

C. MTBI File

1. UCC Deletions

Starting in 2000Q1, The MTBI file will no longer contain the following UCCs.

790820 MORT HELD AFTER SALE OTH PROP
820201 PRIN AMT TRUST HELD OWND
820202 PRIN AMT TRUST HELD OWNV

MTBI PUBFLAG Changes

a. The following are MTBI Pub_Flag value changes **beginning in Q20001.**

UCC	New PUBFLAG value
320512	2
360120	2
360340	2
360901	2
370311	2
380311	2
380902	2
410120	2
410140	2
620310	2
610120	2
620320	2

D. EXPN Files

1. OPD file

a. Variable Deletions

Beginning in 2000Q1, the following variables will no longer be recorded. The positions for these deleted variables will be left blank.

Variable name	Format
TRUSTX	NUM(8)
TRUSTX_	CHAR(1)

2. RNT File

a. Survey Source Changes

Beginning in 2000Q1, the following source changes to the RNT file takes effect.

Variable name	New source
RTASPAY	S02A/B 4a/3a
RTCOMPX	S02A/B 4b/3b
RTCMPPD	S02A/B 4c/3c

III. FILE INFORMATION

The microdata are provided as ASCII Comma-delimited, SAS, SPSS, and Stata data sets. The 2000 Interview release contains four groups of Interview data files (FMLI, MEMI, MTBI, and ITBI), 48 EXPN files, and five processing files. The FMLI, MEMI, MTBI, and ITBI files are organized by the calendar quarter of the year in which the data were collected. (See Section V.A.1.b. CALENDAR PERIOD VERSUS COLLECTION PERIOD for a description of calendar and collection years.) There are five quarterly data sets for each of these files, running from the first quarter of 2000 through the first quarter of 2001. The FMLI files contain CU characteristics, income, and summary level expenditures; the MEMI files contain member characteristics and income data; the MTBI files contain expenditures organized on a monthly basis at the UCC level; and the ITBI files contain income data converted to a monthly time frame and assigned to UCCs. Each of the 48 EXPN files contains five quarters of data. The EXPN files contain data directly derived from their respective questionnaire sections.

The five processing files enhance computer processing and tabulation of data, and provide descriptive information on item codes. The five processing files are: a sample table aggregation file (AGGI), a sample table label file (LABELI), a Universal Classification Codes file (UCCI), a vehicle make and model file (VEHI), and a file (SAMPLI) containing the sample program (See Section VII. A. SAMPLE PROGRAM). The processing files are further explained in Section III.F.6. PROCESSING FILES.

Since space in this documentation prohibits the explanation of all information in the EXPN files, we strongly suggest the user refer to the questionnaire. A list of the 48 EXPN file names and the sections of the questionnaire to which they relate follows.

APL	Section 1	Part C	General Survey Information – Major Household Appliances
RNT	Section 2	Parts A and B	Rented Living Quarters – CU Tenure, Rental Payments, Facilities, and Services for Sample Unit and Other Units
OPB	Section 3	Part B	Owned Living Quarters and Other Owned Real Estate – Detailed Property Description
OPD	Section 3	Part D	Owned Living Quarters and Other Owned Real Estate – Disposed of Property
MOR	Section 3	Part F	Owned Living Quarters and Other Owned Real Estate – Mortgages
HEL	Section 3	Part G	Owned Living Quarters and Other Owned Real Estate – Lump Sum Home Equity Loans
OPH	Section 3	Part H	Owned Living Quarters and Other Owned Real Estate – Line of Credit Home Equity Loans
OPI	Section 3	Part I	Owned Living Quarters and Other Owned Real Estate – Ownership Costs
UTA	Section 4	Part A	Utilities and Fuels for Owned and Rented Properties – Telephone Expenses
UTB	Section 4	Part C	Utilities and Fuels for Owned and Rented Properties – Screening Questions
UTC	Section 4	Part D	Utilities and Fuels for Owned and Rented Properties – Detailed Questions
CRA	Section 5	Part A	Construction, Repairs, Alterations, and Maintenance of Owned and Rented Property – Screening Questions
CRB	Section 5	Part B	Construction, Repairs, Alterations, and Maintenance of Owned and Rented Property – Job Description
APA	Section 6	Part A	Appliances, Household Equipment, and Other Selected Items – Purchase of Household Appliances
APB	Section 6	Part B	Appliances, Household Equipment and Other Selected Items – Purchase of Household Appliances and Other Selected Items
EQB	Section 7	Part B	Household Equipment Repairs, Service Contracts, and Furniture Repair and Reupholstering – Household Equipment Repairs and Service Contracts
EQD	Section 7	Part D	Household Equipment Repairs, Service Contracts, and Furniture Repair and Reupholstering – Furniture Repair or Reupholstering
FRA	Section 8	Part A	Home Furnishings and Related Household Items – Purchases
FRB	Section 8	Part B	Home Furnishings and Related Household Items – Rental, Leasing, or Repair of Furniture
CLA	Section 9	Part A	Clothing and Sewing Materials – Clothing
CLB	Section 9	Part B	Clothing and Sewing Materials – Infants Clothing, Watches, Jewelry, and Hairpieces
CLC	Section 9	Part C	Clothing and Sewing Materials – Sewing Materials
CLD	Section 9	Part D	Clothing and Sewing Materials – Clothing Services
RTV	Section 10	Part A.1	Rented and Leased Vehicles – Screening Questions
LSD	Section 10	Part B	Rented and Leased Vehicles – Detailed Questions for Leased Vehicles

OVB	Section 11	Part B	Owned Vehicles – Detailed Questions
OVC	Section 11	Part C	Owned Vehicles – Disposal of Vehicles
VEQ	Section 12	Part A	Vehicle Operating Expenses – Vehicle Maintenance and Repair, Parts, and Equipment
VLR	Section 12	Part B	Vehicle Operating Expenses – Licensing, Registration, and Inspection of Vehicles
VOT	Section 12	Part C	Vehicle Operating Expenses – Other Vehicle Operating Expenses
INB	Section 13	Part B	Insurance Other Than Health – Detailed Questions
IHB	Section 14	Part B	Hospitalization and Health Insurance – Detailed Questions
IHC	Section 14	Part C	Hospitalization and Health Insurance – Medicare, Medicaid and Other Heal Insurance Plans Not Directly Paid For By The CU
MDB	Section 15	Part B	Medical and Health Expenditures – Payments For Medical Expenses
MDC	Section 15	Part C	Medical and Health Expenditures – Reimbursements For Medical Expenses
EDA	Section 16		Educational Expenses
SUB	Section 17	Part A	Subscriptions, Memberships, Books, and Entertainment Expenses – Subscriptions and Memberships
ENT	Section 17	Part B	Subscriptions, Memberships, Books, and Entertainment Expenses – Books a Entertainment Expenses
TRV	Section 18	Parts B and C	Trips and Vacations – Trips Paid Entirely by CU and Partially Reimbursed Trips
TRD	Section 18	Part D Part E	Trips and Vacations – 100% Reimbursed Trips
TRE	Section 18		Trips and Vacations – Trip Expenses for Non-CU Members
TRF	Section 18	Part F	Trips and Vacations – Local Overnight Stays
MIS	Section 19	Part A	Miscellaneous Expenses
XPA	Section 20	Part A	Expense Patterns For Food, Beverages, and Other Selected Items – Food and Beverages
XPB	Section 20	Part B	Expense Patterns For Food, Beverages, and Other Selected Items – Selected Services and Goods
FN2	Section 21	Part A.1	Credit Liability – Credit Balances – Second Quarter Only
FNA	Section 21	Part A.2	Credit Liability – Credit Balances – Fifth Quarter Only
FNB	Section 21	Part B	Credit Liability – Finance Charges – Fifth Quarter Only

Note that the variable NEWID, the CU's identification number, is the common variable among files by which matching is done.

A. DATA SET NAMES

The file naming convention on is as follows:

X:\INTRVW00\FMLI001x.* (Interview FMLI file for first quarter, 2000)
X:\INTRVW00\MEMI001x.* (Interview MEMI file for first quarter, 2000)
X:\INTRVW00\MTBI001x.* (Interview MTBI file for first quarter, 2000)
X:\INTRVW00\ITBI001x.* (Interview ITBI file for first quarter, 2000)
X:\INTRVW00\FMLI002.* (etc.)
X:\INTRVW00\MEMI002.*

X:\INTRVW00\MTBI002.*
X:\INTRVW00\ITBI002.*
X:\INTRVW00\FMLI003.*
X:\INTRVW00\MEMI003.*
X:\INTRVW00\MTBI003.*
X:\INTRVW00\ITBI003.*
X:\INTRVW00\FMLI004.*
X:\INTRVW00\MEMI004.*
X:\INTRVW00\MTBI004.*
X:\INTRVW00\ITBI004.*
X:\INTRVW00\FMLI011.*
X:\INTRVW008\MEMI011.*
X:\INTRVW00\MTBI011.*
X:\INTRVW00\ITBI011.*
X:\INTRVW00\AGGI00.txt
X:\INTRVW00\LABELI00.txt
X:\INTRVW00\UCCI00.txt
X:\INTRVW00\VEHI00.txt
X:\EXPN00\APL00.*
X:\EXPN00\RNT00.*
X:\EXPN00\OPB00.*
X:\EXPN00\OPD00.*
X:\EXPN00\MOR00.*
X:\EXPN00\HEL00.*
X:\EXPN00\OPH00.*
X:\EXPN00\OPI00.*
X:\EXPN00\UTA00.*
X:\EXPN00\UTB00.*
X:\EXPN00\UTC00.*
X:\EXPN00\CRA00.*
X:\EXPN00\CRB00.*
X:\EXPN00\APA00.*
X:\EXPN00\APB00.*
X:\EXPN00\EQB00.*
X:\EXPN00\EQD00.*
X:\EXPN00\FRA00.*
X:\EXPN00\FRB00.*
X:\EXPN00\CLA00.*
X:\EXPN00\CLB00.*
X:\EXPN00\CLC00.*
X:\EXPN00\CLD00.*
X:\EXPN00\RTV00.*
X:\EXPN00\LSD00.*
X:\EXPN00\OVB00.*
X:\EXPN00\OVC00.*
X:\EXPN00\VEQ00.*
X:\EXPN00\VLR00.*
X:\EXPN00\VOT00.*
X:\EXPN00\INB00.*
X:\EXPN00\IHB00.*
X:\EXPN00\IHC00.*
X:\EXPN00\MDB00.*
X:\EXPN00\MDC00.*
X:\EXPN00\EDA00.*
X:\EXPN00\SUB00.*
X:\EXPN00\ENT00.*

X:\EXPN00\TRV00.*
X:\EXPN00\TRD00.*
X:\EXPN00\TRE00.*
X:\EXPN00\TRF00.*
X:\EXPN00\MIS00.*
X:\EXPN00\XPA00.*
X:\EXPN00\XPB00.*
X:\EXPN00\FN200.*
X:\EXPN00\FNA00.*
X:\EXPN00\FNB00.*

B. RECORD COUNTS

The following are the number of in each data set (recall that each EXPN file contains 5 quarters of data within a single data set):

Data set	Record Counts
FMLI001X.*	7860
FMLI002.*	7809
FMLI003.*	7624
FMLI004.*	7717
FMLI011.*	7712
MEMI001X.*	20066
MEMI002.*	20195
MEMI003.*	19855
MEMI004.*	19840
MEMI011.*	19919
MTBI001X.*	722281
MTBI002.*	672069
MTBI003.*	663014
MTBI004.*	664675
MTBI011.*	697014
ITBI001X.*	398277
ITBI002.*	395835
ITBI003.*	387030
ITBI004.*	386529
ITBI011.*	387330
APL00.*	335877
RNT00.*	13370
OPB00.*	30430
OPD00.*	94
MOR00.*	17207
HEL00.*	1925

Data set	Record Counts
OPH00.*	1749
OPI00.*	42938
UTA00.*	157285
LSD00.*	3120
OVB00.*	71901
UTB00.*	281
UTC00.*	393281
CRA00.*	932
CRB00.*	13011
APA00.*	3749
APB00.*	39190
EQB00.*	4824
EQD00.*	342
FRA00.*	41766
FRB00.*	123
CLA00.*	218516
CLB00.*	30426
CLC00.*	4335
CLD00.*	4395
RTV00.*	1165
OVC00.*	2659
VLR00.*	15210
VOT00.*	38722
INB00.*	118010
VEQ00.*	53658
IHB00.*	43933
IHC00.*	13685
MDB00.*	109915
MDC00.*	1871
EDA00.*	32823
SUB00.*	35977
ENT00.*	26990
TRV00.*	21161
TRD00.*	5908
TRE00.*	3781
TRF00.*	255
MIS00.*	118495
XPA00.*	38722
XPB00.*	38722
FN200.*	36749
FNA00.*	10149
FNB00.*	9776

C. DATA FLAGS

Data fields on the FMLI, MEMI, and EXPN files are explained by flag variables following the data field. The names of the flag variables are derived from the names of the data fields they reference. In general the rule is to add an underscore to the last position of the data field name, for example, SALARYX becomes SALARYX_. However, if the data field name is eight characters in length, then the fifth position is replaced with an underscore; thus WELFAREX becomes WELF_REX. If the fifth position is already an underscore, then the fifth position is changed to a zero, so that EDUC_REF becomes EDUC0REF.

The flag values are defined as follows:

A flag value of "A" indicates a valid blank; that is, a blank field where a response is not anticipated.

A flag value of "B" indicates a blank resulting from an invalid nonresponse; that is, a nonresponse that is not consistent with other data reported by the CU.

A flag value of "C" refers to a blank resulting from a "don't know", refusal, or other type of nonresponse.

A flag value of "D" indicates that the data field contains a valid or good data value.

A flag value of "T" indicates topcoding has been applied to the data field.

A flag value of "H" identifies an expenditure that has been allocated to other records with the original expenditure being overwritten with a blank. (EXPN records only).

A flag value of "R" for recode has been created for the variable STATE_. Some Primary Sampling Units (PSUs) in some states are given "false" STATE codes for nondisclosure reasons. CUs with STATE_='R' (for recode) indicate that not all CUs with that particular STATE code are from that state. See Section IV.A. CU CHARACTERISTICS AND INCOME FILE (FMLI) on topcoding of CU characteristics and income for more detail.

D. FILE NOTATION

Every record from each data file includes the variable NEWID, the CU's unique identification number, which is used to link records of one CU from several files across all quarters in which they participate.

Data fields for variables on the microdata files have either numeric or character values. The format column in the detailed variable descriptions (Section III.F. DETAILED VARIABLE DESCRIPTIONS) distinguishes whether a variable is numeric (NUM) or character (CHAR) and shows the number of field positions the variable occupies. Variables that include decimal points are formatted as NUM(t,r) where t is the total number of positions occupied, and r is the number of places to the right of the decimal.

In addition to format, these detailed listings give an item description, questionnaire source, and identification of codes where applicable for each variable. The questionnaire source, which identifies where the data for that variable is collected on the questionnaire, is listed beneath the variable description and is formatted "S03B 2b", which denotes Section 3, Part B, Question 2b of the questionnaire.

A star (*) is shown in front of new variables, those which have changed in format or definition, and those which have been deleted. Variables whose format has expanded are moved to the end of the files, and their original positions are left blank. New variables are added to the end of the files after variables whose format has changed. The positions of deleted variables are left blank.

Some variables require special notation. The following notation is used throughout the documentation for all files:

*D(Yxxq) identifies a variable that is deleted as of the quarterly file indicated. The year and quarter are identified by the 'xx' and 'q' respectively. For example, the notation *D(Y003) indicates the variable is deleted starting with the data file of the third quarter of 2000.

*N(Yxxq) identifies a variable that is added as of the quarterly file indicated. The year and quarter are identified by the 'xx' and 'q' for new variables in the same way as for deleted variables.

*L indicates that the variable can contain negative values.

E. ALLOCATION AND RECORD ORIGIN (EXPN)

Expenditures on the EXPN files that have been allocated can be identified through their flag variable, which will have a value, set to 'H' (see Section III.C. DATA FLAGS). These expenditures can be recreated using the fields SEQNO and ALCNO. SEQNO is a counter assigned to make records unique. ALCNO is zero for all original expenditure records. If ALCNO is greater than zero, the corresponding expenditure record is the result of allocation of an original record whose expenditure field has been replaced with a blank for that CU. By summing expenditures for records with ALCNO greater than zero and the same SEQNO as the original record, one can arrive at the value which was allocated.

The codes for the variable REC_ORIG, which are common to every EXPN file record, can be interpreted as follows:

CODED
1 Data reported in the current quarter’s interview.

2 Data reported in the previous quarter's interview that are encompassed by the current reference period. These data are brought forward through the reference period adjustment process.

3 Data reported in the previous quarter's interview that are encompassed by the current reference period, and this logical record duplicates a logical record from the current interview month. These data are brought forward through the reference period adjustment process; the data duplication is also identified during this process.

4 Inventory data reported in previous quarters' interviews brought forward through the inventory update process. No updates are applied to this logical record as none are indicated in the current inventory chart.

5 Inventory data reported in previous quarters' interviews brought forward through the inventory update process. Updates are applied based upon data contained in the current inventory chart.

6 Data created by the processing system.

F. DETAILED VARIABLE DESCRIPTIONS

1. ***CONSUMER UNIT (CU) CHARACTERISTICS AND INCOME FILE (FMLI)***

The "FMLI" file, also referred to as the "Consumer Unit Characteristics and Income" file, contains CU characteristics, CU income, and characteristics and earnings of the reference person and of the spouse. The file includes weights needed to calculate population estimates and variances. (See Sections V. ESTIMATION PROCEDURES and VI. RELIABILITY STATEMENT.)

Summary expenditure variables in this file can be combined to derive quarterly estimates for broad consumption categories. Demographic characteristics, such as family size, refer to the CU status on the date of the interview. Demographic characteristic information may change between interviews if, for example, a member enters or leaves the CU. Income variables contain annual values. Income data are collected in the second and fifth interviews only and cover the 12 months prior to the date of interview. Income data collected in the second interview are copied to the third and fourth interviews. Income data are updated only if a CU member over 13 is new to the CU or has not worked in previous interviews and has now started working. When there is a valid nonresponse, or where nonresponse occurs and there is no imputation, there will be missing values. The type of nonresponse is explained by associated data flag variables described in Section III.C. DATA FLAGS.

a. ***CU AND INTERVIEW IDENTIFIERS***

VARIABLE	ITEM DESCRIPTION	FORMAT
NEWID	CU identification number. Digits 1-7 (CU sequence number, 1 through 9999999) uniquely identify the CU. Digit 8 is the interview number, 2 through 5. It is possible for a CU to skip an interview. For example, a CU could have a 2nd, 3rd and 5th interview but no 4th interview. BLS derived	NUM(8)
HH_CU_Q	Count of CUs in household BLS derived	NUM(2)
HH_CU_Q_		CHAR(1)
HHID	Identifier of household with more than one CU. Household with only one CU will be set to missing. BLS derived	NUM(3)
HHID_		CHAR(1)
QINTRVMO	Interview month Control Card 37	CHAR(2)

QINTRVYR	Interview year Control Card 37	CHAR(4)

b. ***CU CHARACTERISTICS***

VARIABLE	ITEM DESCRIPTION	FORMAT
REGION	Region CODED 1 Northeast 2 Midwest 3 South 4 West BLS derived	CHAR(1)
BLS_URBN	Urban/Rural CODED 1 Urban 2 Rural BLS derived	CHAR(1)
POPSIZE	Population size of the PSU CODED 1 More than 4 million 2 1.20-4 million 3 0.33-1.19 million 4 125-329.9 thousand 5 Less than 125 thousand BLS derived	CHAR(1)
SMSASTAT	Does CU reside inside a Metropolitan Statistical Area (MSA)? CODED 1 Yes 2 No BLS derived	CHAR(1)
STATE	State identifier (see Section IV.A. and Section X.D. for important information)	CHAR(2)

01	Alabama	*28	Mississippi
02	Alaska	**29	Missouri
RR04	Arizona	31	Nebraska
*05	Arkansas	R32	Nevada
**06	California	R33	New Hampshire
08	Colorado	34	New Jersey
09	Connecticut	*35	New Mexico
10	Delaware	RR**36	New York
R11	District of Columbia	**37	North Carolina

**12	Florida
**13	Georgia
15	Hawaii
16	Idaho
**17	Illinois
[RR]**18	Indiana
*19	Iowa
**20	Kansas
21	Kentucky
22	Louisiana
[R]*23	Maine
24	Maryland
25	Massachusetts
**26	Michigan
**27	Minnesota
[RR]39	Ohio
**40	Oklahoma
**41	Oregon
42	Pennsylvania
45	South Carolina
*46	South Dakota
**47	Tennessee
48	Texas
49	Utah
50	Vermont
**51	Virginia
**53	Washington
[R]54	West Virginia
55	Wisconsin

* indicates that the STATE code has been suppressed for all sampled CUs in that state (STATE_ = 'T' for all observations).

** indicates that the STATE code has been suppressed for some sampled CUs in that state (STATE_ = 'T' for some observations).

[R] indicates that either all observations from this state have been re-coded or all strata[1] of observations from this state include "re-codes" from other states.

[RR] indicates that either some observations from this state have been re-coded or at least one stratum[1] of observations from this state includes "re-codes" from other states.

[R*] indicates that the STATE code has been suppressed for some sampled CUs in that state and, either STATE has been re-coded or the state includes "re-codes" from other states in all strata[1].

[RR**] indicates that the STATE code has been suppressed for some sampled CUs in that state and, either STATE has been re-coded or the state includes "re-codes" from other states in at least one stratum[1].

[1] A STATE stratum is a unique POPSIZE and BLS_URBN combination.

States not listed are not in the CE sample.

Census derived

STATE_ CHAR(1)

CUTENURE Housing tenure CHAR(1)

CODED

1 Owned with mortgage
2 Owned without mortgage
3 Owned mortgage not reported
4 Rented
5 Occupied without payment of cash rent
6 Student housing

BLS derived

CUTE_URE		CHAR(1)
FAM_SIZE	Number of members in CU	NUM(2)
	BLS derived	
FAM__IZE		CHAR(1)
AS_COMP1	Number of males age 16 and over in CU	NUM(2)
	BLS derived	
AS_C_MP1		CHAR(1)
AS_COMP2	Number of females age 16 and over in CU	NUM(2)
	BLS derived	
AS_C_MP2		CHAR(1)
AS_COMP3	Number of males age 2 through 15 in CU	NUM(2)
	BLS derived	
AS_C_MP3		CHAR(1)
AS_COMP4	Number of females age 2 through 15 in CU	NUM(2)
	BLS derived	
AS_C_MP4		CHAR(1)
AS_COMP5	Number of members under age 2 in CU	NUM(2)
	BLS derived	
AS_C_MP5		CHAR(1)
PERSLT18	Number of children less than 18 in CU	NUM(2)
	BLS derived	
PERS_T18		CHAR(1)
PERSOT64	Number of persons over 64 in CU	NUM(2)
	BLS derived	
PERS_T64		CHAR(1)

CHILDAGE	Age of children of reference person CODED 0 No children 1 All children less than 6 2 Oldest child between 6 and 11 and at least one child less than 6 3 All children between 6 and 11 4 Oldest child between 12 and 17 and at least one child less than 12 5 All children between 12 and 17 6 Oldest child greater than 17 and at least one child less than 17 7 All children greater than 17 BLS derived	CHAR(1)
CHIL_AGE		CHAR(1)
FAM_TYPE	CU type is based on relationship of members to reference person. "Own" children include blood-related sons and daughters, step children and adopted children. CODED 1 Husband and wife (H/W) only 2 H/W, own children only, oldest child under 6 years old 3 H/W, own children only, oldest child 6 to 17 years old 4 H/W, own children only, oldest child over 17 years old 5 All other H/W CUs 6 One parent, male, own children only, at least one child age under 18 years old 7 One parent, female, own children only, at least one child age under 18 years old 8 Single persons 9 Other CUs BLS derived	CHAR(1)
FAM__YPE		CHAR(1)
NO_EARNR	Number of earners BLS derived	NUM(2)
NO_E_RNR		CHAR(1)

EARNCOMP	Composition of earners CODED 1 Reference person only 2 Reference person and spouse 3 Reference person, spouse and others 4 Reference person and others 5 Spouse only 6 Spouse and others 7 Others only 8 No earners BLS derived	CHAR(1)
EARN_OMP		CHAR(1)
PRINEARN	Member number (MEMBNO in the MEMI files) of the principal earner. BLS derived	CHAR(2)
PRIN_ARN		CHAR(1)
VEHQ	Number of owned vehicles BLS derived	NUM(2)
VEHQ_		CHAR(1)
NUM_AUTO	Number of owned automobiles BLS derived	NUM(2)
NUM__UTO		CHAR(1)
VEHQL	Total number of leased autos, trucks and vans BLS derived	NUM(2)
VEHQL_		CHAR(1)
NUM_TVAN	Total number of owned trucks and vans BLS derived	NUM(2)
NUM__VAN		CHAR(1)

INCLASS	Income class of CU based on income before taxes (Codes 01 through 09 are for CUs considered complete reporters of income). CODED 01 Less than $5,000 02 $5,000 to $9,999 03 $10,000 to $14,999 04 $15,000 to $19,999 05 $20,000 to $29,999 06 $30,000 to $39,999 07 $40,000 to $49,999 08 $50,000 to $69,999 09 $70,000 and over 10 Incomplete income reported BLS derived	CHAR(2)
RESPSTAT	Completeness of income response CODED 1 Complete income respondent 2 Incomplete income respondent BLS derived	CHAR(1)
RESP_TAT		CHAR(1)
INC_RANK	Weighted cumulative percent income ranking of CU to total population. Ranking based on income before taxes for complete reporters. Rank of incomplete income reporters is set to zero. BLS derived	NUM(9.7)
INC__ANK		CHAR(1)
INC_RNKU	Weighted cumulative percent income ranking of CU to urban population. Ranking based on income before taxes for complete reporters (urban CUs only). Rank of incomplete income reporters and rural CUs are set to zero. BLS derived	NUM(9.7)
INC__NKU		CHAR(1)
ERANKMTH	Dollar amount used for expenditure ranking (ERANKH and ERANKUH) based on expenditure outlays made during the reference (interview) period. Includes all mortgage and vehicle principal payments; excludes outlays for items collected only in the fifth interview. *L BLS derived	NUM (11.4)
ERAN_MTH		CHAR(1)

ERANKH	Weighted cumulative percent expenditure outlay ranking of CU to total population. Expenditure outlay is based on ERANKMTH. The value is a number between 0 and 1. Rank of incomplete income reporters is blank. BLS derived	NUM (8.7)
ERANKH_		CHAR(1)
ERANKUH	Weighted cumulative percent expenditure outlay ranking of CU to urban population. Expenditure outlay is based on ERANKMTH. The value is a number between 0 and 1. Rank of incomplete income reporters is blank. BLS derived	NUM (8.7)
ERANKUH_		CHAR(1)
POV_CY	Is CU income below current year's poverty threshold? (Income is defined as FINCBTAX-JFDSTMPA.) CODED 1 Yes 2 No BLS derived	CHAR(1)
POV_CY_		CHAR(1)
POV_PY	Is CU income below previous year's poverty threshold? (Income is defined as FINCBTAX-JFDSTMPA.) CODED 1 Yes 2 No BLS derived	CHAR(1)
POV_PY_		CHAR(1)
POVLEVCY	Poverty threshold for this CU in the Current year.	NUM(8)
POVL_VCY	Flag	CHAR(1)
POVLEVPY	Poverty threshold for this CU in the previous year.	NUM(8)
POVL_VPY	Flag	CHAR(1)

CUINCOME	Total CU Income CODED 01 Loss 02 Under $3,000 03 $3,000 to $5,999 04 $6,000 to $7,499 05 $7,500 to $9,999 06 $10,000 to $12,999 07 $13,000 to $14,999 08 $15,000 to $19,999 09 $20,000 to $24,999 10 $25,000 to $29,999 11 $30,000 to $34,999 12 $35,000 to $49,999 13 $50,000 to $74,999 14 $75,000+ 15 Refused S24 1	CHAR(2)
CUIN_OME		CHAR(1)
RECORDS	In answering questions about expenses, did the respondent consult bills, receipts, check stubs, expense books, tax returns, or other records? CODED 1 Always 2 Almost always 3 Mostly 4 Occasionally 5 Almost never 6 Never S01A 8c	CHAR(1)
RECORDS_		CHAR(1)
TYPEREC1	If any bills, receipts, or records were used, which ones did the respondent(s) use to give cost information? CODED 1 Bills S01A 8d	CHAR(1)
TYPE_EC1		CHAR(1)
TYPEREC2	See TYPEREC1 for question and source. CODED 2 Checkbook ledger or stubs	CHAR(1)
TYPE_EC2		CHAR(1)

TYPEREC3	See TYPEREC1 for question and source. CODED 3 Canceled checks	CHAR(1)
TYPE_EC3		CHAR(1)
TYPEREC4	See TYPEREC1 for question and source. CODED 4 Receipts of purchase (sales slip)	CHAR(1)
TYPE_EC4		CHAR(1)
TYPEREC5	See TYPEREC1 for question and source. CODED 5 Home file (provided by Census Bureau)	CHAR(1)
TYPE_EC5		CHAR(1)
TYPEREC6	See TYPEREC1 for question and source. CODED 6 Contracts or agreements	CHAR(1)
TYPE_EC6		CHAR(1)
TYPEREC7	See TYPEREC1 for question and source. CODED 7 Bank statements	CHAR(1)
TYPE_EC7		CHAR(1)
TYPEREC8	See TYPEREC1 for question and source. CODED 8 Other	CHAR(1)
TYPE_EC8		CHAR(1)

c. ***CHARACTERISTICS OF REFERENCE PERSON AND SPOUSE***

VARIABLE	ITEM DESCRIPTION	FORMAT
AGE_REF	Age of reference person BLS derived	NUM(2)
AGE_REF_		CHAR(1)

REF_RACE	Race of reference person CODED 1 White 2 Black 3 American Indian, Aleut, or Eskimo 4 Asian or Pacific Islander BLS derived	CHAR(1)
REF__ACE		CHAR(1)
SEX_REF	Sex of reference person CODED 1 Male 2 Female BLS derived	CHAR(1)
SEX_REF_		CHAR(1)
MARITAL1	Marital status of reference person CODED 1 Married 2 Widowed 3 Divorced 4 Separated 5 Never married BLS derived	CHAR(1)
MARI_AL1		CHAR(1)

ORIGIN1	Origin or ancestry of reference person CODED 1 European: German Italian Irish French Polish Russian English Scottish Dutch Swedish Hungarian 2 Spanish: Mexican American Chicano Mexican Puerto Rican Cuban Central or South American Other Spanish 3 Afro-American (Black or Negro) 4 Another group not listed / Don't know BLS derived	CHAR(1)
ORIGIN1_		CHAR(1)
EDUC_REF	Education of reference person CODED 00 Never attended school 10 First through eighth grade 11 Ninth through twelfth grade (no H.S. diploma) 12 High school graduate 13 Some college, less than college graduate 14 Associate’s degree (occupational/vocational or academic) 15 Bachelor’s degree 16 Master’s degree 17 Professional/Doctorate degree BLS derived	CHAR(2)
EDUC0REF		CHAR(1)
AGE2	Age of spouse BLS derived	NUM(2)
AGE2_		CHAR(1)

RACE2	Race of spouse CODED - same as REF_RACE BLS derived	CHAR(1)
RACE2_		CHAR(1)
SEX2	Sex of spouse CODED - same as SEX_REF BLS derived	CHAR(1)
SEX2_		CHAR(1)
ORIGIN2	Origin or ancestry of spouse CODED - same as ORIGIN1 BLS derived	CHAR(1)
ORIGIN2_		CHAR(1)
EDUCA2	Education of spouse CODED - same as EDUC_REF BLS derived	CHAR(2)
EDUCA2_		CHAR(1)

d. _WORK EXPERIENCE OF REFERENCE PERSON AND SPOUSE_

VARIABLE	ITEM DESCRIPTION	FORMAT
INCWEEK1	Number of weeks worked by reference person full or part time in last 12 months, including paid vacation and paid sick leave BLS derived	NUM(2)
INCW_EK1		CHAR(1)
INC_HRS1	Number of hours usually worked per week by reference person BLS derived	NUM(3)
INC__RS1		CHAR(1)

OCCUCOD1	The job in which reference person received the most earnings during the past 12 months best fits the following category. CODED Manager, professional 01 Administrator, manager 02 Teacher 03 Professional Administrative support, technical, sales 04 Administrative support, including clerical 05 Sales, retail 06 Sales, business goods and services 07 Technician Service 08 Protective service 09 Private household service 10 Other service Operator, assembler, laborer 11 Machine operator, assembler, inspector 12 Transportation operator 13 Handler, helper, laborer Precision production, craft, repair 14 Mechanic, repairer, precision production 15 Construction, mining Farming, forestry, fishing 16 Farming 17 Forestry, fishing, groundskeeping Armed forces 18 Armed forces BLS derived	CHAR(2)
OCCU_OD1		CHAR(1)
INCOMEY1	Employer from which reference person received the most earnings in past 12 months CODED 1 Private company, business or individual 2 Federal government 3 State government 4 Local government 5 Self-employed in own business, professional practice or farm 6 Family business or farm, working without pay BLS derived	CHAR(1)
INCO_EY1		CHAR(1)

INCNONW1	Reason reference person did not work during the past 12 months CODED 1 Retired 2 Taking care of home/CU 3 Going to school 4 Ill, disabled, unable to work 5 Unable to find work 6 Doing something else BLS derived	CHAR(1)
INCN_NW1		CHAR(1)
INCWEEK2	Number of weeks worked by spouse full or part time in last 12 months, including paid vacation and paid sick leave BLS derived	NUM(2)
INCW_EK2		CHAR(1)
INC_HRS2	Number of hours usually worked per week by spouse BLS derived	NUM(3)
INC__RS2		CHAR(1)
OCCUCOD2	Job in which spouse received the most earnings during the past 12 months CODED - same as OCCUCOD1 BLS derived	CHAR(2)
OCCU_OD2		CHAR(1)
INCOMEY2	Employer from which spouse received most earnings during the past 12 months CODED - same as INCOMEY1 BLS derived	CHAR(1)
INCO_EY2		CHAR(1)
INCNONW2	Reason spouse did not work during the past 12 months CODED - same as INCNONW1 BLS derived	CHAR(1)
INCN_NW2		CHAR(1)

OCCEXPNX	During the past 12 months, what was the total amount of occupational expenses such as union dues, tools, uniforms, business or professional association dues, licenses or permits? S22F.S 1	NUM(8)
OCCE_PNX		CHAR(1)

e. *INCOME*

VARIABLE	ITEM DESCRIPTION	FORMAT
FINCBTAX	Amount of CU income before taxes in past 12 months (FSALARYX + FNONFRMX + FFRMINCX + FRRETIRX + FSSIX + UNEMPLX + COMPENSX + WELFAREX + INTEARNX + FININCX + PENSIONX + INCLOSSA + INCLOSSB + ALIOTHX + CHDOTHX + OTHRINCX + JFDSTMPA) *L BLS derived	NUM(9)
FINCBT_X		CHAR(1)
FINCATAX	Amount of CU income after taxes in past 12 months (FINCBTAX - TOTTXPDX) *L BLS derived	NUM(9)
FINCAT_X		CHAR(1)
EARNINCX	Amount of earned income before taxes by CU in past 12 months (FSALARYX + FNONFRMX + FFRMINCX) *L BLS derived	NUM(9)
EARN_NCX		CHAR(1)
NO_EARNX	Amount of CU income other than earnings before taxes in past 12 months (FRRETIRX + FSSIX + UNEMPLX + COMPENSX + WELFAREX + INTEARNX + FININCX + PENSIONX + INCLOSSA + INCLOSSB + ALIOTHX + CHDOTHX + OTHRINCX + JFDSTMPA). *L BLS derived	NUM(9)
NO_E_RNX		CHAR(1)

FSALARYX	Amount of wage and salary income before deductions received by all CU members in past 12 months (sum SALARYX from MEMI file for all CU members) BLS derived	NUM(8)
FSAL_RYX		CHAR(1)
FNONFRMX	Amount of income or loss from nonfarm business, partnership or professional practice received by all CU members in past 12 months (sum NONFARMX from MEMI file for all CU members) *L BLS derived	NUM(9)
FNON_RMX		CHAR(1)
FFRMINCX	Amount of income or loss from own farm received by all CU members in past 12 months (sum FARMINCX from MEMI file for all CU members) *L BLS derived	NUM(9)
FFRM_NCX		CHAR(1)
FRRETIRX	Amount of Social Security and Railroad Retirement income prior to deductions for medical insurance and Medicare received by all CU members in past 12 months (sum SOCRRX from MEMI file for all CU members) BLS derived	NUM(8)
FRRE_IRX		CHAR(1)
FSSIX	Amount of Supplemental Security Income from all sources received by all CU members in past 12 months (sum SSIX from MEMI file for all members) BLS derived	NUM(8)
FSSIX_		CHAR(1)
UNEMPLX	During the past 12 months, what was the total amount of income from unemployment compensation received by ALL CU members? S22B 1a	NUM(8)
UNEMPLX_		CHAR(1)

COMPENSX	During the past 12 months, what was the total amount of income from workers’ compensation or veterans’ benefits, including education benefits, but excluding military retirement, received by ALL CU members? S22B 1b	NUM(8)
COMP_NSX		CHAR(1)
WELFAREX	During the past 12 months, what was the total amount of income from public assistance or welfare including money received from job training grants such as Job Corps received by ALL CU members? S22B 1c	NUM(8)
WELF_REX		CHAR(1)
INTEARNX	During the past 12 months, what was the total amount of income from interest on savings accounts or bonds received by ALL CU members? S22B 1d	NUM(8)
INTE_RNX		CHAR(1)
FININCX	During the past 12 months, what was the total amount of regular income from dividends, royalties, estates, or trusts received by ALL CU members? S22B 1e	NUM(8)
FININCX_		CHAR(1)
PENSIONX	During the past 12 months, what was the total amount of income from pensions or annuities from private companies, military, Government, IRA, or Keogh received by ALL CU members? S22B 1f	NUM(8)
PENS_ONX		CHAR(1)
INCLOSSA	During the past 12 months, how much net income or loss was received from roomers or boarders? *L S22B 1g(1)	NUM(8)
INCL_SSA		CHAR(1)

INCLOSSB	During the past 12 months, how much net income or loss was received from payments from other rental units? *L S22B 1g(2)	NUM(8)
INCL_SSB		CHAR(1)
CHDOTHX	During the past 12 months, what was the total amount of income from child support payments in other than a lump sum amount received by ALL CU members? S22B 1h(2)	NUM(8)
CHDOTHX_		CHAR(1)
ALIOTHX	During the past 12 months, what was the total amount of income from regular contributions from alimony and other sources such as from persons outside the CU received by ALL CU members? S22B 1i(2)	NUM(8)
ALIOTHX_		CHAR(1)
OTHRINCX	During the past 12 months, what was the total amount of other money income including money received from cash scholarships and fellowships, stipends not based on working, or from the care of foster children received by ALL CU members? S22B 2c	NUM(8)
OTHR_NCX		CHAR(1)
JFDSTMPA	Annual value of Food Stamps received BLS derived	NUM(8)
JFDS_MPA		CHAR(1)

f. ***OTHER MONEY RECEIPTS***

VARIABLE	ITEM DESCRIPTION	FORMAT
NONINCMX	Amount of other money receipts excluded from CU income before taxes received by CU in past 12 months (LUMPSUMX + SALEINCX + SSOVERPX + INSRFNDX + PTAXRFDX + CHDLMPX) BLS derived	NUM(8)
NONI_CMX		CHAR(1)
LUMPSUMX	During the past 12 months, what was the total amount received from lump sum payments from estates, trusts, royalties, alimony, prizes, games of chance, or from persons outside of the CU by ALL CU members? S22B 2a	NUM(8)
LUMP_UMX		CHAR(1)
CHDLMPX	During the past 12 months, what was the total amount received from a one time lump sum payment for child support by ALL CU members? S22B 1h(1)	NUM(8)
CHDLMPX_		CHAR(1)
SALEINCX	During the past 12 months, what was the total amount received from the sale of household furnishings, equipment, clothing, jewelry, pets or other belongings, excluding the sale of vehicles or property by ALL CU members? S22B 2b	NUM(8)
SALE_NCX		CHAR(1)
SSOVERPX	During the past 12 months, what was the total amount of refund received from overpayment on Social Security by ALL CU members? S22B 3c	NUM(8)
SSOV_RPX		CHAR(1)
INSRFNDX	During the past 12 months, what was the total amount of refund received from insurance policies by ALL CU members? S22B 3d	NUM(8)
INSR_NDX		CHAR(1)

PTAXRFDX	During the past 12 months, what was the total amount of refund received from property taxes by ALL CU members? S22B 3e	NUM(8)
PTAX_FDX		CHAR(1)

g. ***TAXES***

VARIABLE	ITEM DESCRIPTION	FORMAT
TOTTXPDX	Amount of personal taxes paid by CU in past 12 months (FAMTFEDX + FSLTAXX + FEDTAXX + SLOCTAXX + TAXPROPX + MISCTAXX - (FEDRFNDX + SLRFUNDX + OTHRFNDX)) *L BLS derived	NUM(9)
TOTT_PDX		CHAR(1)
FAMTFEDX	Amount of Federal income tax deducted from last pay annualized for all CU members (sum ANFEDTX from MEMI file for all CU members) BLS derived	NUM(8)
FAMT_EDX		CHAR(1)
FEDTAXX	During the past 12 months, what was the total amount PAID for Federal income tax, in addition to that withheld from earnings, by ALL CU members? S22B 4a	NUM(8)
FEDTAXX_		CHAR(1)
FEDRFNDX	During the past 12 months, what was the total amount of refund received from Federal income tax by ALL CU members? S22B 3a	NUM(8)
FEDR_NDX		CHAR(1)
FSLTAXX	Amount of state and local income taxes deducted from last pay annualized for all CU members (sum ANSLTX from MEMI file for all CU members) BLS derived	NUM(8)
FSLTAXX_		CHAR(1)

SLOCTAXX	During the past 12 months, what was the total amount PAID for state and local income taxes, in addition to that withheld from earnings, by ALL CU members? S22B 4b	NUM(8)
SLOC_AXX		CHAR(1)
SLRFUNDX	During the past 12 months, what was the total amount of refund received from state and local income tax by ALL CU members? S22B 3b	NUM(8)
SLRF_NDX		CHAR(1)
TAXPROPX	During the past 12 months, what was the total amount PAID for personal property taxes not reported elsewhere by ALL CU members? S22B 4c	NUM(8)
TAXP_OPX		CHAR(1)
MISCTAXX	During the past 12 months, what was the total amount PAID for other taxes not reported elsewhere by ALL CU members? S22B 4d	NUM(8)
MISC_AXX		CHAR(1)
OTHRFNDX	During the past 12 months, what was the total amount of refund received from other sources, including any other taxes, by ALL CU members? S22B 3f	NUM(8)
OTHR_NDX		CHAR(1)

h. ***RETIREMENT AND PENSION DEDUCTIONS***

VARIABLE	ITEM DESCRIPTION	FORMAT
FJSSDEDX	Estimated amount of income contributed to Social Security by all CU members in past 12 months (sum JSSDEDX from MEMI file for all CU members) BLS derived	NUM(8)
FJSS_EDX		CHAR(1)

FRRDEDX	Amount of Railroad Retirement deducted from last pay annualized for all CU members (sum ANRRDEDX from MEMI file for all CU members) BLS derived	NUM(8)
FRRDEDX_		CHAR(1)
FGOVRETX	Amount of government retirement deducted from last pay annualized for all CU members (sum ANGOVRTX from MEMI file for all CU members) BLS derived	NUM(8)
FGOV_ETX		CHAR(1)
FPRIPENX	Amount of private pensions deducted from last pay annualized for all CU members (sum ANPRVPNX from MEMI file for all CU members) BLS derived	NUM(8)
FPRI_ENX		CHAR(1)
FINDRETX	Amount of money placed in an individual retirement plan, such as an IRA or Keogh, by all CU members in past 12 months (sum INDRETX from MEMI file for all CU members) BLS derived	NUM(8)
FIND_ETX		CHAR(1)

i. ***<u>CONTRIBUTIONS</u>*** (only collected in the 5th interview)

VARIABLE	ITEM DESCRIPTION	FORMAT
CSHCNTBX	During the past 12 months, how much were cash contributions for support of persons not in the CU, including alimony, child support, and students living away at college, made by you (or any members of your CU)? S22F.S 2a	NUM(8)
CSHC_TBX		CHAR(1)
ALIMOX	How much of the amount of cash contributions was for alimony? S22F.S 2a(1)	NUM(8)
ALIMOX_		CHAR(1)

CHLDSUPX	How much of the amount of cash contributions was for child support? S22F.S 2a(2)	NUM(8)
CHLD_UPX		CHAR(1)
COLLEXPX	How much of the amount of cash contributions was for the expenses of college or university students while attending school away from home? S22F.S 2a(3)	NUM(8)
COLL_XPX		CHAR(1)
CBSGFTX	During the past 12 months, how much were gifts of cash, bonds, or stocks to persons not in the CU made by you (or any members of your CU)? S22F.S 2b	NUM(8)
CBSGFTX_		CHAR(1)
CNTRCHRX	During the past 12 months, how much were contributions to charities, such as United Way, Red Cross, etc., made by you (or any members of your CU)? S22F.S 2c	NUM(8)
CNTR_HRX		CHAR(1)
CNTRELGX	During the past 12 months, how much were contributions to church or other religious organizations, excluding parochial school expenses, made by you (or any members of your CU)? S22F.S 2d	NUM(8)
CNTR_LGX		CHAR(1)
CNTEDORX	During the past 12 months, how much were contributions to educational organizations made by you (or any members of your CU)? S22F.S 2e	NUM(8)
CNTE_ORX		CHAR(1)
CNTRPOLX	During the past 12 months, how much were political contributions made by you (or any members of your CU)? S22F.S 2f	NUM(8)
CNTR_OLX		CHAR(1)

MISCNTRX	During the past 12 months, how much were other contributions made by you (or any members of your CU)? S22F.S 2g	NUM(8)
MISC_TRX		CHAR(1)

j. *FINANCIAL INFORMATION* (only collected in the 5th interview)

VARIABLE	ITEM DESCRIPTION	FORMAT
SAVACCTX	On the last day of *(last month)*, what was the total amount your CU had in savings accounts in banks, savings and loans, credit unions, and similar accounts? S22G.S 1a	NUM(10)
SAVA_CTX		CHAR(1)
COMPSAV	How does the amount your CU had at the end of the last day of (*last month)* compare with the amount your CU had on the last day of *(last month, one year ago)* in savings accounts? CODED 1 Same 2 More 3 Less S22G.S 2a	CHAR(1)
COMPSAV_		CHAR(1)
COMPSAVX	How much more (less) in savings accounts? *L S22G.S 2a	NUM(8)
COMP_AVX		CHAR(1)
CKBKACTX	On the last day of *(last month)*, what was the total amount your CU had in checking accounts, brokerage accounts and other similar accounts? S22G.S 1b	NUM(10)
CKBK_CTX		CHAR(1)

COMPCKG	How does the amount your CU had at the end of the last day of (*last month)* compare with the amount your CU had on the last day of *(last month, one year ago)* in checking accounts? CODED 1 Same 2 More 3 Less S22G.S 2b	CHAR(1)
COMPCKG_		CHAR(1)
COMPCKGX	How much more (less) in checking accounts? *L S22G.S 2b	NUM(8)
COMP_KGX		CHAR(1)
USBNDX	On the last day of *(last month)*, what was the total amount your CU had in U.S. Savings bonds? S22G.S 1c	NUM(8)
USBNDX_		CHAR(1)
COMPBND	How does the amount your CU had at the end of the last day of (*last month)* compare with the amount your CU had on the last day of *(last month, one year ago)* in U.S. Savings bonds? CODED 1 Same 2 More 3 Less S22G.S 2c	CHAR(1)
COMPBND_		CHAR(1)
COMPBNDX	How much more (less) in U.S. Savings bonds? *L S22G.S 2c	NUM(8)
COMP_NDX		CHAR(1)
SECESTX	What was the estimated value of securities, such as stocks, mutual funds, private bonds, government bonds or Treasury notes owned by you (or any members of your CU) on the last day of *(last month)*? S22G.S 3b	NUM(10)
SECESTX_		CHAR(1)

COMPSEC	How does this compare with the value of such securities your CU held on the last day of *(last month, one year ago)*? CODED 1 Same 2 More 3 Less S22G.S 3c	CHAR(1)
COMPSEC_		CHAR(1)
COMPSECX	How much more (less) is the estimated value of such securities? *L S22G.S 3c	NUM(8)
COMP_ECX		CHAR(1)
PURSSECX	During the past 12 months, what was the purchase price including broker fees of any stocks, mutual funds or bonds bought by you (or any members of your CU)? S22G.S 4	NUM(8)
PURS_ECX		CHAR(1)
SELLSECX	During the past 12 months, what was the net amount received from sales of any stocks, mutual funds or bonds after subtracting broker fees by you (or any members of your CU)? S22G.S 5	NUM(10)
SELL_ECX		CHAR(1)
BSINVSTX	During the past 12 months, how much did you (or any members of your CU) invest in your own business or farm? S22G.S 6	NUM(10)
BSIN_STX		CHAR(1)
WDBSASTX	During the past 12 months, what was the value of any assets you (or any members of your CU) withdrew from your own business or farm? S22G.S 7	NUM(10)
WDBS_STX		CHAR(1)

WDBSGDSX	During the past 12 months, what was the value of any goods or services you (or any members of your CU) withdrew from your own farm or business for personal use? S22G.S 8b	NUM(8)
WDBS_DSX		CHAR(1)
MONYOWDX	How much was owed by anyone outside of your CU to you or any member of your CU on the last day of *(last month, one year ago)*? S22G.S 10	NUM(8)
MONY_WDX		CHAR(1)
COMPOWD	How does the amount owed to your CU on the last day of (*last month)* compare with the amount owed to your CU by persons outside your CU on the last day of *(last month, one year ago)*? CODED 1 Same 2 More 3 Less S22G.S 9b	CHAR(1)
COMPOWD_		CHAR(1)
COMPOWDX	How much more (less) is owed to your CU by persons outside your CU? *L S22G.S 9b	NUM(8)
COMP_WDX		CHAR(1)
SETLINSX	During the past 12 months, how much did you (or any members of your CU) receive in settlement on surrender of any insurance policies (life or annuity)? S22G.S 11	NUM(8)
SETL_NSX		CHAR(1)

k. *HOUSING STRUCTURE*

VARIABLE	ITEM DESCRIPTION	FORMAT
BUILDING	Which best describes this building? CODED 01 Single family detached (detached structure with only one primary residence; however, the structure could include a rental unit(s) in the basement, attic, etc.) 02 Row or townhouse inner unit (2, 3 or 4 story structure with 2 walls in common with other units and a private ground level entrance; it may have a rental unit as part of structure) 03 End row or end townhouse (one common wall) 04 Duplex (detached two unit structure with one common wall between the units) 05 3-plex or 4-plex (3 or 4 unit structure with all units occupying the same level or levels) 06 Garden (a multi-unit structure, usually wider than it is high, having 2, 3, or possibly 4 floors; characteristically the units not only have common walls but are also stacked on top of one another) 07 High-rise (a multi-unit structure which has 4 or more floors) 08 Apartment or flat (a unit not described above; could be located in the basement, attic, second floor or over the garage of one of the units described above) 09 Mobile home or trailer 10 College dormitory 11 Other S01B 3	CHAR(2)
BUIL_ING		CHAR(1)
***UNISTRQ**	How many housing units, both occupied and vacant, are in this structure? Coded: 01 Only OTHER units 02 Mobile home or trailer 03 One, detached 04 One, attached 05 2 06 3-4 07 5-9 08 10-19 09 20-49 10 50 or more Control Card 15 **N(001)**	CHAR(2)

***UNISTRQ_**	**N(001)**	CHAR(1)
LOT_SIZE	What is the approximate size of the lot on which this unit is located? CODED 01 1 acre or less 02 2 acres 03 3 to 5 acres 04 6 to 10 acres 05 greater than 10 acres 06 No lot S01B 4	CHAR(2)
LOT__IZE		CHAR(1)
BUILT	About when was this building originally built? CODED 01 1990 or later 02 1985-1989 03 1980-1984 04 1975-1979 05 1970-1974 06 1965-1969 07 1960-1964 08 1955-1959 09 1950-1954 10 1945-1949 11 1940-1944 12 1930-1939 13 1920-1929 14 1910-1919 15 1900-1909 16 Before 1900 x Don't know S01B 10	CHAR(2)
BUILT_		CHAR(1)
ST_HOUS	Are these living quarters presently used as student housing by a college or university? CODED 1 Yes 2 No S01B 2	CHAR(1)
ST_HOUS_		CHAR(1)

PUBLHOUS	Is this house in a public housing project, that is, is it owned by a local housing authority or other local public agency? CODED 1 Yes 2 No S01B 1a	CHAR(1)
PUBL_OUS		CHAR(1)
GOVTCOST	Are your housing costs lower because the Federal, State, or local government is paying part of the cost? (PUBLHOUS = 2) CODED 1 Yes 2 No S01B 1b	CHAR(1)
GOVT_OST		CHAR(1)
DIRACC	Access to living quarters CODED 1 Direct access to living quarters 2 Access through another housing unit Control Card 14b	CHAR(1)
DIRACC_		CHAR(1)
ROOMSQ	How many rooms are there in this unit, including finished living areas and excluding all baths? S01B 5	NUM(3)
ROOMSQ_		CHAR(1)
BEDROOMQ	How many bedrooms are there in this unit? S01B 6	NUM(3)
BEDR_OMQ		CHAR(1)
BATHRMQ	How many complete bathrooms are there in this unit? S01B 7a	NUM(3)
BATHRMQ_		CHAR(1)
HLFBATHQ	How many half bathrooms are there in this unit? S01B 7b	NUM(3)
HLFB_THQ		CHAR(1)

HEATFUEL	What fuel is used most for heating this unit? CODED 01 Gas (underground pipes) 02 Electricity 03 Fuel oil 04 Other 05 No fuel used S01B 8a	CHAR(2)
HEAT_UEL		CHAR(1)
WATERHT	What fuel is used for heating water in this unit? CODED 01 Gas (underground pipes) 06 Electricity 07 Fuel oil 08 Other 09 No fuel used S01B 8b	CHAR(2)
WATERHT_		CHAR(1)
COOKING	What fuel is used most for cooking? Coded 01 Gas (underground piping) 02 Electricity 03 Fuel oil 04 Other fuel 05No fuel used S01B 8a	CHAR(2)
COOKING_		CHAR(1)
SWIMPOOL	Does this unit have any of the following? CODED 01 Swimming pool S01B 9	CHAR(2)
SWIM_OOL		CHAR(1)
PORCH	Does this unit have any of the following? Coded 03 Porch, terrace, patio, or balcony S01B 9	CHAR(2)
PORCH_		CHAR(1)

APTMENT	See SWIMPOOL for question and source. CODED 04 Apartment or guest house	CHAR(2)
APTMENT_		CHAR(1)
OFSTPARK	See SWIMPOOL for question and source. CODED 02 Off street parking	CHAR(2)
OFST_ARK		CHAR(1)
WINDOWAC	See SWIMPOOL for question and source. CODED 06 Window air conditioning	CHAR(2)
WIND_WAC		CHAR(1)
CNTRALAC	See SWIMPOOL for question and source. CODED 05 Central air conditioning	CHAR(2)
CNTR_LAC		CHAR(1)
RENTEQVX	If someone were to rent your home today, how much do you think it would rent for monthly, unfurnished and without utilities? S03I 13	NUM(6)
RENT_QVX		CHAR(1)

I. ***WEIGHTS***

VARIABLE	ITEM DESCRIPTION	FORMAT
FINLWT21	CU replicate weight #45 (total sample) BLS derived	NUM(11.3)

The following are the 44 half sample replicate weights WTREP01 through WTREP44 which are used for variance computations. They are all BLS derived variables.

WTREP01	CU replicate weight # 01	NUM(11.3)
WTREP02	CU replicate weight # 02	NUM(11.3)
WTREP03	CU replicate weight # 03	NUM(11.3)
WTREP04	CU replicate weight # 04	NUM(11.3)
WTREP05	CU replicate weight # 05	NUM(11.3)

WTREP06	CU replicate weight # 06	NUM(11.3)
WTREP07	CU replicate weight # 07	NUM(11.3)
WTREP08	CU replicate weight # 08	NUM(11.3)
WTREP09	CU replicate weight # 09	NUM(11.3)
WTREP10	CU replicate weight # 10	NUM(11.3)
WTREP11	CU replicate weight # 11	NUM(11.3)
WTREP12	CU replicate weight # 12	NUM(11.3)
WTREP13	CU replicate weight # 13	NUM(11.3)
WTREP14	CU replicate weight # 14	NUM(11.3)
WTREP15	CU replicate weight # 15	NUM(11.3)
WTREP16	CU replicate weight # 16	NUM(11.3)
WTREP17	CU replicate weight # 17	NUM(11.3)
WTREP18	CU replicate weight # 18	NUM(11.3)
WTREP19	CU replicate weight # 19	NUM(11.3)
WTREP20	CU replicate weight # 20	NUM(11.3)
WTREP21	CU replicate weight # 21	NUM(11.3)
WTREP22	CU replicate weight # 22	NUM(11.3)
WTREP23	CU replicate weight # 23	NUM(11.3)
WTREP24	CU replicate weight # 24	NUM(11.3)
WTREP25	CU replicate weight # 25	NUM(11.3)
WTREP26	CU replicate weight # 26	NUM(11.3)
WTREP27	CU replicate weight # 27	NUM(11.3)
WTREP28	CU replicate weight # 28	NUM(11.3)
WTREP29	CU replicate weight # 29	NUM(11.3)
WTREP30	CU replicate weight # 30	NUM(11.3)
WTREP31	CU replicate weight # 31	NUM(11.3)
WTREP32	CU replicate weight # 32	NUM(11.3)
WTREP33	CU replicate weight # 33	NUM(11.3)

WTREP34	CU replicate weight # 34	NUM(11.3)
WTREP35	CU replicate weight # 35	NUM(11.3)
WTREP36	CU replicate weight # 36	NUM(11.3)
WTREP37	CU replicate weight # 37	NUM(11.3)
WTREP38	CU replicate weight # 38	NUM(11.3)
WTREP39	CU replicate weight # 39	NUM(11.3)
WTREP40	CU replicate weight # 40	NUM(11.3)
WTREP41	CU replicate weight # 41	NUM(11.3)
WTREP42	CU replicate weight # 42	NUM(11.3)
WTREP43	CU replicate weight # 43	NUM(11.3)
WTREP44	CU replicate weight # 44	NUM(11.3)

SUMMARY EXPENDITURE DATA

Main Summary Level Expenditure Variables

For each summary expenditure category listed below there are two variables. They apportion expenditures reported for the three-month reference period of the interview to the calendar quarters, relative to the month of interview, in which the expenditures occurred. The first variable contains expenditures made by the CU in the calendar quarter previous to the month of interview. These "previous quarter" expenditure variables are identified by "PQ" placed as the last two letters of the variable name. The second variable contains expenditures made in the calendar quarter of the month of interview (last 2 letters of the variable name 'CQ'). So if CUs were interviewed in May (when they reported their February, March, and April expenditures), the “PQ” variable would contain their February and March expenditures since the previous calendar quarter to a May interview is from January to March. The “CQ” variable for these CUs would contain only their April expenditures. The variables are set up this way to facilitate analysis by calendar time period. For example, to calculate an expenditure category mean for a given calendar quarter, expenditures from the “CQ” variable for interviews conducted during the quarter of interest are added to amounts from the “PQ” variable for interviews conducted during the subsequent quarter prior to dividing by the number of observations. To derive expenditure statistics by collection period, i.e., for interviews conducted during a specific period, it is necessary to obtain all expenditures reported during each interview by summing the “PQ” and “CQ” variables of the desired expenditure category. See Section V.A.1.b. CALENDAR PERIOD VERSUS COLLECTION PERIOD for a detailed explanation of calendar and collection periods.

All of the following summary level variables are BLS derived. The composition of each summary expenditure variable is given below the variable description. An underlined UCC represents either a new UCC or a deleted UCC. Please note that new UCCs may not be represented in all quarters. The quarter in which the addition (deletion) to the summary expenditure variable occurs is denoted by a leading superscript directly prior to the UCC code. For example, ^{N001}<UCC> or ^{D001}<UCC> identifies an addition or deletion of a given UCC to the summary expenditure variable beginning in Q001.

PLEASE NOTE THE FOLLOWING:

During the CU's fifth interview, respondents are asked to provide annual (not quarterly) expenditure amounts for cash contributions, occupational expenses, and finance charges (excluding auto loans and home mortgages) in the questionnaire's annual supplement. These data are mapped to a quarterly time frame and are assigned to UCCs 710110, 800801, 800810, 800820, 800830, 800840, 800850, 800860, and 900001. There are no values for these UCCs for CUs in their second through fourth interviews. These UCCs are components of CASHCOPQ(CQ) (800801 800810 800820 800830 800840 800850 800860) and MISC2PQ(CQ) (710110 900001).

CASHCOPQ(CQ) requires some modification depending on the type of analysis performed. If the intent is to analyze the behavior of cash giving, only fifth interview families should be selected for the analysis. If population or sample estimates such as expenditure means are desired, CASHCOPQ(CQ) needs to be multiplied by 4 to approximate values for those CUs that are not in their fifth interview.

MISC2PQ(CQ) contains UCCs that are a subset of those included in MISCPQ(CQ) – miscellaneous expenditures. Component UCCs in MISCPQ(CQ) have been separated according to collection method. UCCs for which the values are obtained from questions asked in interviews 2 through 5 are now in MISC1PQ(CQ), while MISC2PQ(CQ) contains those UCCs from questions asked only in the fifth interview. To obtain population or sample estimates, the summary variable MISCX4PQ(CQ) has been created. It is comprised of MISC1PQ(CQ) expenditures and MISC2PQ(CQ) expenditures that have been multiplied by four, in order to account for families not in their fifth interviews. Similarly, TOTEX4PQ(CQ) reflects the adjustments for "non-fifth interview" families in MISC2PQ(CQ) and CASHCOPQ(CQ). Please be aware that MISCX4CQ(PQ) and TOTEX4PQ(CQ) overestimate the values of CASHCOPQ(CQ) and MISC2PQ(CQ) for "fifth interview" CUs and should only be used for population estimates.

VARIABLE	ITEM DESCRIPTION	FORMAT
TOTEXPPQ	Total expenditures last quarter (FOODPQ + ALCBEVPQ + HOUSPQ + APPARPQ + TRANSPQ + HEALTHPQ + ENTERTPQ + PERSCAPQ + READPQ + EDUCAPQ + TOBACCPQ + MISCPQ + CASHCOPQ + PERINSPQ)	NUM(12.4)
TOTEXPCQ	Total expenditures this quarter same composition as above	NUM(12.4)
TOTEX4PQ	Adjusted total expenditures last quarter (*To be used for population estimates - see information under Summary Expenditure Data heading.*) TOTEXPPQ - MISCPQ - CASHCOPQ + MISC1PQ + 4*(MISC2PQ + CASHCOPQ)	NUM(12.4)
TOTEX4CQ	Adjusted total expenditures this quarter collected in Interview Survey (*To be used for population estimates - see information under Summary Expenditure Data heading.*) same composition as above	NUM(12.4)

*NOTE: *TOTEXPPQ, *TOTEXPCQ, *TOTEX4PQ, and *TOTEX4CQ, totals exclude items which are only collected in the Diary Survey. See Section VIII for a further explanation.*

FOODPQ	Total food last quarter FDHOMEPQ + FDAWAYPQ	NUM(12.4)
FOODCQ	Total food this quarter same composition as above	NUM(12.4)
FDHOMEPQ	Food at home last quarter 190904 790220 790230	NUM(12.4)
FDHOMECQ	Food at home this quarter same UCCs as above	NUM(12.4)
FDAWAYPQ	Food away from home last quarter FDXMAPPQ + FDMAPPQ	NUM(12.4)
FDAWAYCQ	Food away from home this quarter same composition as above	NUM(12.4)
FDXMAPPQ	Food away excluding meals as pay last quarter 190901 190902 190903 790410 790430	NUM(12.4)
FDXMAPCQ	Food away excluding meals as pay this quarter same UCCs as above	NUM(12.4)
FDMAPPQ	Meals as pay last quarter 800700	NUM(12.4)
FDMAPCQ	Meals as pay this quarter same UCC as above	NUM(12.4)
ALCBEVPQ	Alcoholic beverages last quarter 200900 790310 790320 790420	NUM(12.4)
ALCBEVCQ	Alcoholic beverages this quarter same UCCs as above	NUM(12.4)
HOUSPQ	Housing last quarter SHELTPQ + UTILPQ + HOUSOPPQ + HOUSEQPQ	NUM(12.4)
HOUSCQ	Housing this quarter same composition as above	NUM(12.4)
SHELTPQ	Shelter last quarter OWNDWEPQ + RENDWEPQ + OTHLODPQ	NUM(12.4)
SHELTCQ	Shelter this quarter same composition as above	NUM(12.4)
OWNDWEPQ	Owned dwellings last quarter MRTINTPQ + PROPTXPQ + MRPINSPQ	NUM(12.4)

OWNDWECQ Owned dwellings this quarter NUM(12.4)
same composition as above

MRTINTPQ Mortgage interest last quarter NUM(12.4)
220311 220313 220321 880110

MRTINTCQ Mortgage interest this quarter NUM(12.4)
same UCCs as above

PROPTXPQ Property taxes last quarter NUM(12.4)
220211

PROPTXCQ Property taxes this quarter NUM(12.4)
same UCC as above

MRPINSPQ Maintenance, repairs, insurance, and other expenses last quarter NUM(12.4)
210901 220121 220901 230112 230113 230114
230115 230122 230142 230151 230901 240112
240122 240212 240213 240222 240312 240322
320612 320622 320632 340911 990930

MRPINSCQ Maintenance, repairs, insurance, and other expenses this quarter NUM(12.4)
same UCCs as above

RENDWEPQ Rented dwelling last quarter NUM(12.4)
RNTXRPPQ + RNTAPYPQ

RENDWECQ Rented dwellings this quarter NUM(12.4)
same composition as above

RNTXRPPQ Rent excluding rent as pay last quarter NUM(12.4)
210110 230121 230141 230150 240111 240121 240211
240221 240311 240321 320611 320621 320631 350110
790690 990920

RNTXRPCQ Rent excluding rent as pay this quarter NUM(12.4)
same UCCs as above

RNTAPYPQ Rent as pay last quarter NUM(12.4)
800710

RNTAPYCQ Rent as pay this quarter NUM(12.4)
same UCC as above

OTHLODPQ Other lodging last quarter NUM(12.4)
210210 210310 210902 220122 220212 220312
220314 220322 220902 230123 230152 230902
240113 240123 240214 240223 240313 240323
320613 320623 320633 340912 880310 990940

OTHLODCQ Other lodging this quarter NUM(12.4)
same UCCs as above

UTILPQ	Utilities, fuels and public services last quarter NTLGASPQ + ELCTRCPQ + ALLFULPQ + TELEPHPQ + WATRPSPQ	NUM(12.4)
UTILCQ	Utilities, fuels and public services this quarter same composition as above	NUM(12.4)
NTLGASPQ	Natural gas last quarter 260211 260212 260213 260214	NUM(12.4)
NTLGASCQ	Natural gas this quarter same UCCs as above	NUM(12.4)
ELCTRCPQ	Electricity last quarter 260111 260112 260113 260114	NUM(12.4)
ELCTRCCQ	Electricity this quarter same UCCs as above	NUM(12.4)
ALLFULPQ	Fuel oil and other fuels last quarter FULOILPQ + OTHFLSPQ	NUM(12.4)
ALLFULCQ	Fuel oil and other fuels this quarter same composition as above	NUM(12.4)
FULOILPQ	Fuel oil last quarter 250111 250112 250113 250114	NUM(12.4)
FULOILCQ	Fuel oil this quarter same UCCs as above	NUM(12.4)
OTHFLSPQ	Other fuels last quarter 250211 250212 250213 250214 250221 250222 250223 250224 250901 250902 250903 250904	NUM(12.4)
OTHFLSCQ	Other fuels this quarter same UCCs as above	NUM(12.4)
TELEPHPQ	Telephone services last quarter 270101 270102	NUM(12.4)
TELEPHCQ	Telephone services this quarter same UCCs as above	NUM(12.4)
WATRPSPQ	Water and other public services last quarter 270211 270212 270213 270214 270411 270412 270413 270414 270901 270902 270903 270904	NUM(12.4)
WATRPSCQ	Water and other public services this quarter same UCCs as above	NUM(12.4)
HOUSOPPQ	Household operations last quarter DOMSRVPQ + OTHHEXPQ	NUM(12.4)
HOUSOPCQ	Household operations this quarter same composition as above	NUM(12.4)

DOMSRVPQ	Domestic services last quarter DMSXCCPQ + BBYDAYPQ	NUM(12.4)
DOMSRVCQ	Domestic services this quarter same composition as above	NUM(12.4)
DMSXCCPQ	Domestic services excluding child care last quarter 340310 340410 340420 340520 340530 340903 340906 340910 340914	NUM(12.4)
DMSXCCCQ	Domestic services excluding child care this quarter same UCCs as above	NUM(12.4)
BBYDAYPQ	Babysitting and child day care last quarter 340211 340212 670310	NUM(12.4)
BBYDAYCQ	Babysitting and child day care this quarter same UCCs as above	NUM(12.4)
OTHHEXPQ	Other household expenses last quarter 330511 340510 340620 340630 340901 340907 340908 690113 690114 990900 340915	NUM(12.4)
OTHHEXCQ	Other household expenses this quarter same UCCs as above	NUM(12.4)
HOUSEQPQ	Housefurnishings and equipment last quarter TEXTILPQ + FURNTRPQ + FLRCVRPQ + MAJAPPPQ + SMLAPPPQ + MISCEQPQ	NUM(12.4)
HOUSEQCQ	Housefurnishings and equipment this quarter same composition as above	NUM(12.4)
TEXTILPQ	Household textiles last quarter 280110 280120 280130 280210 280220 280230 280900	NUM(12.4)
TEXTILCQ	Household textiles this quarter same UCCs as above	NUM(12.4)
FURNTRPQ	Furniture last quarter 290110 290120 290210 290310 290320 290410 290420 290430 290440	NUM(12.4)
FURNTRCQ	Furniture this quarter same UCCs as above	NUM(12.4)
FLRCVRPQ	Floor coverings last quarter 230133 230134 320111 320163	NUM(12.4)
FLRCVRCQ	Floor coverings this quarter same UCCs as above	NUM(12.4)

MAJAPPPQ	Major appliances last quarter 230117 230118 300111 300112 300211 300212 300221 300222 300311 300312 300321 300322 300331 300332 300411 300412 320511 320512	NUM(12.4)
MAJAPPCQ	Major appliances this quarter same UCCs as above	NUM(12.4)
SMLAPPPQ	Small appliances, miscellaneous housewares last quarter 320310 320320 320330 320340 320350 320360 320370 320521 320522	NUM(12.4)
SMLAPPCQ	Small appliances, miscellaneous housewares this quarter same UCCs as above	NUM(12.4)
MISCEQPQ	Miscellaneous household equipment last quarter 320120 320130 320150 320210 320220 320231 320232 320410 320420 320901 320902 320903 320904 340904 430130 690111 690112 690210 690220 690230 690241 690242 690243 690244 690245	NUM(12.4)
MISCEQCQ	Miscellaneous household equipment this quarter same UCCs as above	NUM(12.4)
APPARPQ	Apparel and services last quarter MENBOYPQ + WOMGRLPQ + CHLDRNPQ + FOOTWRPQ + OTHAPLPQ	NUM(12.4)
APPARCQ	Apparel and services this quarter Same composition as above	NUM(12.4)
MENBOYPQ	Clothing for men and boys last quarter MENSIXPQ + BOYFIFPQ	NUM(12.4)
MENBOYCQ	Clothing for men and boys this quarter same composition as above	NUM(12.4)
MENSIXPQ	Clothing for men, 16 and over last quarter 360110 360120 360210 360311 360312 360320 360330 360340 360350 360410 360511 360512 360901 360902	NUM(12.4)
MENSIXCQ	Clothing for men, 16 and over this quarter same UCCs as above	NUM(12.4)
BOYFIFPQ	Clothing for boys, 2 to 15 last quarter 370110 370120 370130 370211 370212 370213 370220 370311 370312 370313 370902 370903 370904	NUM(12.4)
BOYFIFCQ	Clothing for boys, 2 to 15 this quarter same UCCs as above	NUM(12.4)

WOMGRLPQ	Clothing for women and girls last quarter WOMSIXPQ + GRLFIFPQ	NUM(12.4)
WOMGRLCQ	Clothing for women and girls this quarter same composition as above	NUM(12.4)
WOMSIXPQ	Clothing for women, 16 and over last quarter 380110 380210 380311 380312 380313 380320 380331 380332 380340 380410 380420 380430 380510 380901 380902 380903	NUM(12.4)
WOMSIXCQ	Clothing for women, 16 and over this quarter same UCCs as above	NUM(12.4)
GRLFIFPQ	Clothing for girls, 2 to 15 last quarter 390110 390120 390210 390221 390222 390230 390310 390321 390322 390901 390902	NUM(12.4)
GRLFIFCQ	Clothing for girls, 2 to 15 this quarter same UCCs as above	NUM(12.4)
CHLDRNPQ	Clothing for children under 2 last quarter 410110 410120 410130 410140 410901	NUM(12.4)
CHLDRNCQ	Clothing for children under 2 this quarter same UCCs as above	NUM(12.4)
FOOTWRPQ	Footwear last quarter 400110 400210 400220 400310	NUM(12.4)
FOOTWRCQ	Footwear this quarter same UCCs as above	NUM(12.4)
OTHAPLPQ	Other apparel products and services last quarter 420110 420120 430110 430120 440110 440120 440130 440140 440150 440210 440900	NUM(12.4)
OTHAPLCQ	Other apparel products and services this quarter same UCCs as above	NUM(12.4)
TRANSPQ	Transportation last quarter CARTKNPQ + CARTKUPQ + OTHVEHPQ + GASMOPQ + VEHFINPQ + MAINRPPQ + VEHINSPQ + VRNTLOPQ + PUBTRAPQ	NUM(12.4)
TRANSCQ	Transportation this quarter same composition as above	NUM(12.4)
CARTKNPQ	Cars and trucks, new (net outlay) last quarter 450110 450210	NUM(12.4)
CARTKNCQ	Cars and trucks, new (net outlay) this quarter same UCCs as above	NUM(12.4)
CARTKUPQ	Cars and trucks, used (net outlay) last quarter 460110 460901	NUM(12.4)

CARTKUCQ	Cars and trucks, used (net outlay) this quarter same UCCs as above	NUM(12.4)
OTHVEHPQ	Other vehicles last quarter 450220 460902	NUM(12.4)
OTHVEHCQ	Other vehicles this quarter same UCCs as above	NUM(12.4)
GASMOPQ	Gasoline and motor oil last quarter 470111 470112 470113 470211 470212	NUM(12.4)
GASMOCQ	Gasoline and motor oil this quarter same UCCs as above	NUM(12.4)
VEHFINPQ	Vehicle finance charges last quarter 510110 510901 510902 850300	NUM(12.4)
VEHFINCQ	Vehicle finance charges this quarter same UCCs as above	NUM(12.4)
MAINRPPQ	Maintenance and repairs last quarter 470220 480110 480213 480214 490110 490211 490212 490221 490231 490232 490311 490312 490313 490314 490318 490319 490411 490412 490413 490501 490502 490900	NUM(12.4)
MAINRPCQ	Maintenance and repairs this quarter same UCCs as above	NUM(12.4)
VEHINSPQ	Vehicle insurance last quarter 500110	NUM(12.4)
VEHINSCQ	Vehicle insurance this quarter same UCC as above	NUM(12.4)
VRNTLOPQ	Vehicle rental, leases, licenses, and other charges last quarter 450310 450313 450314 450410 450413 450414 520110 520310 520410 520511 520512 520521 520522 520531 520532 520542 520550 520902 520903 520905 520906 620113	NUM(12.4)
VRNTLOCQ	Vehicle rental, leases, licenses, and other charges this quarter same UCCs as above	NUM(12.4)
PUBTRAPQ	Public transportation last quarter TRNTRPPQ + TRNOTHPQ	NUM(12.4)
PUBTRACQ	Public transportation this quarter same composition as above	NUM(12.4)
TRNTRPPQ	Public transportation on trips last quarter 530110 530210 530312 530411 530510 530901	NUM(12.4)

TRNTRPCQ	Public transportation on trips this quarter same UCCs as above	NUM(12.4)
TRNOTHPQ	Local public transportation, excluding on trips last quarter 530311 530412 530902	NUM(12.4)
TRNOTHCQ	Local public transportation, excluding on trips this quarter same UCCs as above	NUM(12.4)
HEALTHPQ	Health care last quarter HLTHINPQ + MEDSRVPQ + PREDRGPQ + MEDSUPPQ	NUM(12.4)
HEALTHCQ	Health care this quarter same composition as above	NUM(12.4)
HLTHINPQ	Health insurance last quarter 580111 580112 580113 580114 580311 580312 580901 580903 580904 580905 580906	NUM(12.4)
HLTHINCQ	Health insurance this quarter same UCCs as above	NUM(12.4)
MEDSRVPQ	Medical services last quarter 560110 560210 560310 560330 560400 570110 570210 570220 570230 570240	NUM(12.4)
MEDSRVCQ	Medical services this quarter same UCCs as above	NUM(12.4)
PREDRGPQ	Prescription drugs last quarter 540000	NUM(12.4)
PREDRGCQ	Prescription drugs this quarter same UCC as above	NUM(12.4)
MEDSUPPQ	Medical supplies last quarter 550110 550320 550330 550340 570901 570903	NUM(12.4)
MEDSUPCQ	Medical supplies this quarter same UCCs as above	NUM(12.4)
ENTERTPQ	Entertainment last quarter FEEADMPQ + TVRDIOPQ + OTHEQPPQ	NUM(12.4)
ENTERTCQ	Entertainment this quarter same composition as above	NUM(12.4)
FEEADMPQ	Fees and admissions last quarter 610900 620111 620121 620122 620211 620212 620221 620222 620310 620903	NUM(12.4)
FEEADMCQ	Fees and admissions this quarter same UCCs as above	NUM(12.4)

TVRDIOPQ	Televisions, radios, and sound equipment last quarter 270310 310110 310120 310130 310210 310220 310230 310311 310313 310320 310333 310334 310341 310342 340610 340902 340905 610130 620904 620912	NUM(12.4)
TVRDIOCQ	Televisions, radios, and sound equipment this quarter same UCCs as above	NUM(12.4)
OTHEQPPQ	Other equipment and services last quarter PETTOYPQ + OTHENTPQ	NUM(12.4)
OTHEQPCQ	Other equipment and services this quarter same composition as above	NUM(12.4)
PETTOYPQ	Pets, toys, and playground equipment last quarter 610110 610120 610320 620410 620420	NUM(12.4)
PETTOYCQ	Pets, toys, and playground equipment this quarter same UCCs as above	NUM(12.4)
OTHENTPQ	Other entertainment last quarter 520901 520904 520907 600110 600121 600122 600132 600141 600142 600210 600310 600410 600420 600430 600901 600902 610210 610230 620330 620905 620906 620908 620909 620919 620921 620922 620320	NUM(12.4)
OTHENTCQ	Other entertainment this quarter same UCCs as above	NUM(12.4)
PERSCAPQ	Personal care last quarter 640130 640420 650310	NUM(12.4)
PERSCACQ	Personal care this quarter same UCCs as above	NUM(12.4)
READPQ	Reading last quarter 590111 590112 590211 590212 590220 590230 660310	NUM(12.4)
READCQ	Reading this quarter same UCCs as above	NUM(12.4)
EDUCAPQ	Education last quarter 660110 660210 660900 670110 670210 670901 670902	NUM(12.4)
EDUCACQ	Education this quarter same UCCs as above	NUM(12.4)
TOBACCPQ	Tobacco and smoking supplies last quarter 630110 630210	NUM(12.4)
TOBACCCQ	Tobacco and smoking supplies this quarter same UCCs as above	NUM(12.4)

MISCPQ	Miscellaneous expenditures last quarter MISC1PQ + MISC2PQ	NUM(12.4)
MISCCQ	Miscellaneous expenditures this quarter same composition as above	NUM(12.4)
MISCX4PQ	Adjusted miscellaneous expenditures last quarter (*To be used for population estimates - see information under Summary Expenditure Data heading.*) MISC1PQ + (4*MISC2PQ)	NUM(12.4)
MISCX4CQ	Adjusted miscellaneous expenditures this quarter (*To be used for population estimates - see information under Summary Expenditure Data heading.*) same composition as above	NUM(12.4)
MISC1PQ	Miscellaneous expenditures last quarter (data collected in all interviews) 620112 680110 680140 680210 680220 680901 680902 790600 880210	NUM(12.4)
MISC1CQ	Miscellaneous expenditures this quarter (data collected in all interviews) same UCCs as above	NUM(12.4)
MISC2PQ	Miscellaneous expenditures last quarter (data collected only in fifth interview) 710110 900001	NUM(12.4)
MISC2CQ	Miscellaneous expenditures this quarter (data collected only in fifth interview) same UCCs as above *NOTE: See important information about the miscellaneous expenditure variables under the SUMMARY EXPENDITURE DATA heading prior to this list of variables.*	NUM(12.4)
CASHCOPQ	Cash contributions last quarter 800801 800810 800820 800830 800840 800850 800860	NUM(12.4)
CASHCOCQ	Cash contributions this quarter same UCCs as above *NOTE: See important information about the cash contributions variables under the SUMMARY EXPENDITURE DATA heading prior to this list of variables.*	NUM(12.4)
PERINSPQ	Personal insurance and pensions last quarter LIFINSPQ + RETPENPQ	NUM(12.4)

PERINSCQ	Personal insurance and pensions this quarter same composition as above	NUM(12.4)
LIFINSPQ	Life and other personal insurance last quarter 002120 700110	NUM(12.4)
LIFINSCQ	Life and other personal insurance this quarter same UCCs as above	NUM(12.4)
RETPENPQ	Retirement, pensions, Social Security last quarter 800910 800920 800931 800932 800940	NUM(12.4)
RETPENCQ	Retirement, pensions, Social Security this quarter same UCCs as above	NUM(12.4)

Travel related summary expenditure variables

The following summary level "travel" expenditure variables (T-variables) describe expenditures by consumer units on out-of-town trips. These variables have been constructed to facilitate research on travel related spending. Because the UCCs describing these items are scattered across several categories, they are collected in one format for the convenience of the user. As is the convention with the main summary level expenditure variables above, each of the T-variable categories are sorted by expenditures that took place during the previous calendar quarter and current calendar quarter. However for the T-variables, the previous quarter expenditure variables are appended with "P" and the current quarter expenditure variables are appended with "C".

VARIABLE	ITEM DESCRIPTION	FORMAT
TTOTALP	Total of all trip expenditures last quarter (TFOODTOP+TALCBEVP+TOTHRLOP+TTRANPRP+ TENTRMNP)	NUM(10.3)
TTOTALC	Total of all trip expenditures this quarter Same composition as above	NUM(10.3)
TFOODTOP	Total trip expenditures on food last quarter including both restaurant food and food prepared by CU (TFOODAWP+TFOODHOP)	NUM(10.3)
TFOODTOC	Total trip expenditures on food this quarter including both restaurant food and food prepared by CU Same composition as above	NUM(10.3)
TFOODAWP	Food and non-alcoholic beverages last quarter at restaurants, cafes, and fast food places during out-of-town trips 190903	NUM(10.3)
TFOODAWC	Food and non-alcoholic beverages this quarter at restaurants, cafes, and fast food places during out-of-town trips same UCC as above	NUM(10.3)
TFOODHOP	Food and beverages purchased and prepared by CU last quarter during out-of-town trips 190904	NUM(10.3)

TFOODHOC	Food and beverages purchased and prepared by CU this quarter during out-of-town trips same UCC as above	NUM(10.3)
TALCBEVP	Total trip expenditures last quarter on alcoholic beverages at restaurants, cafes, and bars 200900	NUM(10.3)
TALCBEVC	Total trip expenditures this quarter on alcoholic beverages at restaurants, cafes, and bars same UCC as above	NUM(10.3)
TOTHRLOP	Total trip expenditures on lodging last quarter including rent for vacation home, and motels 210210	NUM(10.3)
TOTHRLOC	Total trip expenditures on lodging this quarter including rent for vacation home, and motels same UCC as above	NUM(10.3)
TTRANPRP	Total trip expenditures on transportation last quarter including airfare, local transportation, tolls and parking fees, and car rentals (TGASMOTP+TVRENTLP+TTRNTRIP)	NUM(10.3)
TTRANPRC	Total trip expenditures on transportation this quarter including airfare, local transportation, tolls and parking fees, and car rentals same composition as above	NUM(10.3)
TGASMOTP	Trip expenditures on gas and oil last quarter 470113 470212	NUM(10.3)
TGASMOTC	Trip expenditures on gas and oil this quarter same UCCs as above	NUM(10.3)
TVRENTLP	Trip expenditures on vehicle rentals and other fees last quarter (TCARTRKP+TOTHVHRP+TOTHTREP)	NUM(10.3)
TVRENTLC	Trip expenditures on vehicle rentals and other fees this quarter same composition as above	NUM(10.3)
TCARTRKP	Trip expenditures on car or truck rental last quarter 520512 520522	NUM(10.3)
TCARTRKC	Trip expenditures on car or truck rental this quarter same UCCs as above	NUM(10.3)
TOTHVHRP	Trip expenditures on car or truck rental last quarter 520905 520906	NUM(10.3)
TOTHVHRC	Trip expenditures on car or truck rental this quarter same UCCS as above	NUM(10.3)

TOTHTREP	Trip expenditures last quarter for other transportation expenses including parking fees, and tolls 520532 520542	NUM(10.3)
TOTHTREC	Trip expenditures this quarter for other transportation expenses including parking fees, and tolls same UCCs as above	NUM(10.3)
TTRNTRIP	Trip expenditures last quarter for public transportation, including airfares (TFAREP+TLOCALTP)	NUM(10.3)
TTRNTRIC	Trip expenditures this quarter for public transportation, including airfares same composition as above	NUM(10.3)
TFAREP	Trip expenditures last quarter on transportation fares including airfare, intercity bus, train, and ship fare (TAIRFARP+TOTHFARP)	NUM(10.3)
TFAREC	Trip expenditures this quarter on transportation fares including airfare, intercity bus, train, and ship fare same composition as above	NUM(10.3)
TAIRFARP	Trip expenditures on airfare last quarter 530110	NUM(10.3)
TAIRFARC	Trip expenditures on airfare this quarter same UCC as above	NUM(10.3)
TOTHFARP	Tip expenditures last quarter on other transportation fares including intercity bus and train fare, and ship fare 530210 530510 530901	NUM(10.3)
TOTHFARC	Tip expenditures this quarter on other transportation fares including intercity bus and train fare, and ship fare same UCCs as above	NUM(10.3)
TLOCALTP	Trip expenditures last quarter on local transportation including taxis, buses etc. 530312 530411	NUM(10.3)
TLOCALTC	Trip expenditures this quarter on local transportation including taxis, buses etc. same UCCs as above	NUM(10.3)
TENTRMNP	Total trip expenditures on entertainment last quarter including sporting events, movies, and recreational vehicle rentals TFEESADP+TOTHENTP	NUM(10.3)
TENTRMNC	Total trip expenditures on entertainment this quarter including sporting events, movies, and recreational vehicle rentals same composition as above	NUM(10.3)
TFEESADP	Trip expenditures on miscellaneous entertainment last quarter including recreation expenses, participation sport fees, and	NUM(10.3)

	admission fees to sporting events and movies 610900 620122 620212 620222 620903	
TFEESADC	Trip expenditures on miscellaneous entertainment this quarter including recreation expenses, participation sport fees, and admission fees to sporting events and movies same UCCs as above	NUM(10.3)
TOTHENTP	Trip expenditures on recreational vehicle rentals last quarter including campers, boats, and other vehicles 520907 620909 620919	NUM(10.3)
TOTHENTC	Trip expenditures on recreational vehicle rentals this quarter including campers, boats, and other vehicles same UCCs as above	NUM(10.3)

The following variables include expenditures related to vacation homes. Because these types of expenditures are not directly related to travel, they are not included in TOTALP(C) and hence the names of these variables do not start with a "T". While principal and interest payments for owned vacation homes are included in the variables below, please be aware that rent paid for vacation homes is included in TOTHRLOP(C).

VARIABLE	**ITEM DESCRIPTION**	**FORMAT**
OWNVACP	Expenditures on owned vacation homes last quarter including mortgage interest, insurance, taxes, maintenance, and miscellaneous household equipment VOTHRLOP+VMISCHEP	NUM(10.3)
OWNVACC	Expenditures on owned vacation homes this quarter including mortgage interest, insurance, taxes, maintenance, and miscellaneous household equipment same composition as above	NUM(10.3)
VOTHRLOP	Expenditures on owned vacation homes last quarter including mortgage interest, insurance, taxes, and maintenance 210902 220122 220212 220312 220314 220322 220902 230119 230123 230152 230902 240113 240123 240214 240223 240313 240323 320613 320623 320633 340912 880310 990940	NUM(10.3)
VOTHRLOC	Expenditures on owned vacation homes this quarter including mortgage interest, insurance, taxes, and maintenance same UCCs as above	NUM(10.3)
VMISCHEP	Expenditures on miscellaneous household equipment for owned vacation homes last quarter 690243	NUM(10.3)
VMISCHEC	Expenditures on miscellaneous household equipment for owned vacation homes this quarter same UCC as above	NUM(10.3)

UTILOWNP	Expenditures on owned vacation home utilities last quarter including water, trash, electricity, and fuels VFUELOIP+VOTHRFLP+VELECTRP+VNATLGAP +VWATERPP	NUM(10.3)
UTILOWNC	Expenditures on owned vacation home utilities this quarter including water, trash, electricity, and fuels same composition as above	NUM(10.3)
VFUELOIP	Expenditures on electricity for owned vacation homes last quarter 250113	NUM(10.3)
VFUELOIC	Expenditures on electricity for owned vacation homes this quarter Same UCC as above	NUM(10.3)
VOTHRFLP	Expenditures on other fuels for owned vacation homes last quarter 250213 250223 250903	NUM(10.3)
VOTHRFLC	Expenditures on other fuels for owned vacation homes this quarter same UCCs as above	NUM(10.3)
VELECTRP	Expenditures on electricity for owned vacation homes last quarter 260113	NUM(10.3)
VELECTRC	Expenditures on electricity for owned vacation homes this quarter same UCC as above	NUM(10.3)
VNATLGAP	Expenditures on natural gas for owned vacation homes last quarter 260213	NUM(10.3)
VNATLGAC	Expenditures on natural gas for owned vacation homes this quarter same UCC as above	NUM(10.3)
VWATERPP	Expenditures on water and public services for owned vacation homes last quarter 270213 270413 270903	NUM(10.3)
VWATERPC	Expenditures on water and public services for owned vacation homes this quarter Same UCCs as above	NUM(10.3)
MRTPRNOP	Outlays on owned vacation home mortgage principle last quarter 830102 830202 830204 880320	NUM(10.3)
MRTPRNOC	Outlays on owned vacation home mortgage principle this quarter same UCCs as above	NUM(10.3)

UTILRNTP	Expenditures on rented vacation home utilities last quarter including water, trash, electricity, and fuels RFUELOIP+ROTHRFLP+RELECTRP+RNATLGAP +RWATERPP	NUM(10.3)
UTILRNTC	Expenditures on rented vacation home utilities this quarter including water, trash, electricity, and fuels same composition as above	NUM(10.3)
RFUELOIP	Expenditures on fuel oil for rented vacation homes last quarter 250114	NUM(10.3)
RFUELOIC	Expenditures on fuel oil for rented vacation homes this quarter same UCC as above	NUM(10.3)
ROTHRFLP	Expenditures on other fuels for rented vacation homes last quarter 250214 250224 250904	NUM(10.3)
ROTHRFLC	Expenditures on other fuels for rented vacation homes this quarter same UCCs as above	NUM(10.3)
RELECTRP	Expenditures on electricity for rented vacation homes last quarter 260114	NUM(10.3)
RELECTRC	Expenditures on electricity for rented vacation homes this quarter same UCC as above	NUM(10.3)
RNATLGAP	Expenditures on natural gas for rented vacation homes last quarter 260214	NUM(10.3)
RNATLGAC	Expenditures on natural gas for rented vacation homes this quarter same UCC as above	NUM(10.3)
RWATERPP	Expenditures on water and public services for rented vacation homes last quarter 270214 270414 270904	NUM(10.3)
RWATERPC	Expenditures on water and public services for rented vacation homes this quarter same UCCs as above	NUM(10.3)

Expenditure Outlays Summary Variables

Expenditure outlay summary level variables (EVARS) are used to provide a measurement of all expenditure outlays. These variables are constructed similarly to the main summary level expenditure variables in that they contain interest payments for home mortgage and vehicles when financed. The difference with with the EVARS are that they also include payments on principle for home mortgages and vehicles. Note: main summary level expenditure variables are components of the higher aggregated EVARS. The EVARS follow the same naming convention as the main summary level expenditure variables. Expenditures within the collection quarter are sorted by whether they occurred in the previous calendar quarter or in the current calendar quarter. As in the Travel related summary variables, the EVARS are appended with a "P" for previous or "C" for current.

VARIABLE	ITEM DESCRIPTION	FORMAT
ETOTALP	Total outlays last quarter, sum of outlays from all major expenditure categories. FOODPQ + ALCBEVPQ + EHOUSNGP + APPARPQ + ETRANPTP + HEALTHPQ + EENTRMTP + PERSCAPQ + READPQ + EDUCAPQ + TOBACCPQ + EMISCELP + CASHCOPQ + PERINSPQ	NUM(10.3)
ETOTALC	Total outlays this quarter, sum of outlays from all major expenditure categories. Same composition as above	NUM(10.3)
ETOTAPX4	Adjusted total outlays last quarter, sum of outlays from all major expenditure categories. FOODPQ + ALCBEVPQ + EHOUSNGP + APPARPQ + ETRANPTP + HEALTHPQ + EENTRMTP + PERSCAPQ + READPQ + EDUCAPQ + TOBACCPQ + MISC1PQ + MISC2PQ * (4) + EMISCMTP + CASHCOPQ * (4) + PERINSPQ	NUM(10.3)
ETOTACX4	Adjusted total outlays this quarter, sum of outlays from all major expenditure categories. Same composition as above	NUM(10.3)
EHOUSNGP	Total housing outlays last quarter including maintenance, fuels, public services, household operations, house furnishings, and mortgage (lump sum home equity loan or line of credit home equity loan) principle and interest. ESHELTRP + UTILPQ + HOUSOPPQ + HOUSEQPQ	NUM(10.3)
EHOUSNGC	Total housing outlays this quarter including maintenance, fuels, public services, household operations, house furnishings, and mortgage (lump sum home equity loan or line of credit home equity loan) principle and interest. Same composition as above	NUM(10.3)
ESHELTRP	Shelter outlays last quarter including mortgage principle and interest for owned home and/or vacation home, rents, insurance, taxes, and maintenance. EOWNDWLP + RENDWEPQ + EOTHLODP	NUM(10.3)

ESHELTRC	Shelter outlays this quarter including mortgage principle and interest for owned home and/or vacation home, rents, insurance, taxes, and maintenance. Same composition as above	NUM(10.3)
EOWNDWLP	Owned home outlays last quarter including mortgage principal and interest, property taxes, maintenance, insurance, and other expenses. OWNDWEPQ + EMRTPNOP	NUM(10.3)
EOWNDWLC	Owned home outlays this quarter including mortgage principal and interest, property taxes, maintenance, insurance, and other expenses. Same composition as above	NUM(10.3)
EOTHLODP	Outlays for other lodging last quarter such as owned vacation home, including mortgage principal and interest, property taxes, maintenance, insurance, and other expenses. OTHLODPQ, EMRTPNVP	NUM(10.3)
EOTHLODC	Outlays for other lodging this quarter such as owned vacation home, including mortgage principal and interest, property taxes, maintenance, insurance, and other expenses. Same composition as above	NUM(10.3)
EMRTPNOP	Mortgage principal outlays last quarter for owned home. 830201, 830203, 880120 Since the value of the cost variable for these UCCs are always negative, the absolute value of the MTBI costs are used to convert the values of this family file variable to positive values.	NUM(10.3)
EMRTPNOC	Mortgage principal outlays this quarter for owned home. Same composition as above	NUM(10.3)
EMRTPNVP	Mortgage principal outlays last quarter for owned vacation home. 830202, 830204, 880320 Since the value of the cost variable for these UCCs are always negative, the absolute value of the MTBI costs are used to convert the values of this family file variable to positive values.	NUM(10.3)
EMRTPNVC	Mortgage principal outlays this quarter for owned vacation home. Same composition as above	NUM(10.3)
ETRANPTP	Total outlays for transportation this quarter including down payment, principal and finance charges paid on loans, gasoline and motor oil, maintenance and repairs, insurance, public transportation, and vehicle rental licenses and other charges. EVEHPURP + GASMOPQ + MAINRPPQ + VEHINSPQ + VRNTLOPQ + PUBTRAPQ	NUM(10.3)

ETRANPTC	Total outlays for transportation last quarter including down payment, principal and finance charges paid on loans, gasoline and motor oil, maintenance and repairs, insurance, public transportation, and vehicle rental licenses and other charges. Same composition as above	NUM(10.3)
EVEHPURP	Outlays for vehicle purchases this quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. ECARTKNP + ECARTKUP + EOTHVEHP	NUM(10.3)
EVEHPURC	Outlays for vehicle purchases last quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. Same composition as above	NUM(10.3)
ECARTKNP	Outlays for new vehicle purchases this quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. 870101, 870102, 870103, 870104	NUM(10.3)
ECARTKNC	Outlays for new vehicle purchases last quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. Same composition as above	NUM(10.3)
ECARTKUP	Outlays for used vehicle purchases this quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. 870201, 870202, 870203, 870204	NUM(10.3)
ECARTKUC	Outlays for used vehicle purchases last quarter including down payment, principal and interest paid on loans, or if not financed, purchase amount. Same composition as above	NUM(10.3)
EOTHVEHP	Outlays for other vehicle purchases this quarter such as motorcycles and airplanes including down payment, principal and interest paid on loans, or if not financed, purchase amount. 870301, 870302, 870303, 870304	NUM(10.3)
EOTHVEHC	Outlays for other vehicle purchases last quarter such as motorcycles and airplanes including down payment, principal and interest paid on loans, or if not financed, purchase amount. Same composition as above	NUM(10.3)
EENTRMTP	Total entertainment outlays this quarter including sound systems, sports equipment, toys, cameras, and down payments on boats and campers. FEEADMPQ, TVRDIOPQ, PETTOYPQ, EOTHENTP	NUM(10.3)
EENTRMTC	Total entertainment outlays last quarter including sound	NUM(10.3)

	systems, sports equipment, toys, cameras, and down payments on boats and campers. Same composition as above	
EOTHENTP	Outlays for other entertainment supplies this quarter, equipment, and services including down payments on boats and campers. ENOMOTRP + EMOTRVHP + EENTMSCP	NUM(10.3)
EOTHENTC	Outlays for other entertainment supplies last quarter, equipment, and services including down payments on boats and campers. Same composition as above	NUM(10.3)
ENOMOTRP	Outlays for non-motored recreational vehicles this quarter. 870401, 870402, 870403, 870404, 870501, 870502, 870503, 870504	NUM(10.3)
ENOMOTRC	Outlays for non-motored recreational vehicles last quarter. Same composition as above	NUM(10.3)
EMOTRVHP	Outlays for motored recreational vehicles this quarter. 870605, 870606, 870607, 870608, 870701, 870702, 870703, 870704, 870801, 870802, 870803, 870804	NUM(10.3)
EMOTRVHC	Outlays for motored recreational vehicles last quarter. Same composition as above	NUM(10.3)
EENTMSCP	Miscellaneous entertainment outlays this quarter including photographic and sports equipment, and boat and RV rentals. 520901, 520904, 520907, 600110, 600210, 600310, 600410, 600420, 600430, 600901, 600902, 610210, 610230, 620320, 620330, 620905, 620906, 620908, 620909, 620919, 620921, 620922	NUM(10.3)
EENTMSCC	Miscellaneous entertainment outlays last quarter including photographic and sports equipment, and boat and RV rentals. Same composition as above	NUM(10.3)
EMISCELP	Miscellaneous outlays this quarter including reduction of mortgage principal (lump sum home equity loan) on other property. MISCPQ + EMISCMTP	NUM(10.3)
EMISCELC	Miscellaneous outlays last quarter including reduction of mortgage principal (lump sum home equity loan) on other property. Same composition as above	NUM(10.3)
EMISCMTP	Mortgage principal outlays this quarter for other property. 790920, 790940, 880220 Since the value of the cost variable for these UCCs are always negative, the absolute value of the MTBI costs are used to convert the values of this family file variable to positive values.	NUM(10.3)

EMISCMTC	Mortgage principal outlays last quarter for other property. Same composition as above	NUM(10.3)

2. ***MEMBER CHARACTERISTICS AND INCOME (MEMI) FILE***

The "MEMI" file, also referred to as the "Member Characteristics and Income" file, contains selected characteristics for each CU member, including identification of relationship to reference person. Characteristics for the reference person and spouse appear on both the MEMI file and FMLI file.

Demographic characteristic data, such as age of CU member, refer to the member status on the date of the interview. Characteristic information may change between interviews. Income data are collected in the second and fifth interviews for all CU members over 13 years of age and in the third and fourth interviews for members over 13 who are new to the CU or who previously reported not working and are now working. Member income data from the second interview are carried over to the third and fourth interviews subject to the above conditions. Income variables contain annual values for the 12 months prior to the interview month. Income taxes withheld and pension and retirement contributions are shown both annually and as deductions from the member's last paycheck. When there is a valid nonresponse, or where nonresponse occurs and there is no imputation, there will be missing values. The type of nonresponse is explained by associated data flag variables described in Section III.C. DATA FLAGS.

a. ***CU AND MEMBER IDENTIFIERS***

VARIABLE	ITEM DESCRIPTION	FORMAT
NEWID	CU identification number. Digits 1-7 (CU sequence number, 1 through 9999999) uniquely identify the CU. Digit 8 is the interview number, 2 through 5. It is possible for a CU to skip an interview. For example, a CU could have a 2nd, 3rd and 5th interview but no 4th interview. BLS derived	NUM(8)
MEMBNO	Person line number Control Card 16	NUM(2)

b. *CHARACTERISTICS OF MEMBER*

VARIABLE	ITEM DESCRIPTION	FORMAT
CU_CODE	What is the member's relationship to *(reference person)*? CODED 1 Reference person 2 Spouse 3 Child or adopted child 4 Grandchild 5 In-law 6 Brother or sister 7 Mother or father 8 Other related person 9 Unrelated person 0 Blank, or illegible entry Control Card 19	CHAR(1)
CU_CODE_		CHAR(1)
AGE	What is the member's date of birth? (Age is verified.) Control Card 24	NUM(2)
AGE_		CHAR(1)
RACE	What is the race of each person in this CU? CODED 1 White 2 Black 3 American Indian, Aleut, or Eskimo 4 Asian or Pacific Islander Control Card 25	CHAR(1)
RACE_		CHAR(1)
SEX	Is the member male or female? CODED 1 Male 2 Female Control Card 21	CHAR(1)
SEX_		CHAR(1)
MARITAL	Is the member now . . . ? (Marital status) CODED 1 Married 2 Widowed 3 Divorced 4 Separated 5 Never married	CHAR(1)

Control Card 27

MARITAL_		CHAR(1)
ORIGINR	What is the member's ethnic origin or ancestry?	CHAR(1)

CODED
1 European:
German
Italian
Irish
French
Polish
Russian
English
Scottish
Dutch
Swedish
Hungarian
2 Spanish:
Mexican American
Chicano
Mexican
Puerto Rican
Cuban
Central or South American
Other Spanish
3 Afro-American (Black or Negro)
4 Another group not listed / Don't know

Control Card 26

EDUCA	What is the highest level of school the member has completed or the highest degree the member has received?	CHAR(2)

CODED
00 Never attended school
01-11 1st grade through 11th grade
38 Twelfth grade – no degree
39 High school graduate
40 Some college – no degree
41 Associate's degree (occupational/vocational)
42 Associate's degree (academic)
43 Bachelor's degree
44 Master's degree
45 Professional degree
46 Doctorate degree

Control Card 28a

EDUCA_		CHAR(1)
IN_COLL	Is the member currently enrolled in a college or university either . . .?	CHAR(1)

CODED
1 Full time

2 Part time
3 Not at all

Control Card 28b

IN_COLL_		CHAR(1)
ARM_FORC	Is the member now in the armed forces? CODED 1 Yes 2 No Control Card 29	CHAR(1)
ARM__ORC		CHAR(1)
EARNER	Does member earn income? CODED 1 Yes, member earns income. 2 No, member does not earn income. BLS derived	CHAR(1)
EARNER_		CHAR(1)
EARNTYPE	Type of earner CODED 1 Member worked full time for a full year. 2 Member worked part time for a full year. 3 Member worked full time for part of year. 4 Member worked part time for part of year. BLS derived	CHAR(1)
EARN_YPE		CHAR(1)
SCHMLWKQ	How many weeks did the member purchase meals at school? S20A 10b (d)	NUM(2)
SCHM_WKQ		CHAR(1)
SCHMLWKX	What is the usual WEEKLY expense for the meals the member purchased at school? S20A 10b (c)	NUM(3)
SCHM_WKX		CHAR(1)

c. *WORK EXPERIENCE OF MEMBER*

VARIABLE	ITEM DESCRIPTION	FORMAT
INCWEEKQ	In the last 12 months, how many weeks did the member work either full or part time not counting work around the house? Include paid vacation and paid sick leave. S22A-E 2	NUM(2)
INCW_EKQ		CHAR(1)
INC_HRSQ	In the weeks that the member worked, how many hours did the member usually work per week? S22A-E 3	NUM(3)
INC__RSQ		CHAR(1)
OCCUCODE	The job in which the member received the most earnings during the past 12 months fits best in the following category: CODED Manager, professional 01 Administrator, manager 02 Teacher 03 Professional Administrative support, technical, sales 04 Administrative support, including clerical 05 Sales, retail 06 Sales, business goods and services 07 Technician Service 08 Protective service 09 Private household service 10 Other service Operator, assembler, laborer 11 Machine operator, assembler, inspector 12 Transportation operator 13 Handler, helper, laborer Precision production, craft, repair 14 Mechanic, repairer, precision production 15 Construction, mining Farming, forestry, fishing 16 Farming 17 Forestry, fishing, groundskeeping Armed forces 18 Armed forces S22A-E 4a	CHAR(2)
OCCU_ODE		CHAR(1)
INCOMEY	Was the member . . . ? (Type of employee) Refers to job where member received the most earnings in the past 12 months. CODED	CHAR(1)

1 An employee of a PRIVATE company, business, or individual working for wages or salary
2 A Federal government employee
3 A State government employee
4 A local government employee
5 Self-employed in OWN business, professional practice or farm
6 Working WITHOUT PAY in family business or farm,

S22A-E 4b

INCOMEY_		CHAR(1)
INCORP	Is the business incorporated? (For members who are self-employed in own business or professional practice, excluding farms.) Refers to job where member received the most earnings in the past 12 months. CODED 1 Yes 2 No S22A-E 4b	CHAR(1)
INCORP_		CHAR(1)
PWRKSTAT	Work status of member in past 12 months (Refers to job where member received the most earnings in the past 12 months.) CODED 1 Salaried 2 Self-employed 3 Working without pay BLS derived	CHAR(1)
PWRK_TAT		CHAR(1)
INCNONWK	What was the main reason the member did not work during the past 12 months? Was the member . . .? CODED 1 Retired 2 Taking care of home/family 3 Going to school 4 Ill, disabled, unable to work 5 Unable to find work 6 Doing something else S22A-E 5	CHAR(1)
INCN_NWK		CHAR(1)

d. *INCOME*

VARIABLE	ITEM DESCRIPTION	FORMAT
SALARYX	During the past 12 months, what was the amount of wages or salary income received before any deductions? S22A-E 6a	NUM(10)
SALARYX_		CHAR(1)
GROSPAYX	What was the gross amount of the member's last pay? S22A-E 9	NUM(10)
GROS_AYX		CHAR(1)
PAYPERD	What period of time did this last gross pay cover? CODED 1 One week 2 Two weeks 3 Month 4 Quarter 5 Year 6 Other 7 Twice a month S22A-E 9	CHAR(1)
PAYPERD_		CHAR(1)
NONFARMX	During the past 12 months, what was the amount of income or loss from the member's own nonfarm business, partnership or professional practice after expenses? *L S22A-E 6b	NUM(10)
NONF_RMX		CHAR(1)
NFRMLOSS	Was there a loss from the member's own nonfarm business, partnership, or professional practice? CODED 3 Loss S22A-E 6b	CHAR(1)
NFRM_OSS		CHAR(1)
FARMINCX	During the past 12 months, what was the amount of income or loss from the member's own farm after expenses? *L S22A-E 6c	NUM(10)

FARM_NCX		CHAR(1)
FARMLOSS	Was there a loss from the member's own farm? CODED 3 Loss S22A-E 6c	CHAR(1)
FARM_OSS		CHAR(1)
SOCRRX	Amount of Social Security and Railroad Retirement income received by member in past 12 months BLS derived	NUM(8)
SOCRRX_		CHAR(1)
RRRETIRX	What was the amount of the last Social Security or Railroad Retirement payment received? (In past 12 months) S22A-E 7d	NUM(8)
RRRE_IRX		CHAR(1)
INCMEDCR	Is the amount of the last Social Security or Railroad Retirement payment received AFTER the deduction for a Medicare premium? CODED 1 Yes 2 No S22A-E 7e	CHAR(1)
INCM_DCR		CHAR(1)
SS_RRQ	During the past 12 months, how many Social Security or Railroad Retirement payments did the member receive? S22A-E 7f	NUM(2)
SS_RRQ_		CHAR(1)
SSIX	During the past 12 months, how much did the member receive in Supplemental Security Income checks altogether? (From U.S. Government and State or local Government) S22A-E 8b	NUM(8)
SSIX_		CHAR(1)

e. ***TAXES***

VARIABLE	ITEM DESCRIPTION	FORMAT
ANFEDTX	Annualized amount of Federal income tax deducted from last pay ((AMTFED/GROSPAYX) x SALARYX) BLS derived	NUM(8)
ANFEDTX_		CHAR(1)
AMTFED	How much was deducted from the member's last pay for Federal income tax? S22A-E 10a	NUM(8)
AMTFED_		CHAR(1)
ANSLTX	Annualized amount of state and local income taxes deducted from last pay ((SLTAXX/GROSPAYX x SALARYX) BLS derived	NUM(8)
ANSLTX_		CHAR(1)
SLTAXX	How much was deducted from the member's last pay for state and local income tax? S22A-E 10b	NUM(8)
SLTAXX_		CHAR(1)

f. ***RETIREMENT AND PENSION DEDUCTIONS***

VARIABLE	ITEM DESCRIPTION	FORMAT
SSNORM	Are Social Security payments normally deducted from your paycheck? CODED 1 Yes 2 No S22A-E 10g	CHAR(1)
SSNORM_		CHAR(1)

JSSDEDX	Estimated amount of income contributed to Social Security by member in past 12 months BLS derived	NUM(6)
MEDICOV	Does the money deducted for Social Security cover only the Medicare portion of Social Security? CODED 1 Yes 2 No S22A-E 11	CHAR(1)
MEDICOV_		CHAR(1)
SLFEMPSS	Amount of income contributed to Social Security by member if self-employed BLS derived	NUM(6)
SLFE_PSS		CHAR(1)
ANRRDEDX	Annualized amount of Railroad Retirement deducted from last pay ((RRRDEDX/GROSPAYX x SALARYX) BLS derived	NUM(8)
ANRR_EDX		CHAR(1)
RRRDEDX	How much was deducted from the member's last pay for Railroad Retirement? S22A-E 10d	NUM(8)
RRRDEDX_		CHAR(1)
ANGOVRTX	Annualized amount of Government Retirement deducted from last pay ((GOVRETX/GROSPAYX x SALARYX) BLS derived	NUM(8)
ANGO_RTX		CHAR(1)
GOVRETX	How much was deducted from the member's last pay for Government Retirement? S22A-E 10e	NUM(8)
GOVRETX_		CHAR(1)
ANPRVPNX	Annualized amount of private pensions deducted from last pay ((PRIVPENX/GROSPAYX x SALARYX) BLS derived	NUM(8)

ANPR_PNX		CHAR(1)
PRIVPENX	How much was deducted from the member's last pay for private pension fund? S22A-E 10f	NUM(8)
PRIV_ENX		CHAR(1)
EMPLCONT	Other than Social Security, did any employer or union that the member worked for during the last 12 months contribute to a pension or retirement plan that the member was enrolled in? CODED 1 Yes 2 No S22A-E 12	CHAR(1)
EMPL_ONT		CHAR(1)
INDRETX	During the past 12 months, how much money did the member place in a retirement plan such as Individual Retirement Account (IRA & Keogh)? (Exclude rollovers) S22A-E 13b	NUM(10)
INDRETX_		CHAR(1)

3. ***MONTHLY EXPENDITURES (MTBI) FILE***

In the MTBI file, each expenditure reported by a CU is identified by UCC, gift/nongift status, and month in which the expenditure occurred. UCCs are six digit codes that identify items or groups of items. (See Section XIII.A for a listing of UCCs.) The expenditure data record purchases that were made during the three month period prior to the month of the interview. There may be more than one record for a UCC in a single month if that is what was reported to the interviewer. There are no missing values in this file. If no expenditure was reported for the item(s) represented by a UCC, then there is no record for the UCC on the file.

The following UCCs are from questions asked only in the 2nd or 5th interviews.

006001	Total amount owed to creditors (2nd interview)
006002	Total amount owed to creditors (5th interview)
710110	Finance charges, excluding mortgage and vehicles (5th interview)

NOTE: To be used at the macro level, the above UCCs need to be multiplied by 4 in order to account for those CUs that are not asked these questions.

VARIABLE	ITEM DESCRIPTION	FORMAT
NEWID	CU identification number. Digits 1-7 (CU sequence number, 1 through 9999999) uniquely identify the CU. Digit 8 is the interview number, 2 through 5. It is possible for a CU to skip an interview. For example, a CU could have a 2nd, 3rd and 5th interview but no 4th interview. BLS derived	NUM(8)
UCC	Universal Classification Code See Section XIII.A. for a listing of MTBI UCC codes and titles. BLS derived	CHAR(6)
COST	Cost *L BLS derived	NUM(12.4)
COST_	Cost flag CODED Computation Status of Cost: T Topcoded 0 No change 1 One of the source fields was flagged by Census 2 Manually updated Note: All of the following flags (3-9 & Q-S) indicate the source field data were adjusted by BLS. 3 Imputation 4 Allocation 5 Imputation and allocation 6 Computation 7 Computation and imputation 8 Computation and allocation 9 Computation, imputation and allocation Q Manual imputation R Manual allocation S Special processing of trips and vacations data BLS derived	CHAR(1)
GIFT	Was item bought for someone outside the CU? CODED 1 Yes 2 No BLS derived	CHAR(1)
PUBFLAG	Is cost included in published bulletin? CODED 1 Not published	CHAR(1)

2 Published in Integrated Bulletin

BLS derived

REF_MO	Reference month of this expenditure	CHAR(2)
	BLS derived	
REF_YR	Reference year of this expenditure	CHAR(4)
	BLS derived	

4. ***INCOME (ITBI) FILE***

The "ITBI" file, also referred to as the "Income" file, contains CU characteristics and income data. This file is created directly from the FMLI file and contains the same annual and point-of-interview data in a monthly format. It was created to facilitate computer processing when linking CU income and characteristics data with MTBI expenditure data. As such, the file structure is similar to MTBI. Each characteristic and income item is identified by UCC (See Section XIII.B. for a listing of UCCs), gift/nongift status, and month. There are no records with missing values in ITBI. If the corresponding FMLI file variable contained a missing value, there is no record for the UCC.

The following UCCs are from questions asked only in the 5th interview. Therefore, there will be no values for these UCCs for CUs in their 2nd through 4th interviews. They have been multiplied by 4 because these data are used as estimated values for those CUs not asked the questions in that particular quarter. Therefore, to be used at the micro level they should be divided by 4. For example, if a CU reports $50,000 for cash contributions for support to persons not in the CU for the past 12 months, the amount of (($50,000*4)/12 = $16666.67) is entered as the cost for each of the 3 months of the quarter for UCC 800801. It is multiplied by 4 because only one-fourth of all CUs interviewed in a quarter are asked this question (those in the fifth interview) and it is divided by 12 to make it a monthly figure. To obtain the annual value for the CU, sum the cost for the 3 months, for the following UCCs:

001000	800810
001010	800820
001210	800830
001220	800840
002010	800850
002020	800860
002030	900001
003000	920010
003100	920020
800801	920030
800802	920040

UCCs, 800801, 800810-800860, and 900001 are used to calculate total expenditures in CE publications. These UCCs are not included when calculating total expenditures for creating the FMLI variable ERANKMTH, which is used for expenditure ranking, because including these UCCs would increase total expenditures of only CUs asked these questions, resulting in misleading rankings. For the summary variables in the FMLI file, these UCCs were included, but not multiplied by 4.

VARIABLE	ITEM DESCRIPTION	FORMAT
NEWID	CU identification number. Digits 1-7 (CU sequence number, 1 through 9999999) uniquely identify the CU. Digit 8 is the interview number, 2 through 5. It is possible for a CU to skip an interview. For example, a CU could have a 2nd, 3rd and 5th interview but no 4th interview. BLS derived	NUM(8)
REFMO	Reference month BLS derived	CHAR(2)
REFYR	Reference year BLS derived	CHAR(4)
UCC	Universal Classification Code See Section XIII.B. for a listing of ITBI UCC codes and titles. BLS derived	CHAR(6)
PUBFLAG	Is value included in published bulletin? CODED 1 Not published 2 Published in Integrated Bulletin BLS derived	CHAR(1)
VALUE	Value of UCC *L BLS derived	NUM(12.4)
VALUE_	Value flag CODED T - Topcoded Blank - Not topcoded BLS derived	CHAR(1)
GIFT	Was the item a contribution to someone outside the CU? CODED 1 Yes 2 No BLS derived	CHAR(1)

5. ***DETAILED EXPENDITURES (EXPN) FILES***

a. ***SECTION 1 GENERAL SURVEY INFORMATION (APL)***

PART C Major Household Appliances - For New Consumer Units Only

VARIABLE	ITEM DESCRIPTION	FORMAT
QYEAR	Quarter and year of the interview, for use in matching to the other files CODED 20001 2000, 1st quarter 20002 2000, 2nd quarter 20003 2000, 3rd quarter 20004 2000, 4th quarter 20011 2001, 1st quarter BLS derived	CHAR(5)
NEWID	CU identification number. Digits 1-7 (CU sequence number, 1 through 9999999) uniquely identify the CU. Digit 8 is the interview number, 2 through 5. It is possible for a CU to skip an interview. For example, a CU could have a 2nd, 3rd and 5th interview but no 4th interview. BLS derived	NUM(8)
SEQNO	Sequence number, uniquely identifies each EXPN record based on order of entries on survey questionnaire BLS derived	NUM(3)
ALCNO	Allocation number, field in common to all rows. Identifies rows that are the result of allocation. If ALCNO is greater than zero then the observation is a result of allocation. ALCNO can be used in conjunction with SEQNO to derive a value which has been allocated and written over with the flag H (see the notes under "ALLOCATION AND RECORD ORIGIN" for instructions). BLS derived	NUM(3)
REC_ORIG	Describes the origin of the record, field in common to all records (see "ALLOCATION AND RECORD ORIGIN" for the codes and their descriptions). CENSUS derived	CHAR(1)

This file contains an inventory of major household appliances belonging to the CU. These questions are asked at the first interview and the information is carried forward to subsequent interviews through the inventory update process. Note that the title of this section on the questionnaire each user has received indicates it is asked "For New Consumer Units Only". This is because this questionnaire is used for the second through fifth interviews. The section would only be completed if a new CU had moved to the sample address, replacing an old CU that had previously participated.

VARIABLE	ITEM DESCRIPTION	FORMAT
MAJCODE	Does your CU have any of the following appliances? CODED 01 Electric stove 02 Gas stove 03 Microwave oven 04 Other cooking stove 05 Refrigerator 06 Home freezer 07 Built-in dishwasher 08 Portable dishwasher 09 Garbage disposal 10 Clothes washer 11 Clothes dryer 12 Color televisions 13 Computers, not solely for games 14 Sound components, component systems, or compact disc sound systems 15 Video tape recorder, video disc player, or video cassette recorders (VCR's) BLS derived	CHAR(2)
MAJCODE_		CHAR(1)
MAJAPPLQ	How many of each appliance? S01C col. B	NUM(2)
MAJA_PLQ		CHAR(1)
APPLSTAT	Appliance status CODED 1 Purchased for own use 2 Included with own house 3 Received as a gift 4 Included with rental unit 5 Rented separately S01C col. c	CHAR(1)
APPL_TAT		CHAR(1)

b. ***SECTION 2 RENTED LIVING QUARTERS (RNT)***

PART A CU Tenure, Rental Payments, Facilities, and Services for the Sample Unit
PART B Rental Payments, Facilities, and Services for Other Than Sample Unit

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
SAMP_UN	Is this the sample unit? CODED 1 This is the sample unit (=Part A). 2 This is not the sample unit (=Part B). BLS derived	CHAR(1)
SAMP_UN_		CHAR(1)
RNTLPRD	What period of time does this rental charge cover? CODED 4 Month 9 Other S02A/B 2b/1b	CHAR(1)
RNTLPRD_		CHAR(1)
RTPMTQ	Since the 1st of *(month, 3 months ago)*, how many payments have been made? S02A/B 2c/1c	NUM(3)
RTPMTQ_		CHAR(1)
RTPMTRG	Were all the payments for the same amount? CODED 1 Yes 2 No S02A/B 2d/1d	CHAR(1)
RTPMTRG_		CHAR(1)
RTCREXP	Were any payments made during the current month? CODED 1 Yes 2 No S02A/B 2f/1f	CHAR(1)
RTCREXP_		CHAR(1)

RTELECT	Does the rental payment include the cost of electricity? CODED 1 Yes 2 No S02A/B 3a/2a	CHAR(1)
RTELECT_		CHAR(1)
RTGAS	Does the rental payment include the cost of gas? CODED 1 Yes 2 No S02A/B 3b/2b	CHAR(1)
RTGAS_		CHAR(1)
RTWATER	Does the rental payment include the cost of piped-in water? CODED 1 Yes 2 No S02A/B 3c/2c	CHAR(1)
RTWATER_		CHAR(1)
RTHEAT	Does the rental payment include the cost of heating? CODED 1 Yes 2 No S02A/B 3d/2d	CHAR(1)
RTHEAT_		CHAR(1)
RTTRASH	Does the rental payment include the cost of trash/garbage collection? CODED 1 Yes 2 No S02A/B 3e/2e	CHAR(1)
RTTRASH_		CHAR(1)
RTASPAY	Did you (or any members of your CU) receive free or reduced rent for this unit as a form of pay since the first of *(month, 3 months ago)*? CODED 1 Yes 2 No S02A/B 4a/3a	CHAR(1)
RTASPAY_		CHAR(1)

RTCOMPX	What is the rental charge to another tenant for a similar unit? S02A/B 4b/3b	NUM(6)
RTCOMPX_		CHAR(1)
RTCMPPD	What period of time does this charge cover? CODED 4 Month 9 Other S02A/B 4c/3c	CHAR(1)
RTCMPPD_		CHAR(1)
RTBSNSZ	What percent of the rental payment is counted as a business expense? S02A/B 5b/4b	NUM(4.2)
RTBSNSZ_		CHAR(1)
JRTPAYQV	Quarterly value of rent received as pay BLS derived	NUM(8)
JRTP_YQV		CHAR(1)
QRT3MCMX	Total rental payments made in reference period, adjusted for business and rooms rented to others. Includes extra charges for garage and parking facilities. Census derived	NUM(8)
QRT3_CMX		CHAR(1)

c. ***SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE***

PART B Detailed Property Description (OPB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOB	Property number S03B 1a	CHAR(2)
PROP0NOB		CHAR(1)
OWNYB	Property code CODED	CHAR(3)

100 The home in which you (your CU) currently live(s)
200 A home in which you (your CU) used to live
300 A second home, vacation home or recreational property
400 Unimproved land with no buildings on it
500 Other property

S03B 1b

OWNYB_ CHAR(1)

OBSNSZB What percent of the expenses are deducted as business, farm or rental expenses? NUM(4.2)

S03B 2b

OBSNSZB_ CHAR(1)

PROPTYPE Is this property a condominium, cooperative, or something else? (Asked if not apparent.) CHAR(1)
CODED
1 A condominium
2 A cooperative
3 Something else

S03B 10

PROP_YPE CHAR(1)

ACQUIRMO In what month did you close or settle on this property? If land contract – In what month did the land contract begin? CHAR(2)

S03B 3a

ACQU_RMO CHAR(1)

ACQUIRYR In what year did you close or settle on this property? (See ACQUIRMO) CHAR(4)

S03B 3a

ACQU_RYR CHAR(1)

ACQMETH How did you (your CU) acquire this property? CHAR(1)
CODED
1 A purchase, a contract with a builder, or a trade-in
2 A gift or inheritance
3 Other

S03B 4

ACQMETH_ CHAR(1)

OWN_PURX Not including closing costs, what was the total price paid for the property? NUM(8)

S03B 5

OWN__URX		CHAR(1)
OWNDPMTX	What was the amount of the down payment? S03B 6	NUM(8)
OWND_MTX		CHAR(1)
CLOSECST	About how much were the closing costs? (Includes property survey charges, title search, recording fees, transfer taxes, escrow payment, points paid by buyer, deed preparation, lawyer’s fees, advertising cost, etc.) S03B 7	NUM(8)
CLOS_CST		CHAR(1)
PROPVALX	About how much do you think this property would sell for on today's market? S03B 8	NUM(8)
PROP_ALX		CHAR(1)
VSHARED	Do you (Does your CU) share ownership of this property with anyone else outside of your CU? (OWNYB = 300 only) CODED 1 Yes 2 No S03B 12	CHAR(1)
VSHARED_		CHAR(1)
VTIMESHR	Do you (Does your CU) share ownership for the entire year or is this a time-sharing arrangement where you have (your CU has) ownership of the property only for a specified time period each year? (OWNYB = 300 only) CODED 1 Share ownership for entire year 2 Time-sharing arrangement S03B 13	CHAR(1)
VTIM_SHR		CHAR(1)
QADPTAX	Amount of annual property taxes, adjusted for business, farm, and rental expenses Census derived	NUM(10)
QADPTAX_		CHAR(1)

d. ***SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE***

PART D Disposed of Property (OPD)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOD	Property number S03D 1a	CHAR(2)
PROP0NOD		CHAR(1)
OWNYD	Property code CODED 100 The home in which you (your CU) currently live(s) 200 A home in which you (your CU) used to live 300 A second home, vacation home or recreational property 400 Unimproved land with no buildings on it 500 Other property S03D 1b	CHAR(3)
OWNYD_		CHAR(1)
DISPMTHD	Did you (your CU) sell this property, give it to someone else (outside your CU), or do something else with it? CODED 1 Sold the property 2 Gave it to someone else 3 Something else S03D 2	CHAR(1)
DISP_THD		CHAR(1)
DISPX	What was the selling price (trade-in value)? S03D 4	NUM(8)
DISPX_		CHAR(1)
DISPEXPX	What were the total expenses in selling (trading) this property? (Include commission to realtor, closing costs, points for financing, mortgage penalties, property inspection, lawyer's fees, advertising costs, deferred mortgage interest payment, etc.) S03D 5	NUM(8)
DISP_XPX		CHAR(1)

***TRUSTX**	What was the amount of the mortgage you (your CU) financed (for the buyer)? S03D 6b **(D001)**	NUM(8)
***TRUSTX_**	**(D001)**	CHAR(1)
DISPMO	In what month did you (your CU) dispose of this property? S03D 3	CHAR(2)
DISPMO_		CHAR(1)
DISPYR	In what year did you (your CU) dispose of this property? S03D 3	CHAR(4)
DISPYR_		CHAR(1)

E. ***SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE***

PART F Mortgages (MOR)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOF	Property number S03F 1a	CHAR(2)
PROP0NOF		CHAR(1)
OWNYF	Property code CODED 100 The home in which you (your CU) currently live(s) 200 A home in which you (your CU) used to live 300 A second home, vacation home or recreational property 400 Unimproved land with no buildings on it 500 Other property S03F 1b	CHAR(3)
OWNYF_		CHAR(1)
OLDMRRT	What was the rate of interest at the time the mortgage was obtained? S03F 4	NUM(5.4)
OLDMRRT_		CHAR(1)

NEWMRRT	What is the current interest rate on your (your CU's) mortgage? S03F 5	NUM(5.4)
NEWMRRT_		CHAR(1)
ORGMRTX	What was the amount of the mortgage when you (your CU) obtained it, excluding any interest? S03F 8	NUM(8)
ORGMRTX_		CHAR(1)
QMRTTERM	Length of mortgage in years BLS derived	NUM(3)
QMRT_ERM		CHAR(1)
MRTPMTX	On your (your CU's) last regular payment, what was the total amount you paid for those things? (See PAYPROTX for items that were included in payment. BLS mortgage edit converts all payments to monthly basis.) S03F 11	NUM(8)
MRTPMTX_		CHAR(1)
MRTPMPD	How often are (were) mortgage payments due? (See NOTE under MRTPMTX.) CODED 3 Monthly S03F 9	CHAR(1)
MRTPMPD_		CHAR(1)
PAYPROTX	On your (your CU's) last regular payment, which of these things were included? CODED 2 Property taxes S03F 10	CHAR(1)
PAYP_OTX		CHAR(1)
PAYPROIN	See PAYPROTX for question and source. CODED 3 Property insurance	CHAR(1)
PAYP_OIN		CHAR(1)
PAYLIFIN	See PAYPROTX for question and source. CODED 4 Life insurance	CHAR(1)

PAYL_FIN		CHAR(1)
PAYMORIN	See PAYPROTX for question and source. CODED 5 Mortgage insurance	CHAR(1)
PAYM_RIN		CHAR(1)
PAYOTHER	See PAYPROTX for question and source. CODED 6 Any other payments	CHAR(1)
PAYO_HER		CHAR(1)
QESCROWX	Amount of last regular mortgage payment that went to escrow BLS derived	NUM(8)
QESC_OWX		CHAR(1)
QPRINM1X	Amount of principal paid during first month of reference period BLS derived	NUM(8)
QPRI_M1X		CHAR(1)
QPRINM2X	Amount of principal paid during second month of reference period BLS derived	NUM(8)
QPRI_M2X		CHAR(1)
QPRINM3X	Amount of principal paid during third month of reference period BLS derived	NUM(8)
QPRI_M3X		CHAR(1)
QADINT1X	Amount of interest paid during first month of reference period, adjusted for business BLS derived	NUM(8)
QADI_T1X		CHAR(1)
QADINT2X	Amount of interest paid during second month of reference period, adjusted for business BLS derived	NUM(8)
QADI_T2X		CHAR(1)
QADINT3X	Amount of interest paid during third month of reference period, adjusted for business	NUM(8)

	BLS derived	
QADI_T3X		CHAR(1)
QRFINDAT	Month and year mortgage payment changed	CHAR(6)
	Census derived	
QRFI_DAT		CHAR(1)
FRSTPYMO	In what month did you (your CU) make your (your CU's) first payment on this mortgage?	CHAR(2)
	S03F 2	
FRST_YMO		CHAR(1)
FRSTPYYR	In what year did you (your CU) make your (your CU's) first payment on this mortgage?	CHAR(4)
	S03F 2	
FRST_YYR		CHAR(1)
FIXEDRTE	Is this a fixed rate mortgage? CODED 1 Yes 2 No	CHAR(1)
	S03F 6a	
FIXE_RTE		CHAR(1)
PAYTYPE	Which one of these mortgages comes closest to yours (your CU's)? (NOTE: Most fixed rate mortgages will be a valid blank.) CODED 1 Fixed rate of interest 2 Variable or adjustable rate of interest 3 Graduated payment 4 Rollover or renegotiable 5 Deferred interest 6 Other	CHAR(1)
	S03F 6b	
PAYTYPE_		CHAR(1)

REFINED	Have you (Has your CU) refinanced or renegotiated this mortgage? CODED 1 Yes 2 No S03F 7	CHAR(1)
REFINED_		CHAR(1)
QNEWDATE	Month and year mortgage payment changed Census derived	CHAR(6)
QNEW_ATE		CHAR(1)
QBLNCM1X	Principal balance outstanding at beginning of month, three months ago BLS derived	NUM(8)
QBLN_M1X		CHAR(1)
QBLNCM2X	Principal balance outstanding at beginning of month, two months ago BLS derived	NUM(8)
QBLN_M2X		CHAR(1)
QBLNCM3X	Principal balance outstanding at beginning of month, one month ago BLS derived	NUM(8)
QBLN_M3X		CHAR(1)
LOAN_NOF	Loan number S03F 1d	CHAR(2)
LOAN0NOF		CHAR(1)

F. ***SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE***

PART G Lump Sum Home Equity Loans (HEL)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOG	Property number S03G 1	CHAR(2)
PROP0NOG		CHAR(1)
OWNYG	Property code CODED 100 The home in which you (your CU) currently live(s) 200 A home in which you (your CU) used to live 300 A second home, vacation home or recreational property 400 Unimproved land with no buildings on it 500 Other property S03G 1	CHAR(3)
OWNYG_		CHAR(1)
OLDMRTG	What was the rate of interest at the time the home equity loan was obtained? S03G 4	NUM(5.4)
OLDMRTG_		CHAR(1)
NEWMRTG	What is the current interest rate on your (your CU's) home equity loan? S03G 5	NUM(5.4)
NEWMRTG_		CHAR(1)
ORGMRTG	What was the amount of the lump sum home equity loan when you (your CU) obtained it, excluding any interest? S03G 8	NUM(8)
ORGMRTG_		CHAR(1)
QMRTTRMG	Length of home equity loan in years BLS derived	NUM(3)
QMRT_RMG		CHAR(1)

MRTPMTG	On your (your CU's) last regular payment, what was the total amount you (your CU) paid those things? (See PAYPRTXG for items that were included in payment. BLS home equity loan edit converts all payments to monthly basis.) S03G 11	NUM(8)
MRTPMTG_		CHAR(1)
MRTPMPG	How often are loan payments due? (See NOTE under MRTPMTG) CODED 3 Monthly S03G 9	CHAR(1)
MRTPMPG_		CHAR(1)
PAYPRTXG	On your (your CU's) last regular payment, which of these things were included? CODED 2 Property taxes S03G 10	CHAR(1)
PAYP_TXG		CHAR(1)
PAYPRING	See PAYPRTXG for question and source. CODED 3 Property insurance	CHAR(1)
PAYP_ING		CHAR(1)
PAYLFING	See PAYPRTXG for question and source. CODED 4 Life insurance	CHAR(1)
PAYL_ING		CHAR(1)
PAYMRING	See PAYPRTXG for question and source. CODED 5 Mortgage guarantee insurance	CHAR(1)
PAYM_ING		CHAR(1)
PAYOTHRG	See PAYPRTXG for question and source. CODED 6 Any other payments	CHAR(1)
PAYO_HRG		CHAR(1)
QESCROWG	Amount of last regular home equity loan payment that went to escrow BLS derived	NUM(8)

QESC_OWG		CHAR(1)
QPRINM1G	Amount of principal paid during first month of reference period	NUM(8)
	BLS derived	
QPRI_M1G		CHAR(1)
QPRINM2G	Amount of principal paid during second month of reference period	NUM(8)
	BLS derived	
QPRI_M2G		CHAR(1)
QPRINM3G	Amount of principal paid during third month of reference period	NUM(8)
	BLS derived	
QPRI_M3G		CHAR(1)
QADINT1G	Amount of interest paid during first month of reference period, adjusted for business	NUM(8)
	BLS derived	
QADI_T1G		CHAR(1)
QADINT2G	Amount of interest paid during second month of reference period, adjusted for business	NUM(8)
	BLS derived	
QADI_T2G		CHAR(1)
QADINT3G	Amount of interest paid during third month of reference period, adjusted for business	NUM(8)
	BLS derived	
QADI_T3G		CHAR(1)
QRFINDTG	Month and year loan payment changed ("Old" loan record)	CHAR(6)
	BLS derived	
QRFI_DTG		CHAR(1)
FRSTPYMG	In what month did you (your CU) make your (your CU's) first payment on this loan?	CHAR(2)
	S03G 2	
FRST_YMG		CHAR(1)

FRSTPYRG	In what year did you (your CU) make your (your CU's) first payment on this loan? S03G 2	CHAR(4)
FRST_YRG		CHAR(1)
FIXDRTEG	Is this a fixed rate home equity loan? CODED 1 Yes 2 No S03G 6a	CHAR(1)
FIXD_TEG		CHAR(1)
PAYTYPG	Which one of these lump sum home equity loans comes closest to yours (your CU's)? (NOTE: Most fixed rate loans will be a valid blank.) CODED 1 Fixed rate of interest 2 Variable or adjustable rate of interest 3 Graduated payment 4 Rollover or renegotiable 5 Deferred interest 6 Other S03G 6b	CHAR(1)
PAYTYPG_		CHAR(1)
REFINDG	Have you (Has your CU) refinanced or renegotiated this lump sum home equity loan? CODED 1 Yes 2 No S03G 7	CHAR(1)
REFINDG_		CHAR(1)
QNEWDATG	Month and year loan payment changed ("New" loan record) Census derived	CHAR(6)
QNEW_ATG		CHAR(1)
QBLNCM1G	Principal balance outstanding at beginning of month, three months ago BLS derived	NUM(8)
QBLN_M1G		CHAR(1)

QBLNCM2G	Principal balance outstanding at beginning of month, two months ago BLS derived	NUM(8)
QBLN_M2G		CHAR(1)
QBLNCM3G	Principal balance outstanding at beginning of month, one month ago BLS derived	NUM(8)
QBLN_M3G		CHAR(1)
LOAN_NOG	Loan number S03G 1d	CHAR(2)
LOAN0NOG		CHAR(1)

G. ***<u>SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE</u>***

<u>PART H Line of Credit Home Equity Loans (OPH)</u>

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOH	Property number S03H 1a	CHAR(2)
PROP0NOH		CHAR(1)
OWNYH	Property code CODED 100 The home in which you (your CU) currently live(s) 200 A home in which you (your CU) used to live 300 A second home, vacation home or recreational property 400 Unimproved land with no buildings on it 500 Other property S03H 1b	CHAR(3)
OWNYH_		CHAR(1)
PAIDLOAN	Since the 1st of *(last month)*, have you made any payments for this line of credit home equity loan? CODED 1 Yes 2 No	CHAR(1)

	S03H 2	
PAID_OAN		CHAR(1)
PRINAMTX	Prior to the last payment, what was the total amount owed?	NUM(8)
	S03H 4	
PRIN_MTX		CHAR(1)
PRIMPLUS	Interest rate used in calculation of JINTPDX (Equal to prime rate plus 1.5 percentage points)	NUM(6.4)
	BLS derived	
PRIM_LUS		CHAR(1)
JINTPDX	Estimated amount of interest paid on loan during reference period	NUM(8)
	BLS derived	
JINTPDX_		CHAR(1)
JLCPRINX	Estimated amount of principal paid on loan during reference period *L	NUM(8)
	BLS derived	
JLCP_INX		CHAR(1)
LOAN_NOH	Loan number	CHAR(2)
	S03H 1d	
LOAN0NOH		CHAR(1)

H. ***SECTION 3 OWNED LIVING QUARTERS AND OTHER OWNED REAL ESTATE***

PART I Ownership Costs (OPI)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PROP_NOI	Property number	CHAR(2)
	S03I 1a	
PROP0NOI		CHAR(1)

OWNYI	Property code CODED 100 The home in which you (your CU) currently live(s) 200 A home in which you (your CU) used to live 300 A second home, vacation home or recreational property 400 Unimproved land with no buildings on it 500 Other property S03I 1b	CHAR(3)
OWNYI_		CHAR(1)
QRENTDDZ	Percentage of owned property expenses after deducting business expenses (1.00 - OBSNSZB) Census derived	NUM(4.2)
QREN_DDZ		CHAR(1)
QADPENTX	Amount of penalty charges on special or lump sum mortgage payment, adjusted for business Census derived	NUM(8)
QADP_NTX		CHAR(1)
QLR3MCMX	Amount paid for ground or land rent, adjusted for business Census derived	NUM(8)
QLR3_CMX		CHAR(1)
JFEETOTX	Amount of regular condo fee for management services, adjusted for business BLS derived	NUM(8)
JFEE_OTX		CHAR(1)
QSPCLX	Total amount of special payments for management services, adjusted for business Census derived	NUM(8)
QSPCLX_		CHAR(1)
TYPEPROP	Property type CODED 1 Condominium 2 Co-op 3 Neither condo nor co-op S03I 5	CHAR(1)
TYPE_ROP		CHAR(1)

PAYHOASS	Do you (Does your CU) make regular payments to a homeowner association? (TYPEPROP = 3 only) CODED 1 Yes 2 No S03I 6	CHAR(1)
PAYH_ASS		CHAR(1)
PAYCONDO	Are you (Is your CU) required to make regular payments of condominium fees for general maintenance or management services? (TYPEPROP = 1 only) CODED 1 Yes 2 No S03I 7	CHAR(1)
PAYC_NDO		CHAR(1)
COOPRG01	Since the 1st of *(month, 3 months ago)*, for which of these things have you (has your CU) made payments directly to the cooperative for your (your CU's) share of its costs? (TYPEPROP = 2 only) CODED 01 Repayment of loans owed by cooperative S03I 8	CHAR(2)
COOP_G01		CHAR(1)
COOPRG02	See COOPRG01 for question and source. CODED 02 Property taxes	CHAR(2)
COOP_G02		CHAR(1)
COOPRG03	See COOPRG01 for question and source. CODED 03 Property insurance	CHAR(2)
COOP_G03		CHAR(1)
COOPRG04	See COOPRG01 for question and source. CODED 04 Management	CHAR(2)
COOP_G04		CHAR(1)
COOPRG05	See COOPRG01 for question and source. CODED 05 Repairs and maintenance, including lawn care and snow removal .	CHAR(2)
COOP_G05		CHAR(1)

COOPRG06	See COOPRG01 for question and source. CODED 06 Improvements	CHAR(2)
COOP_G06		CHAR(1)
COOPRG07	See COOPRG01 for question and source. CODED 07 Recreational, including swimming, golf, and tennis facilities	CHAR(2)
COOP_G07		CHAR(1)
COOPRG08	See COOPRG01 for question and source. CODED 08 Security, including guards and alarm systems	CHAR(2)
COOP_G08		CHAR(1)
COOPRG09	See COOPRG01 for question and source. CODED 09 Utilities: such as gas, electricity, water, heat	CHAR(2)
COOP_G09		CHAR(1)
COOPRG10	See COOPRG01 for question and source. CODED 10 Trash collection	CHAR(2)
COOP_G10		CHAR(1)
COOPRG11	See COOPRG01 for question and source. CODED 11 Other	CHAR(2)
COOP_G11		CHAR(1)
HOCORG21	Which of these services and privileges are included in condominium fees or regular payments to a homeowner's association? (TYPEPROP = 1 or 3 only) CODED 21 Management S03I 9	CHAR(2)
HOCO_G21		CHAR(1)
HOCORG22	See HOCORG21 for question and source. CODED 22 Repairs and maintenance, including lawn care and snow removal	CHAR(2)
HOCO_G22		CHAR(1)
HOCORG23	See HOCORG21 for question and source.	CHAR(2)

	CODED 23 Improvements	
HOCO_G23		CHAR(1)
HOCORG24	See HOCORG21 for question and source. CODED 24 Utilities: such as gas, electricity, water, heat	CHAR(2)
HOCO_G24		CHAR(1)
HOCORG25	See HOCORG21 for question and source. CODED 25 Parking	CHAR(2)
HOCO_G25		CHAR(1)
HOCORG26	See HOCORG21 for question and source. CODED 26 Recreational, including swimming, golf, and tennis facilities	CHAR(2)
HOCO_G26		CHAR(1)
HOCORG27	See HOCORG21 for question and source. CODED 27 Security, including guards and alarm systems	CHAR(2)
HOCO_G27		CHAR(1)
HOCORG28	See HOCORG21 for question and source. CODED 28 Maid service	CHAR(2)
HOCO_G28		CHAR(1)
HOCORG29	See HOCORG21 for question and source. CODED 29 Medical services	CHAR(2)
HOCO_G29		CHAR(1)
HOCORG30	See HOCORG21 for question and source. CODED 30 Trash collection	CHAR(2)
HOCO_G30		CHAR(1)
HOCORG31	See HOCORG21 for question and source. CODED 31 Other	CHAR(2)
HOCO_G31		CHAR(1)
REGFEECR	Type of service or privilege: The first two digits represent the type of service (COOPRGnn or HOCORGnn); the last three	CHAR(5)

digits are used for the allocation of utilities data (COOPRG09 or HOCORG24), and the allocation of repairs/maintenance data (COOPRG05,HOCORG22). The 3-digit utility codes can be found in Section 4, Part C under the variable UTILY. The 3-digit repairs/maintenance codes can be found in Section 5, Part B under the variable CRMCODEB. If the type of service is other than utilities or repairs/maintenance, then the last three digits are "000".

BLS derived

REGF_ECR		CHAR(1)
INC_MORT	Are any of these costs included in your (your CU's) mortgage payment? CODED 1 Yes 2 No S03I 10a	CHAR(1)
INC__ORT		CHAR(1)
COOPSP01	What services were provided for any SPECIAL payments to a management service? (TYPEPROP = 2 only) CODED 01 Repayment of loans owed by cooperative 02 Property taxes 03 Property insurance 04 Management 05 Repairs and maintenance, including lawn care and snow removal 06 Improvements 07 Recreational, including swimming, golf, and tennis facilities 08 Security, including guards and alarm systems 09 Utilities: such as gas, electricity, water, heat 10 Trash collection 11 Other S03I 11b	CHAR(2)
COOP_P01		CHAR(1)
COOPSP02	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P02		CHAR(1)
COOPSP03	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P03		CHAR(1)
COOPSP04	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P04		CHAR(1)

COOPSP05	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P05		CHAR(1)
COOPSP06	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P06		CHAR(1)
COOPSP07	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P07		CHAR(1)
COOPSP08	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P08		CHAR(1)
COOPSP09	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P09		CHAR(1)
COOPSP10	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P10		CHAR(1)
COOPSP11	See COOPSP01 for question, codes, and source.	CHAR(2)
COOP_P11		CHAR(1)
HOCOSP01	What services were provided for any SPECIAL payments to a management service? (TYPEPROP = 1 or 3 only) CODED 21 Management 22 Repairs and maintenance, including lawn care and snow removal 23 Improvements 24 Utilities: such as gas, electricity, water, heat 25 Parking 26 Recreational, including swimming, golf, and tennis facilities 27 Security, including guards and alarm systems 28 Maid service 29 Medical services 30 Trash collection 31 Other S03I 11b	CHAR(2)
HOCO_P01		CHAR(1)
HOCOSP02	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P02		CHAR(1)
HOCOSP03	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P03		CHAR(1)

HOCOSP04	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P04		CHAR(1)
HOCOSP05	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P05		CHAR(1)
HOCOSP06	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P06		CHAR(1)
HOCOSP07	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P07		CHAR(1)
HOCOSP08	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P08		CHAR(1)
HOCOSP09	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P09		CHAR(1)
HOCOSP10	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P10		CHAR(1)
HOCOSP11	See HOCOSP01 for question, codes, and source.	CHAR(2)
HOCO_P11		CHAR(1)
SPFEECR	Type of special service or privilege: Derived in same manner as REGFEECR. Type of service based on COOPSPnn and HOCOSPnn. BLS derived	CHAR(5)
SPFEECR_		CHAR(1)
QLMPSUMX	Amount paid for mortgage in special or lump sum payments during reference period, adjusted for business Census derived	NUM(8)
QLMP_UMX		CHAR(1)
QPENALTX	Amount of penalty charges for special or lump sum payments, adjusted for business Census derived	NUM(8)
QPEN_LTX		CHAR(1)
QOTHERFX	Amount of regular HOA/condo fees NOT included in mortgage, adjusted for business	NUM(8)

Census derived

QOTH_RFX CHAR(1)

	Census derived	
QOTH_RFX		CHAR(1)
QSPASSX	Amount paid for special assessments for local projects, such as the construction or repair of roads and sidewalks, adjusted for business Census derived	NUM(8)
QSPASSX_		CHAR(1)
RNTEQVX	If someone were to rent your home today, how much do you think it would rent for monthly, unfurnished and without utilities? S03I 13	NUM(6)
RNTEQVX_		CHAR(1)

I. ***SECTION 4 UTILITIES AND FUELS FOR OWNED AND RENTED PROPERTIES***

PART A Telephone Expenses (UTA)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
UTLPROPI	What property(ies) was (were) the telephone bills for? CODED 01-20 Property number (PROP_NOB from Section 3, Part B) 96 Mobile (car) phone 97 Rented sample unit 98 Other rented unit 99 Property not owned or rented by CU S04A 2	CHAR(2)
UTLP_OPI		CHAR(1)
TELMO	In what month was the bill received? S04A 5b	CHAR(2)
TELMO_		CHAR(1)
TELBSNZ	What percentage of the total charge will be deducted as a business expense? S04A 7b	NUM(4.2)

TELBSNZ_		CHAR(1)
TELBASIC	Does the total amount of the bill include a basic service charge? CODED 1 Yes 2 No S04A 6a	CHAR(1)
TELB_SIC		CHAR(1)
TELNGDIS	Does the total amount of the bill include long distance call charges? CODED 1 Yes 2 No S04A 6b	CHAR(1)
TELN_DIS		CHAR(1)
TELEQPUR	Does the total amount of the bill include equipment purchases such as the purchase of a telephone? CODED 1 Yes 2 No S04A 6c	CHAR(1)
TELE_PUR		CHAR(1)
QADBILLX	Total amount of telephone bill, adjusted for business Census derived	NUM(6)
QADB_LLX		CHAR(1)

J. ***SECTION 4 UTILITIES AND FUELS FOR OWNED AND RENTED PROPERTIES***

PART B Screening Questions (UTB)

While the questionnaire identifies this part as screening questions, it actually collects expenditure data on utilities for rented vacation properties.

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VACUTLY	Which utility or fuel for a rented vacation property was the charge for? CODED 100 Electricity 110 Natural or utility gas	CHAR(3)

120 Combined gas and electricity (100-110)
130 Fuel oil
140 Kerosene
150 Bottled or tank gas
160 Wood
170 Coal
180 Other fuels
190 Combined expenses (130-180)
200 Piped-in water
210 Trash/garbage collection
220 Sewerage maintenance
230 Combined trash/garbage/water/sewerage (200 - 220)
240 Combined trash/garbage/water (200, 210)
250 Combined trash/garbage/sewerage (210, 220)
260 Combined water/sewerage (200, 220)
270 Water softening service
280 Septic tank cleaning
290 Cable TV, satellite services or community antenna
310 Combined electric/water/sewerage

	S04B 2b	
VACUTLY_		CHAR(1)
VACUTMO	In what month was the bill received?	CHAR(2)
	S04B 2c	
VACUTMO_		CHAR(1)
VACUTLX	What was the total amount of the charges?	NUM(6)
	S04B 2d	
VACUTLX_		CHAR(1)

K. ***SECTION 4 UTILITIES AND FUELS FOR OWNED AND RENTED PROPERTIES***

PART C Detailed Questions (UTC)

While the questionnaire identifies this part as detailed questions, it actually collects expenditure data on utilities for all properties other than rented vacation properties.

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
UTILY	Utility code CODED 100 Electricity 110 Natural gas	CHAR(3)

120 Combined gas and electricity (100, 110)
130 Fuel oil
140 Kerosene
150 Bottled or tank gas
160 Wood
170 Coal
180 Other fuels
190 Combined expenses (130-180)
200 Piped-in water
210 Trash/garbage collection
220 Sewer maintenance
230 Combined trash/garbage/water/sewerage (200-220)
240 Combined trash/garbage/water (200, 210)
250 Combined trash/garbage/sewerage (210, 220)
260 Combined water/sewerage (200, 220)
270 Water softening service
280 Septic tank cleaning
290 Cable TV, satellite services, or community antenna
310 Combined electric/water/sewerage

S04C 1a

UTILY_		CHAR(1)
WHATPROP	What property were the charges for? CODED 01-20 Property number (PROP_NOB from Section 3, Part B) 97 Rented sample unit 98 Other rented unit 99 Property not owned or rented by CU S04C 2	CHAR(2)
WHAT_ROP		CHAR(1)
BLPERIOD	What period of time was covered by the bill? CODED 1 Month 2 2 months 3 Quarter 4 Other S04C 5	CHAR(1)
BLPE_IOD		CHAR(1)
BILLMO	In what month was the bill received? S04C 7b	CHAR(2)
BILLMO_		CHAR(1)
UTILCON	What was the quantity consumed for this bill? S04C 7d	NUM(6)

UTILCON_		CHAR(1)
UTLUNIT	What was the unit-of-measure, such as kilowatt hours, gallons, cubic feet or therms? CODED 10 Kilowatt hours (KWH) 15 Hundreds of KWH 20 Thousands of KWH 25 Cubic feet 30 Hundreds of cubic feet 35 Thousands of cubic feet 40 Therms 45 Gallons 50 Hundreds of gallons 55 Thousands of gallons 60 BTU's 65 Hundreds of BTU's 70 Thousands of BTU's S04C 7c	CHAR(2)
UTLUNIT_		CHAR(1)
BILUSED	Was a bill or other record used or was an estimate given? Checks or checkbooks are not considered records. CODED 1 Records used 2 Estimate S04C 7g	CHAR(1)
BILUSED_		CHAR(1)
QFUELADZ	Percent of utility/fuel charge not attributable to business expenses and rooms rented to others Census derived	NUM(4.2)
QFUE_ADZ		CHAR(1)
QADFULX	Amount of bill, less charges for merchandise, repairs, or other services not part of the cost of the utility, adjusted for business Census derived	NUM(6)
QADFULX_		CHAR(1)
UTLPTYPE	Property code CODED 1 The home in which you (your CU) currently live(s) or a home in which you (your CU) used to live 2 A second home, vacation home or recreational property 3 Unimproved land with no buildings on it or other property 4 Rented sample unit or other rented unit 5 Property not owned or rented by CU	CHAR(1)

BLS derived

UTLP_YPE		CHAR(1)

I. ***SECTION 5 CONSTRUCTION, REPAIRS, ALTERATIONS, AND MAINTENANCE OF PROPERTY***

PART A Screening Questions (CRA)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CRMCODEA	What kind of job will the materials for jobs not yet started be used for? CODED 100 Dwellings under construction including a vacation or second home 110 Building an addition to the house or a new structure including porch, garage or new wing 120 Finishing a basement or an attic or enclosing a porch 130 Remodeling one or more rooms in the house 140 Landscaping the ground or planting new shrubs or trees 150 Building outdoor patios, walks, fences, or other enclosures, driveways, or permanent swimming pools 160 Repairing outdoor patios, walks, fences, driveways, or permanent swimming pools 170 Inside painting or papering 180 Outside painting 190 Plastering or paneling 200 Plumbing or water heating installations and repairs 210 Electrical work 220 Heating or air-conditioning jobs 230 Flooring repair or replacement, including inlaid linoleum or vinyl tile 240 Insulation 260 Roofing, gutters, or downspouts 270 Siding 280 Installation, repair, or replacement of window panes, screens, storm doors, awnings, and the like 290 Masonry, brick or stucco work 300 Other improvements or repairs 310 Combined expenses (100-300) S05A 6b	CHAR(3)
CRMC_DEA		CHAR(1)
ADVMATX	Since the 1st of *(month, three months ago)*, excluding the current month, what was the total cost of materials and supplies purchased for jobs not yet started? S05A 6c	NUM(6)

ADVMATX_		CHAR(1)
MATNSPCX	Since the 1st of *(month, three months ago)*, excluding the current month, what was the total cost of materials and supplies purchased not for any specific job? S05A 7b	NUM(6)
MATN_PCX		CHAR(1)

M. ***SECTION 5 CONSTRUCTION, REPAIRS, ALTERATIONS, AND MAINTENANCE OF PROPERTY***

PART B Job Description (CRB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CRMCODEB	Job code for jobs in progress or completed. CODED 100 Dwellings under construction including a vacation or second home 110 Building an addition to the house or a new structure including porch, garage or new wing 120 Finishing a basement or an attic or enclosing a porch 130 Remodeling one or more rooms in the house 140 Landscaping the ground or planting new shrubs or trees 150 Building outdoor patios, walks, fences, or other enclosures, driveways, or permanent swimming pools 160 Repairing outdoor patios, walks, fences, driveways, or permanent swimming pools 170 Inside painting or papering 180 Outside painting 190 Plastering or paneling 200 Plumbing or water heating installations and repairs 210 Electrical work 220 Heating or air-conditioning jobs 230 Flooring repair or replacement, including inlaid linoleum or vinyl tile 240 Insulation 260 Roofing, gutters, or downspouts 270 Siding 280 Installation, repair, or replacement of window panes, screens, storm doors, awnings, and the like 290 Masonry, brick or stucco work 300 Other improvements or repairs 310 Combined expenses (100-300) S05B 1	CHAR(3)

CRMC_DEB		CHAR(1)
CRMPROPI	Property number CODED 01-20 Property number (PROP_NOB from Section 3, Part B) 97 Rented sample unit 98 Other rented unit 99 Property not owned or rented by CU S05B 2b	CHAR(2)
CRMP_OPI		CHAR(1)
CRMTYPE	Job classification CODED 1 Addition 2 Alteration 3 Replacement 4 Maintenance and repair 5 New construction S05B 3b	CHAR(1)
CRMTYPE_		CHAR(1)
APPCDE1	Which of these items did the job include? CODED 100 Electric cooking stove, range or oven 110 Gas cooking stove, range or oven 120 Microwave oven 130 Other cooking stove, range or oven including wood, coal, or peat burning stoves 140 Refrigerator 150 Home freezer 160 Built-in dishwasher 170 Portable dishwasher 180 Garbage disposal 190 Clothes washer 200 Clothes dryer 210 Range hood 250 Smoke alarms and detectors 260 Central vacuum 270 Trash compactor 340 Window air conditioner 350 Portable cooling and heating equipment, including portable dehumidifiers, humidifiers, fans, and space heaters, excluding window air conditioners 900 Other major home appliances and equipment. (The codes originate from the appliance codes in Section 6, Parts A and B.) S05B 7	CHAR(3)
APPCDE1_		CHAR(1)
APPCDE2	See APPCDE1 for question, codes, and source.	CHAR(3)

APPCDE2_		CHAR(1)
APPCDE3	See APPCDE1 for question, codes, and source.	CHAR(3)
APPCDE3_		CHAR(1)
APPCDE4	See APPCDE1 for question, codes, and source.	CHAR(3)
APPCDE4_		CHAR(1)
APPCDE5	See APPCDE1 for question, codes, and source.	CHAR(3)
APPCDE5_		CHAR(1)
APPCDE6	See APPCDE1 for question, codes, and source.	CHAR(3)
APPCDE6_		CHAR(1)
REIMBRSZ	What percent of the total cost was (will be) reimbursed or paid by someone outside of your CU? S05B 10b	NUM(4.2)
REIM_RSZ		CHAR(1)
CRMBSNSZ	What percent of these expenses for this job was (will be) deducted as a business expense? S05B 11b	NUM(4.2)
CRMB_NSZ		CHAR(1)
QADLABX	Cost of labor, materials, appliances, and equipment provided by contractor since first of month, three months ago, adjusted for business and reimbursements Census derived	NUM(8)
QADLABX_		CHAR(1)
QADLAB3X	Cost of labor, materials, appliances, and equipment provided by contractor for month, three months ago, adjusted for business and reimbursements Census derived	NUM(8)
QADL_B3X		CHAR(1)
QADLAB2X	Cost of labor, materials, appliances, and equipment provided by contractor for month, two months ago, adjusted for business and reimbursements Census derived	NUM(8)
QADL_B2X		CHAR(1)

QADLAB1X	Cost of labor, materials, appliances, and equipment provided by contractor for month, one month ago, adjusted for business and reimbursements Census derived	NUM(8)
QADL_B1X		CHAR(1)
QADEQPX1	Cost of appliance or equipment provided by contractor, referenced by APPCDE1, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX1		CHAR(1)
QADEQPX2	Cost of appliance or equipment provided by contractor, referenced by APPCDE2, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX2		CHAR(1)
QADEQPX3	Cost of appliance or equipment provided by contractor, referenced by APPCDE3, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX3		CHAR(1)
QADEQPX4	Cost of appliance or equipment provided by contractor, referenced by APPCDE4, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX4		CHAR(1)
QADEQPX5	Cost of appliance or equipment provided by contractor, referenced by APPCDE5, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX5		CHAR(1)
QADEQPX6	Cost of appliance or equipment provided by contractor, referenced by APPCDE6, adjusted for business and reimbursements Census derived	NUM(9.2)
QADE_PX6		CHAR(1)

QADPSP3X	Cost of materials, supplies, tools, or equipment purchased by CU in the month, three months ago, adjusted for business and reimbursement Census derived	NUM(8)
QADP_P3X		CHAR(1)
QADPSP2X	Cost of materials, supplies, tools, or equipment purchased by CU in the month, two months ago, adjusted for business and reimbursement Census derived	NUM(8)
QADP_P2X		CHAR(1)
QADPSPLX	Cost of materials, supplies, tools, or equipment purchased by CU in the month, one month ago, adjusted for business and reimbursement Census derived	NUM(8)
QADP_PLX		CHAR(1)
QADRSP3X	Cost of tools or equipment rented by CU in the month, three months ago, adjusted for business and reimbursement Census derived	NUM(8)
QADR_P3X		CHAR(1)
QADRSP2X	Cost of tools or equipment rented by CU in the month, two months ago, adjusted for business and reimbursement Census derived	NUM(8)
QADR_P2X		CHAR(1)
QADRSPLX	Cost of tools or equipment rented by CU in the month, one month ago, adjusted for business and reimbursement Census derived	NUM(8)
QADR_PLX		CHAR(1)
CRMPTYPE	Property code CODED 1 The home in which you (your CU) currently live(s) or a home in which you (your CU) used to live 2 A second home, vacation home or recreational property 3 Unimproved land with no buildings on it or other property 4 Rented sample unit or other rented unit 5 Property not owned or rented by CU BLS derived	CHAR(1)

CRMP_YPE		CHAR(1)
CRMCODE	Detailed job codes	CHAR(3)

NOTE: This variable did not undergo the Census edit process and therefore a small number of observations may have codes other than those listed below. It is not known to which type of job these codes refer.

CODED
- 101 Bathroom addition
- 102 Kitchen addition
- 103 Addition of other room in house
- 104 Addition of deck or porch
- 105 Addition of attached garage, carport or shed
- 199 Other addition
- 201 New bathroom plumbing fixture
- 202 New kitchen plumbing fixture
- 203 Other new plumbing
- 204 New insulation
- 205 New heating, ventilation and/or air conditioning
- 206 New electrical
- 207 New security system
- 208 New paneling and/or ceiling tile
- 209 New tile, vinyl and/or linoleum flooring
- 210 Other new flooring
- 211 Bathroom remodeling
- 212 Kitchen remodeling
- 213 New kitchen cabinets
- 214 Bathroom and kitchen remodeling
- 215 Finishing unfinished space
- 216 New garage door opener
- 217 New siding
- 218 Other remodeling or interior of the house
- 219 New windows and/or skylights
- 220 New doors
- 299 Other alterations
- 301 Addition of detached garage or carport
- 302 Addition of other detached building
- 303 Addition of patio or terrace
- 304 New sprinkler system, septic tank, or well
- 305 New recreational facilities
- 306 New driveway or walk
- 307 New fence
- 399 Other new outside addition or alteration
- 401 Painting
- 402 Wallpapering
- 403 Plumbing repair
- 404 Repair driveway or walk
- 405 Repair heating, ventilation or air conditioning system
- 406 Electrical repair
- 407 Repair siding
- 408 Repair roofing
- 409 Repair flooring

410 Repair windows or skylights
411 Repair doors
412 Repair recreational facilities
498 Purchase materials to have on hand
499 Other repairs
501 Replacement of plumbing fixtures
502 Replacement of water heater, garbage disposal, or laundry tub
503 Replacement of septic tank or well
504 Replacement of interior pipes
505 Replacement of heating, ventilation or air conditioning system
506 Replacement of wiring
507 Replacement of siding
508 Replacement of roof
509 Replacement of driveway or walk
510 Replacement of windows or skylights
511 Replacement of doors
599 Other major replacements

BLS derived

CRMCODE_		CHAR(1)

N. ***SECTION 6 APPLIANCES, HOUSEHOLD EQUIPMENT, AND OTHER SELECTED ITEMS***

PART A Purchase of Household Appliances (APA)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
MAJAPPLY	Item code CODED 100 Electric cooking stove, range, or oven 110 Gas cooking stove, range, or oven 120 Microwave oven 130 Other cooking stove, range, or oven including wood, coal, or peat burning stoves 140 Refrigerator 150 Home-freezer 160 Built-in dishwasher 170 Portable dishwasher 180 Garbage disposal 190 Clothes washer 200 Clothes dryer 210 Range hood 220 Combined major appliances (100-210) S06A col. C	CHAR(3)
MAJA_PLY		CHAR(1)

GFTC_MAJ	Was this item purchased for own use, rented, or purchased as gift to others? CODED 1 Purchased for own use 2 Rented 3 Purchased as gift to others S06A col. d	CHAR(1)
GFTC0MAJ		CHAR(1)
MAJ_MO	When did you purchase it? CODED 01-12 January-December S06A col. e	CHAR(2)
MAJ_MO_		CHAR(1)
MAJPURX	What was the purchase price after any trade-in allowance? S06A col. f	NUM(6)
MAJPURX_		CHAR(1)
MAJRENTX	What was the total rental expense since the 1st of *(month, 3 months ago)*, excluding the current month? (GFTC_MAJ = 2 only) S06A col. h	NUM(6)
MAJR_NTX		CHAR(1)
MAJINSTX	How much were any extra charges for installation? S06A col. i	NUM(6)
MAJI_STX		CHAR(1)

o. *SECTION 6 APPLIANCES, HOUSEHOLD EQUIPMENT, AND OTHER SELECTED ITEMS*

PART B Purchase of Household Appliances and Other Selected Items (APB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
MINAPPLY	Item code	CHAR(3)

CODED
- 230 Small electrical kitchen appliances
- 240 Electric personal care appliances
- 250 Smoke detectors
- 260 Electric floor cleaning equipment
- 270 Other household appliances
- 280 Sewing machines
- 300 Photographic equipment
- 310 Lawnmowing machinery and other yard equipment
- 320 Power tools
- 330 Non-power tools
- 340 Window air conditioners
- 350 Portable cooling and heating equipment
- 360 Color televisions (portable and table models)
- 370 Color television consoles and combinations of TV; large screen color TV projection equipment; color monitors and other items
- 380 Black and white TV's and combinations of TV's with other items
- 390 VCR, video camera, video disc player, camcorder
- 400 Radio, all types
- 420 Tape recorders and players
- 430 Sound components, component systems, and compact disc sound systems
- 440 Other sound and video equipment, including accessories (Audio tapes are found in Section 17, Part B)
- 450 Piano, organ, or keyboard instrument
- 460 Other musical instruments, supplies, and accessories
- 470 General sports equipment (including athletic shoes for sports related use)
- 480 Health and exercise equipment
- 490 Camping equipment
- 500 Hunting and fishing equipment
- 510 Winter sports equipment
- 520 Water sports equipment
- 530 Outboard motors
- 540 Bicycles
- 550 Tricycles and battery powered riders
- 560 Playground equipment
- 570 Other sports and recreation equipment
- 590 Calculators
- 610 Telephone answering devices
- 620 Typewriters and other office machines for non-business use

640 Computers, computer systems and related hardware for non-business use
650 Computer software and accessories for non-business use.
660 Telephones and accessories
670 Satellite dishes
800 Combined expenses (230-280, 300-350, 590, 610-620, 640-660)
810 Combined television, radio, video, and sound equipment expenses (360-440, 670)
820 Combined sports, recreation, and exercise equipment expenses (470-570)

S06B col. c

MINA_PLY		CHAR(1)
GFTCMIN	Was this item purchased for own use, rented, or purchased as gift to others? CODED 1 Purchased for own use 2 Rented 3 Purchased as gift to others S06B col. d	CHAR(1)
GFTCMIN_		CHAR(1)
MIN_MO	When did you purchase it? CODED 01-12 January-December S06B col. e	CHAR(2)
MIN_MO_		CHAR(1)
MINPURX	What did this item cost? (Include delivery charges, exclude installation charges) S06B col. f	NUM(6)
MINPURX_		CHAR(1)
MINRENTX	What was the total rental expense since the 1st of *(month, 3 months ago)*, excluding the current month? (GFTCMIN = 2 only)? S06B col. g	NUM(6)
MINR_NTX		CHAR(1)

P. ***SECTION 7 HOUSEHOLD EQUIPMENT REPAIRS, SERVICE CONTRACTS, AND FURNITURE REPAIR AND REUPHOLSTERING***

PART B Household Equipment Repairs and Service Contracts (EQB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
RPAIRTYP	Identifier of cost as equipment repair or service contract CODED 1 Equipment repair 2 Service contract S07B col. b	CHAR(1)
RPAI_TYP		CHAR(1)
APPRPRYB	Equipment repair or service contract code CODED 100 Garbage disposal, range hood, or built-in dishwasher 110 Other household appliances, including washer, refrigerator or range/oven 120 Television, radio, video, and sound equipment except those installed in automobiles or other vehicles 130 Lawn and garden equipment 140 Musical instruments and accessories 150 Hand or power tools 160 Photographic equipment 170 Sport and recreational equipment 190 Termite or pest control treatment 200 Heating or air conditioning equipment 210 Combined expenses for equipment repair (100-180, 220) or service contracts (100-200, 220) 220 Computers, computer systems and related equipment for non-business use S07B col. c	CHAR(3)
APPR_RYB		CHAR(1)
SRVCMOB	In what month was (repair done/service contract purchased)? S07B col. d	CHAR(2)
SRVCMOB_		CHAR(1)
REPAIRX	What was the total cost? S07B col. e	NUM(6)
REPAIRX_		CHAR(1)

q. ***SECTION 7 HOUSEHOLD EQUIPMENT REPAIRS, SERVICE CONTRACTS, AND FURNITURE REPAIR AND REUPHOLSTERING***

PART D Furniture Repair or Reupholstering (EQD)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
SRVCMOD	In what month did you have the item of furniture repaired or reupholstered? S07D col. c	CHAR(2)
SRVCMOD_		CHAR(1)
FURNREPX	How much did it cost? S07D col. d	NUM(6)
FURN_EPX		CHAR(1)

r. ***SECTION 8 HOME FURNISHINGS AND RELATED HOUSEHOLD ITEMS***

PART A Purchases (FRA)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
FURNPURY	Item code CODED 100 Sofas 101 Living room chairs 102 Living room tables 103 Modular wall units, shelves or cabinets 104 Ping-pong, pool tables, other similar recreation room items 105 Other living room, family or recreation room furniture including desks 106 Living room furniture combinations (100-103, 105) 110 All dining room and kitchen furniture 120 Mattresses and springs 121 Bedroom furniture other than mattresses and springs 122 Bedroom furniture combinations (120, 121) 130 Infants furniture 131 Infants equipment 140 Patio, porch or outdoor furniture 141 Outdoor equipment	CHAR(3)

150 All office furniture for home use
160 Combined furniture expenses (100-105, 110, 120, 121, 130, 140, 141, 150)
170 Clocks
171 Lamps, and other lighting fixtures
173 Other household decorative items
180 Storage items
181 Travel items
190 Plastic dinnerware
191 China and other dinnerware
192 Stainless, silver, and other flatware
193 Glassware
195 Serving pieces other than silver
196 Non-electric cookware
197 Combined kitchenware (190-196)
198 Silver serving pieces
200 Bedroom linens
201 Bathroom linens
202 Kitchen and dining room linens
203 Other linens
204 Combined linens (200-203)
205 Slipcovers, decorative pillows and cushions
210 Original wall-to-wall carpeting
211 Replacement wall-to-wall carpeting
212 Room-size rugs and other non-permanent floor coverings, including carpet squares
214 Curtains and drapes
215 Venetian blinds, window shades, other window coverings
220 Combined expenses (170, 171, 173, 180, 190-193, 195, 196, 198, 200-203, 205, 210, 211-217)

S08A col. c

FURN_URY		CHAR(1)
FURNMO	In what month did you purchase the item? S08A col. d	CHAR(2)
FURNMO_		CHAR(1)
FURNGFTC	Was this purchased for your CU or as a gift to someone outside the CU? CODED 1 For use by the CU 2 As a gift to someone outside CU S08A col. e	CHAR(1)
FURN_FTC		CHAR(1)
FURNPURX	What was the purchase price? S08A col. f	NUM(6)

s. ***SECTION 8 HOME FURNISHINGS AND RELATED HOUSEHOLD ITEMS***

PART B Rental or Leasing of Furniture (FRB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
FURNRNTX	What was the total expense for renting or leasing furniture excluding any expenses for the current month? S08B 1b	NUM(6)
FURN_NTX		CHAR(1)

t. ***SECTION 9 CLOTHING AND SEWING MATERIALS***

PART A Clothing (CLA)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CLOTHYA	Item code CODED 100 Coats, jackets, and furs 110 Sport coats and tailored jackets 120 Suits 130 Vests 140 Sweaters and sweater sets 150 Pants, slacks, and jeans 160 Shorts and short sets (excluding athletic shorts) 170 Dresses 180 Skirts 190 Shirts, blouses and tops 200 Undergarments 210 Hosiery 220 Nightwear and loungewear 230 Accessories 240 Active sportswear 250 Uniforms (for which cost is not reimbursed) 260 Costumes 270 Combined clothing (100-260) 280 Footwear (include athletic shoes not specifically purchased for sports) S09A col. c	CHAR(3)
CLOTHQA	How many of this item did you purchase?	NUM(4)

	S09A col. e	
CLOTHQA_		CHAR(1)
CLOTHMOA	In what month did you purchase it? S09A col. f	CHAR(2)
CLOT_MOA		CHAR(1)
CLOTHXA	How much did it cost? S09A col. g	NUM(6)
CLOTHXA_		CHAR(1)
AGE_SEXA	Age/sex code of person for whom clothing item was purchased CODED 1 Male, 16 and over 2 Female, 16 and over 3 Male, 2 through 15 4 Female, 2 through 15 5 Infant under 2 years BLS derived	CHAR(1)
AGE__EXA		CHAR(1)
CLOGFTA	Identifier of purchase as gift or non-gift CODED 1 Gift 2 Non-gift BLS derived	CHAR(1)
CLOGFTA_		CHAR(1)

u. *SECTION 9 CLOTHING AND SEWING MATERIALS*

PART B Infants Clothing, Watches, Jewelry and Hairpieces (CLB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CLOTHYB	Item code CODED 200 Same as Section 8, Part A - Bedroom Linens (may be present if expenditures are allocated from layettes - CLOTHYB = 330) 201 Same as Section 8, Part A - Bathroom Linens (may be	CHAR(3)

present if expenditures are allocated from layettes - CLOTHYB = 330)
290 Infants coats, jackets, or snowsuits
300 Infants dresses and other outerwear
310 Infants' underwear and diapers, including disposable
320 Infants sleeping garments
330 Layettes (Allocated to codes 200, 201, 310, 320, 340)
340 Infants accessories
360 Combined clothing for infants (290-320, 340)
370 Watches
380 Jewelry
390 Hairpieces, wigs or toupees

S09B col. c

CLOTHYB_		CHAR(1)
CLOGFTB	Was this item purchased for your CU or for someone outside of your CU? CODED 1 CU member 2 Non-CU member S09B col. d	CHAR(1)
CLOGFTB_		CHAR(1)
CLOTHQB	How many of this item did you purchase? S09B col. e	NUM(4)
CLOTHQB_		CHAR(1)
CLOTHMOB	In what month did you purchase it? S09B col. f	CHAR(2)
CLOT_MOB		CHAR(1)
CLOTHXB	How much did it cost? S09B col. g	NUM(6)
CLOTHXB_		CHAR(1)
AGE_SEXB	Age/sex code of person for whom item was purchased CODED 5 Infant under 2 years Blank Purchases of watches, jewelry, hairpieces, wigs, and toupees BLS derived	CHAR(1)
AGE__EXB		CHAR(1)

v. ***SECTION 9 CLOTHING AND SEWING MATERIALS***

PART C Sewing Materials (CLC)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
SEWINGY	Item code CODED 400 Sewing materials for making slipcovers, curtains, etc., and for handwork in the home including yarn 410 Sewing materials for making clothes 420 Sewing notions 430 Other sewing materials 440 Combined sewing materials (400-430) S09C col. c	CHAR(3)
SEWINGY_		CHAR(1)
SEWGFTC	Was this item purchased for your CU or for someone outside your CU? CODED 1 CU member 2 Non-CU member S09C col. d	CHAR(1)
SEWGFTC_		CHAR(1)
SEWINGMO	In what month did you purchase it? S09C col. e	CHAR(2)
SEWI_GMO		CHAR(1)
SEWINGX	How much did it cost? S09C col. f	NUM(6)
SEWINGX_		CHAR(1)

w. ***SECTION 9 CLOTHING AND SEWING MATERIALS***

PART D Clothing Services (CLD)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CLOTHYD	Item code CODED 450 Repair, alteration, and tailoring for clothing and accessories 460 Shoe repair and other shoe services 470 Watch or jewelry repair 480 Clothing rental 490 Clothing storage 500 Combined expenses (450-490) S09D col. c	CHAR(3)
CLOTHYD_		CHAR(1)
CLSVGFTC	Was this service purchased for your CU or for someone outside your CU? CODED 1 CU member 2 Non-CU member S09D col. d	CHAR(1)
CLSV_FTC		CHAR(1)
CLOTHMOD	In what month did you purchase it? S09D col. e	CHAR(2)
CLOT_MOD		CHAR(1)
CLSRVCX	How much did it cost? S09D col. f	NUM(6)
CLSRVCX_		CHAR(1)

x. ***SECTION 10 RENTED AND LEASED VEHICLES***

PART A.1 Screening Questions (RTV)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
RENTCODE	Vehicle code CODED 100 Automobile 110 Truck, including vans 120 Motorized camper-coach 130 Trailer-type camper 140 Other attachable-type camper 150 Motorcycle, motor scooter or moped (motorized bicycle) 160 Boat, with a motor 170 Boat, without a motor 180 Trailer other than camper type, such as for a boat or cycle 190 Private plane 200 Any other vehicle S10A.1 2b	CHAR(3)
RENT_ODE		CHAR(1)
BSNSPCTZ	What percent of the total rental expenses were (will be) deducted as business expenses, reimbursed, or paid by someone else? S10A.1 5a / S10.2 5a	NUM(3.2)
BSNS_CTZ		CHAR(1)
QADRENTX	Amount paid for renting vehicle, adjusted for business Census derived	NUM(8)
QADR_NTX		CHAR(1)
ANYVACAT	Was it rented solely for use on a vacation, overnight trip, or a trip of 75 miles or more one way? CODED 1 Yes 2 No S10A.1 3	CHAR(1)
ANYV_CAT		CHAR(1)

y. ***<u>SECTION 10 RENTED AND LEASED VEHICLES</u>***

<u>PART B Detailed Questions for Leased Vehicles (LSD)</u>

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
LSDNUM	Vehicle number S10B 1a	CHAR(2)
LSDNUM_		CHAR(1)
LSDCODE	Vehicle code CODED 100 Automobile 110 Truck or van S10B 1b	CHAR(3)
LSDCODE_		CHAR(1)
MODELYR	What is the year of the vehicle? S10B 2	CHAR(4)
MODELYR_		CHAR(1)
MODEL	What is the make and model of the vehicle? Census derived	CHAR(4)
MODEL_		CHAR(1)
NUMCYL	How many cylinders does it have? (0 if rotary, turbine, or electric) S10B 3	NUM(2)
NUMCYL_		CHAR(1)
ANYAUTO	Does it have automatic transmission? CODED 1 Yes 2 No S10B 4a	CHAR(1)
ANYAUTO_		CHAR(1)
ANYSTEER	Does it have power steering? CODED 1 Yes	CHAR(1)

2 No

S10B 4b

ANYS_EER		CHAR(1)
ANYBRAKE	Does it have power brakes? CODED 1 Yes 2 No S10B 4c	CHAR(1)
ANYB_AKE		CHAR(1)
ANYAC	Does it have air conditioning? CODED 1 Yes 2 No S10B 4d	CHAR(1)
ANYAC_		CHAR(1)
ANYROOF	Does it have a sun roof? CODED 1 Yes 2 No S10B 4e	CHAR(1)
ANYROOF_		CHAR(1)
ANYTURBO	Does it have a turbo charged engine? CODED 1 Yes 2 No S10B 4f	CHAR(1)
ANYT_RBO		CHAR(1)
ANYDIESL	Does it have a diesel engine? CODED 1 Yes 2 No S10B 4g	CHAR(1)
ANYD_ESL		CHAR(1)
ANYWHEEL	Does it have four wheel drive? CODED 1 Yes 2 No	CHAR(1)

	S10B 4h	
ANYW_EEL		CHAR(1)
DOORS	How many doors does it have? (LSDCODE = 100 only)	NUM(1)
	S10B 5a	
DOORS_		CHAR(1)
TYPEVEH	Is it a . . . ? (LSDCODE = 100 only) CODED 1 Station wagon 2 Convertible 3 Hatchback 4 Other	CHAR(1)
	S10B 5b	
TYPEVEH_		CHAR(1)
PRCBSNSZ	What percent of the mileage is counted as a business expense?	NUM(3.2)
	S10B 6b	
PRCB_NSZ		CHAR(1)
MILESVEH	How many miles are currently on the vehicle?	NUM(6)
	S10B 7	
MILE_VEH		CHAR(1)
NEWUSED	Was it new or used when first leased? CODED 1 New 2 Used	CHAR(1)
	S10B 8	
NEWUSED_		CHAR(1)
LSDSOURC	Was this vehicle leased from a . . . ? (Lessor) CODED 1 New or used vehicle dealer 2 Independent leasing company 3 Bank 4 Someplace else	CHAR(1)
	S10B 9	
LSDS_URC		CHAR(1)
NUMPAY	What was the number of payments contracted for?	NUM(3)
	S10B 10a	

NUMPAY_		CHAR(1)
PMTMONTH	In what month was the first payment made? S10B 10b	CHAR(2)
PMTM_NTH		CHAR(1)
PAYEXPX	What is the amount of each payment? S10B 10c	NUM(4)
PAYEXPX_		CHAR(1)
PAYTIME	What period is covered by each payment? CODED 1 Week 2 2 weeks 3 Month 4 Quarter 5 Semiannually 6 Annually 7 Other S10B 10d	CHAR(1)
PAYTIME_		CHAR(1)
EMPLYEXP	How much of the leasing cost is paid by an employer? S10B 11	NUM(8)
EMPL_EXP		CHAR(1)
TRADEEXP	How much was the trade-in allowance received? S10B 12	NUM(8)
TRAD_EXP		CHAR(1)
DOWNEXP	How much was the cash down payment made? S10B 13a	NUM(8)
DOWNEXP_		CHAR(1)
DNEMPEXP	How much of the cash down payment was paid by an employer? S10B 13b	NUM(8)
DNEM_EXP		CHAR(1)
LSDENDMO	In what month was the lease terminated? S10B 14b	CHAR(2)

LSDE_DMO		CHAR(1)
QADPMT1X	Amount paid for all leasing charges, adjusted for business, first month of reference period	NUM(8)
	Census derived	
QADP_T1X		CHAR(1)
QADPMT2X	Amount paid for all leasing charges, adjusted for business, second month of reference period	NUM(8)
	Census derived	
QADP_T2X		CHAR(1)
QADPMT3X	Amount paid for all leasing charges, adjusted for business, third month of reference period	NUM(8)
	Census derived	
QADP_T3X		CHAR(1)
QEXTRA1X	Amount of charges other than lease amount, such as auto insurance or maintenance, adjusted for business, first month of reference period	NUM(8)
	Census derived	
QEXT_A1X		CHAR(1)
QEXTRA2X	Amount of charges other than lease amount, such as auto insurance or maintenance, adjusted for business, second month of reference period	NUM(8)
	Census derived	
QEXT_A2X		CHAR(1)
QEXTRA3X	Amount of charges other than lease amount, such as auto insurance or maintenance, adjusted for business, third month of reference period	NUM(8)
	Census derived	
QEXT_A3X		CHAR(1)
QADDOWNX	Amount of cash down payment, adjusted for business	NUM(8)
	Census derived	
QADD_WNX		CHAR(1)
QADFEEX	Amount of fees at termination of loan, adjusted for business	NUM(8)

Census derived

QADFEEX_		CHAR(1)

Z. ***SECTION 11 OWNED VEHICLES***

PART B Detailed Questions (OVB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VEHICYB	Vehicle code CODED 100 Automobile 110 Truck, including vans 120 Motorized camper-coach 130 Trailer-type camper 140 Other attachable-type camper 150 Motorcycle, motor scooter or moped (motorized bicycle) 160 Boat, with a motor 170 Boat, without a motor 180 Trailer other than camper type, such as for a boat or cycle 200 Any other vehicle S11B 1b	CHAR(3)
VEHICYB_		CHAR(1)
VEHICYR	What is the year of the vehicle? CODED 01 <= 1969 02 1970-1974 03 1975-1979 04 1980-1982 05 1983-1985 06 1986 07 1987 08 1988 09 1989 10 1990 11 1991 12 1992 13 1993 14 1994 15 1995 16 1996 17 1997 18 1998 19 1999 20 2000	CHAR(2)

	21 2001	
	BLS derived	
VEHICYR_		CHAR(1)
MKMDLY	What is the make and model of the vehicle?	CHAR(4)
	Census derived	
MKMDLY_		CHAR(1)
CYLQ	How many cylinders does it have? (0 if rotary, turbine, or electric)	NUM(2)
	S11B 4	
CYLQ_		CHAR(1)
AUTOTRAN	Does it have automatic transmission? CODED 1 Yes 2 No	CHAR(1)
	S11B 5a	
AUTO_RAN		CHAR(1)
PWRSTEER	Does it have power steering? CODED 1 Yes 2 No	CHAR(1)
	S11B 5b	
PWRS_EER		CHAR(1)
PWRBRAKE	Does it have power brakes? CODED 1 Yes 2 No	CHAR(1)
	S11B 5c	
PWRB_AKE		CHAR(1)
AIRCAR	Does it have air conditioning? CODED 1 Yes 2 No	CHAR(1)
	S11B 5d	
AIRCAR_		CHAR(1)
SUNROOF	Does it have a sun roof?	CHAR(1)

	CODED 1 Yes 2 No S11B 5e	
SUNROOF_		CHAR(1)
TURBOCHG	Does it have a turbo charged engine? CODED 1 Yes 2 No S11B 5f	CHAR(1)
TURB_CHG		CHAR(1)
DIESEL	Does it have a diesel engine? CODED 1 Yes 2 No S11B 5g	CHAR(1)
DIESEL_		CHAR(1)
FRWHLDRV	Does it have four wheel drive? CODED 1 Yes 2 No S11B 5h	CHAR(1)
FRWH_DRV		CHAR(1)
NUMDOOR	How many doors does it have? (VEHICYB = 100 only) S11B 6a	NUM(1)
NUMDOOR_		CHAR(1)
AUTOTYPE	Is it a . . . ? (VEHICYB = 100 only) CODED 1 Station wagon 2 Convertible 3 Hatchback 4 Other S11B 6b	CHAR(1)
AUTO_YPE		CHAR(1)
VEHBSNZ	What percent of the mileage is counted as a business expense? S11B 7b	NUM(4.2)

VEHBSNZ_		CHAR(1)
VEHNEWU	Was it new or used when acquired? CODED 1 New 2 Used S11B 8	CHAR(1)
VEHNEWU_		CHAR(1)
VPURSRCE	Was this vehicle purchased from . . . ? (Seller) CODED 1 Vehicle dealership 2 Private individual 3 Other S11B 9	CHAR(1)
VPUR_RCE		CHAR(1)
VEHGFTC	Was this vehicle . . . ? CODED 1 Purchased for own use 2 Purchased as gift to person outside CU 3 Received as gift S11B 10a	CHAR(1)
VEHGFTC_		CHAR(1)
VEHPURMO	In what month was it purchased? S11B 11	CHAR(2)
VEHP_RMO		CHAR(1)
VEHPURYR	In what year was it purchased? S11B 11	CHAR(4)
VEHP_RYR		CHAR(1)
VFINSTAT	On the 1st of *(month, 3 months ago)*, were all loans on this vehicle paid off or were there any remaining payments to be made? CODED 1 Paid off 2 Remaining payments S11B 12b	CHAR(1)
VFIN_TAT		CHAR(1)
TRADEX	How much was the trade-in allowance received?	NUM(6)

	S11B 13b	
TRADEX_		CHAR(1)
NETPURX	What was the amount paid for it after trade-in allowance and discount?	NUM(6)
	S11B 13c	
NETPURX_		CHAR(1)
EMPLEXPX	How much of the amount or price was paid by an employer?	NUM(6)
	S11B 13f	
EMPL_XPX		CHAR(1)
DNPAYMTX	What was the amount of the cash down payment? (VFINSTAT = 2 only)	NUM(6)
	S11B 14	
DNPA_MTX		CHAR(1)
FIN_INST	What was the source of credit? (VFINSTAT = 2 only) CODED 1 Auto dealer 2 Finance company 3 Bank 4 Credit union 5 Insurance company 6 Individual 7 Other	CHAR(1)
	S11B 15a	
FIN__NST		CHAR(1)
PRINCIPX	How much was borrowed, excluding any interest?	NUM(6)
	S11B 15c	
PRIN_IPX		CHAR(1)
VEHQPMT	What was the number of payments contracted for?	NUM(4)
	S11B 15d	
VEHQPMT_		CHAR(1)
PMT1MO	In what month was the first payment made?	CHAR(2)
	S11B 15e	
PMT1MO_		CHAR(1)

PMT1YR	In what year was the first payment made? S11B 15e	CHAR(4)
PMT1YR_		CHAR(1)
PAYMENTX	What is the amount of each payment? S11B 15f	NUM(4)
PAYM_NTX		CHAR(1)
PMTPERD	What period is covered by each payment? CODED 1 Week 2 2 weeks 3 Month 4 Quarter 5 Semiannually 6 Annually 7 Other S11B 15g	CHAR(1)
PMTPERD_		CHAR(1)
EXTRCHGX	How much of the payment is for charges other than principal and interest such as auto insurance or credit life insurance? S11B 15i	NUM(6)
EXTR_HGX		CHAR(1)
QINTRSTZ	Interest rate, based on the direct ratio formula QINTRSTZ=(72*((VEHQPMT*PAYMENTX)-PRINCIPX))/(((3*PRINCIPX)*(VEHQPMT + 1)) + (((VEHQPMT*PAYMENTX)-PRINCIPX)*(VEHQPMT-1))) BLS derived	NUM(5.4)
QINT_STZ		CHAR(1)
	The following is the calculation of the next 12 variables, monthly principal, interest, balance and number of months. Note that i goes from 1 to 3. If QINTRSTZ > 0 then QBALNMiX=[PRINCIPX*(1 + (QINTRSTZ/12))**(QLOANMiQ-1)] + [PAYMENTX*((1 - (1 + (QINTRSTZ/12))**(QLOANMiQ-1))/(QINTRSTZ/12))] Else if QINTRSTZ = 0 then QBALNMiX=PRINCIPX - ((QLOANMiQ - 1) * PAYMENTX) NOTE: If QBALNM1X < 0 then set the following variables to blank:	

QLOANM1-3Q, QBALNM1-3X, QVINTM1-3X, QADITR1-3X, QINTRSTZ

Else if QBALNM2X < 0 then set the following variables to blank:
QLOANM2-3Q, QBALNM2-3X, QVINTM2-3X, QVPRIM2-3X, QADITR2-3X

Else if QBALNM3X < 0 then set the following variables to blank:
QLOANM3Q, QBALNM3X, QVINTM3X, QVPRIM3X, QADITR3X

NOTE: If the loan has not yet begun, the variables will be set to blank.

QVINTMiX=QBALNMiX * (QINTRSTZ/12)
QVPRIMiX=PAYMENTX - QVINTMiX

QLOANM1Q	Number of months since the inception of loan as of first month of reference period BLS derived	NUM(4)
QLOA_M1Q		CHAR(1)
QBALNM1X	Principal balance outstanding at the beginning of first month of reference period BLS derived	NUM(8)
QBAL_M1X		CHAR(1)
QVINTM1X	Amount of interest paid during first month of reference period BLS derived	NUM(8)
QVIN_M1X		CHAR(1)
QVPRIM1X	Amount of principal paid during first month of reference period BLS derived	NUM(8)
QVPR_M1X		CHAR(1)
QLOANM2Q	Number of months since the inception of loan as of second month of reference period BLS derived	NUM(4)
QLOA_M2Q		CHAR(1)
QBALNM2X	Principal balance outstanding at the beginning of second month of reference period BLS derived	NUM(8)
QBAL_M2X		CHAR(1)

QVINTM2X	Amount of interest paid during second month of reference period BLS derived	NUM(8)
QVIN_M2X		CHAR(1)
QVPRIM2X	Amount of principal paid during second month of reference period BLS derived	NUM(8)
QVPR_M2X		CHAR(1)
QLOANM3Q	Number of months since the inception of loan as of third month of reference period BLS derived	NUM(4)
QLOA_M3Q		CHAR(1)
QBALNM3X	Principal balance outstanding at the beginning of second month of reference period BLS derived	NUM(8)
QBAL_M3X		CHAR(1)
QVINTM3X	Amount of interest paid during third month of reference period BLS derived	NUM(8)
QVIN_M3X		CHAR(1)
QVPRIM3X	Amount of principal paid during third month of reference period BLS derived	NUM(8)
QVPR_M3X		CHAR(1)
QTRADEX	Amount paid for vehicle after trade-in allowance minus amount of cost paid by employer If EMPLEXPX is not an illegal entry code: QTRADEX = NETPURX – EMPLEXPX Else If VEHBSNZ is present: QTRADEX = NETPURX - VEHBSNZ * NETPURX Else QTRADEX = NETPURX - .20 * NETPURX Census derived	NUM(8)
QTRADEX_		CHAR(1)
QREIMBRZ	Percent of cost paid by employer after trade-in allowance	NUM(4.2)

	(EMPLEXPX/NETPURX)	
	Census derived	
QREI_BRZ		CHAR(1)
QADITR1X	Amount of interest paid during first month of reference period, adjusted for business (QVINTM1X * (1-QREIMBRZ))	NUM(8)
	BLS derived	
QADI_R1X		CHAR(1)
QADITR2X	Amount of interest paid during second month of reference period, adjusted for business (QVINTM2X * (1-QREIMBRZ))	NUM(8)
	BLS derived	
QADI_R2X		CHAR(1)
QADITR3X	Amount of interest paid during third month of reference period, adjusted for business (QVINTM3X * (1-QREIMBRZ))	NUM(8)
	BLS derived	
QADI_R3X		CHAR(1)
QDNPYMTX	Amount of down payment, adjusted for business (DNPAYMTX * (1-QREIMBRZ))	NUM(6)
	Census derived	
QDNP_MTX		CHAR(1)
VEHMILE	How many miles are currently on the vehicle? (VEHICYB = 100-120, 150 only)	NUM(6)
	S11B 10b	
VEHMILE_		CHAR(1)
VEHEQTLN	Was the source of credit a home equity loan? (FIN_INST = 2, 3, 4 only) CODED 1 Yes 2 No	CHAR(1)
	S11B 15b	
VEHE_TLN		CHAR(1)

VEHICIB	Vehicle number S11B 1a	CHAR(2)
VEHICIB_		CHAR(1)

aa. ***SECTION 11 OWNED VEHICLES***

PART C Disposal of Vehicles (OVC)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VEHICYC	Vehicle code CODED 100 Automobile 110 Truck, including vans 120 Motorized camper-coach 130 Trailer-type camper 140 Other attachable-type camper 150 Motorcycle, motor scooter or moped (motorized bicycle) 160 Boat, with a motor 170 Boat, without a motor 180 Trailer other than camper type, such as for a boat or cycle 200 Any other vehicle S11C 1b	CHAR(3)
VEHICYC_		CHAR(1)
VEHDISP	How did you dispose of the vehicle? CODED 1 Sold 2 Traded in 3 Given away to someone outside the CU, including students away at school 4 Damaged beyond repair 5 Stolen 6 Other S11C 2a	CHAR(1)
VEHDISP_		CHAR(1)
VDISPMO	In what month was it disposed of? S11C 2b	CHAR(2)
VDISPMO_		CHAR(1)

SALEX	How much did you sell it for? (VEHDISP = 1 only) S11C 3	NUM(6)
SALEX_		CHAR(1)
REIMBURX	How much did you receive for the vehicle? (VEHDISP = 4 or 5 only) S11C 4b	NUM(6)
REIM_URX		CHAR(1)
EXREIMBX	How much will you receive for the vehicle? (VEHDISP = 4 or 5 only) S11C 4d	NUM(6)
EXRE_MBX		CHAR(1)
LOANSTAT	Were there any outstanding loans on the vehicle when it was disposed of? CODED 1 Yes 2 No S11C 5a	CHAR(1)
LOAN_TAT		CHAR(1)
FINPAYMX	How much was the final payment made on any outstanding loan? S11C 5c	NUM(6)
FINP_YMX		CHAR(1)
VEHICIC	Vehicle number S11C 1a	CHAR(2)
VEHICIC_		CHAR(1)

bb. ***SECTION 12 VEHICLE OPERATING EXPENSES (VEQ)***

PART A Vehicle Maintenance and Repair, Parts, and Equipment

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VOPVEHYA	Which vehicle was the item for? CODED 100 Automobile 110 Truck, including vans 120 Motorized camper-coach 130 Trailer-type camper 140 Other attachable-type camper 150 Motorcycle, motor scooter or moped (motorized bicycle) 160 Boat, with a motor 170 Boat, without a motor 180 Trailer other than camper type, such as for a boat or cycle 200 Any other vehicle S12A col. e	CHAR(3)
VOPV_HYA		CHAR(1)
VOPMOA	In what month did you have this expense? S12A col. f	CHAR(2)
VOPMOA_		CHAR(1)
VOPEXPX	What was the total cost? S12A col. g	NUM(6)
VOPEXPX_		CHAR(1)
VOPRMBXA	How much was (will be) reimbursed? S12A col. j	NUM(6)
VOPR_BXA		CHAR(1)

QVOPEQPX	Amount paid for vehicle equipment or maintenance less reimbursements If VOPRMBXA is present: QVOPEQPX = VOPEXPX - VOPRMBXA Else: If VOPREIMA = 1 then QVOPEQPX = 0 If VOPREIMA = 2 then QVOPEQPX = VOPEXPX * .6 If VOPREIMA = 3 then QVOPEQPX = VOPEXPX * .5 If VOPREIMA = 4 then QVOPEQPX = VOPEXPX Census derived	NUM(8)
QVOP_QPX		CHAR(1)
VOPSERVY	Item code CODED 100 Oil change, lubrication, and oil filter 110 Motor tune-up 120 Brake work 130 Battery purchase and installation 140 Tire purchases and mounting 150 Tire repair 160 Front end alignment, wheel balancing, and wheel rotation 170 Steering or front end work 180 Electrical system work 190 Engine repair or replacement 200 Air conditioning work 210 Engine cooling system work 300 Exhaust system work 310 Clutch or transmission work 320 Body work and painting 330 Shock absorber replacement 340 Drive shaft or rear-end work 350 Audio equipment and installation 360 Vehicle accessories and customization 370 Other vehicle services, parts, and equipment 500 Combined expenses (100-370) S12A col. c	CHAR(3)
VOPS_RVY		CHAR(1)
VOPLABOR	Did this expense include labor? CODED 1 Yes 2 No S12A col. d	CHAR(1)
VOPL_BOR		CHAR(1)

VOPREIMB	Has (Will) any of this expense been (be) reimbursed? CODED 1 Yes 2 No S12A col. i	CHAR(1)
VOPR_IMB		CHAR(1)

cc. *SECTION 12 VEHICLE OPERATING EXPENSES*

PART B Licensing, Registration, and Inspection of Vehicles (VLR)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VOPREGY	Item code CODED 400 Driver's license 410 Vehicle inspection 420 Vehicle registration 430 Combined expenses (400 - 420) S12B col. c	CHAR(3)
VOPREGY_		CHAR(1)
VOPMO_C	In what month did you have this expense? S12B col. d	CHAR(2)
VOPMO_C_		CHAR(1)
VOPREGX	What was the total amount of this expense? S12B col. e	NUM(4)
VOPREGX_		CHAR(1)

dd. *SECTION 12 VEHICLE OPERATING EXPENSES*

PART C Other Vehicle Operating Expenses (VOT)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
VOPFLUDX	Since the 1st of (month, 3 months ago), what was the total cost of purchases of antifreeze, brake fluid, transmission fluid, or, additives, except if purchased with a tune-up? Do not include purchases for vehicles used entirely for business. S12C 3b	NUM(5)
VOPF_UDX		CHAR(1)
VOPPARKX	Since the 1st of *(month, 3 months ago)*, how much was paid, excluding any payments made this month, for parking, including garage rental, metered parking and parking lot fees, except expenses included in property ownership costs? (Do not include parking expenses that are totally reimbursed or paid entirely for business.) S12C 4b	NUM(5)
VOPP_RKX		CHAR(1)
VOPTOWX	Since the 1st of *(month, 3 months ago)*, how much was paid, excluding any payments made in the current month, for towing charges, excluding contracted or pre-paid charges? S12C 4d	NUM(5)
VOPTOWX_		CHAR(1)
VOPDOCKX	Since the 1st of *(month, 3 months ago)*, how much was paid, excluding any payments made in the current month, for docking and landing fees for boats and planes? S12C 4f	NUM(5)
VOPD_CKX		CHAR(1)
VOPPLCYX	Since the 1st of *(month, 3 months ago)*, excluding *(this month)*, how much were expenses for auto repair service policies? Do not include service policies for vehicles used entirely for business. S12C 5b	NUM(5)
VOPP_CYX		CHAR(1)
TANKGASX	Since the 1st of *(month, 3 months ago)*, excluding *(this month)*,	NUM(6)

	how much were expenses for bottled or tank gas for recreational vehicles, including vans, campers, and boats?	
	S12C 6b	
TANK_ASX		CHAR(1)
QBSNSEPZ	Percent of expenses for gasoline and other fuels counted as business expense	NUM(4.2)
	Census derived	
QBSN_EPZ		CHAR(1)
QOIL3MCX	Amount paid for oil, other than oil included with purchase of oil change, during the reference period	NUM(8)
	Census derived	
QOIL_MCX		CHAR(1)
JGASOXQV	Quarterly expenditure on gasoline and other non-diesel fuels to operate automobiles, trucks, motorcycles, or any other vehicles, adjusted for business	NUM(8)
	BLS derived	
JGAS_XQV		CHAR(1)
JDIESXQV	Quarterly expenditure on diesel fuel to operate automobiles, trucks, motorcycles, or any other vehicles, adjusted for business	NUM(8)
	BLS derived	
JDIE_XQV		CHAR(1)

ee. *SECTION 13 INSURANCE OTHER THAN HEALTH*

PART B Detailed Questions (INB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
POLICYIB	Policy number	CHAR(2)
	S13B 1a	
POLI_YIB		CHAR(1)
PLCYSTAB	Policy discontinued	CHAR(1)

	CODED 1 Discontinued S13B 1b	
PLCY_TAB		CHAR(1)
POLICYYB	What type of insurance is (was) it? CODED 100 Life insurance, or other policies which provide benefits in case of death or disability 200 Automobile or other vehicle insurance 300 Homeowner's insurance (Now includes fire and extended coverage insurance, previously collected separately under code 500) 400 Tenant's insurance 500 Other types of non-health insurance S13B 2b	CHAR(3)
POLI_YYB		CHAR(1)
INSPRPY1	Property(ies) policy covers? (PROP_NOB from Section 3, Part B) (POLICYYB = 300 or 500 only) S13B 5b	CHAR(2)
INSP_PY1		CHAR(1)
INSPRPY2	See INSPRPY1 for question and source.	CHAR(2)
INSP_PY2		CHAR(1)
INSPRPY3	See INSPRPY1 for question and source.	CHAR(2)
INSP_PY3		CHAR(1)
INSPRPY4	See INSPRPY1 for question and source.	CHAR(2)
INSP_PY4		CHAR(1)
INSPRPY5	See INSPRPY1 for question and source.	CHAR(2)
INSP_PY5		CHAR(1)
INSPRPY6	See INSPRPY1 for question and source.	CHAR(2)
INSP_PY6		CHAR(1)
PREMPAID	Are the policy premiums paid . . .? (Payer) CODED 1 Entirely by CU 2 Partially by CU and partially by someone outside the CU 3 Entirely by an employer or union 4 Entirely by another group or persons outside the CU	CHAR(1)

	S13B 6a	
PREM_AID		CHAR(1)
PAYDEDPR	Are any premiums paid through payroll deductions? (PREMPAID = 1 or 2 only) CODED 1 Yes 2 No	CHAR(1)
	S13B 6b	
PAYD_DPR		CHAR(1)
PREMPERD	How often are premiums on this policy paid? (PREMPAID = 1 or 2 only) CODED 1 Weekly 2 Biweekly 3 Monthly - directly 4 Monthly - in mortgage payment 5 Quarterly 6 Semiannually 7 Annually 8 Paid-up policy 9 Other	CHAR(1)
	S13B 7	
PREM_ERD		CHAR(1)
QINSRDDZ	Percent of vehicle expense paid by CU, adjusted for business, averaged over all owned vehicles (The percentage is derived from a variable in Section 11, Part B.) QINSRDDZ = SUM(1-VEHBSNZ)/n Census derived	NUM(4.2)
QINS_DDZ		CHAR(1)
QPROPDDZ	Percent of owned property expense paid by CU, adjusted for business, averaged over all properties. (The percentage is derived from a variable in Section 3, Part B.) QPROPDDZ = SUM(1-OBSNSZB)/n Census derived	NUM(4.2)
QPRO_DDZ		CHAR(1)
QRTINDDZ	Percent of rented property expense paid by CU, adjusted for business, averaged over all properties. (The percentage is derived from a variable in Section 2.)	NUM(4.2)

	QRTINDDZ = SUM(1-RTBSNSZ)/n Census derived	
QRTI_DDZ		CHAR(1)
QVH3MCMX	Amount paid in premiums for automobile or other vehicle insurance, adjusted for business, during reference period Census derived	NUM(8)
QVH3_CMX		CHAR(1)
QPR3MCMX	Amount paid in premiums for homeowner's and fire and extended coverage insurance, adjusted for business, during reference period Census derived	NUM(8)
QPR3_CMX		CHAR(1)
QTN3MCMX	Amount paid in premiums for tenant's insurance, adjusted for business, during reference period Census derived	NUM(8)
QTN3_CMX		CHAR(1)
QLIFCMX	Amount paid in premiums for life insurance or other policies which provide benefits in case of death during reference period Census derived	NUM(8)
QLIFCMX_		CHAR(1)
QOTHCMX	Amount paid in premiums for other types of non-health insurance during reference period Census derived	NUM(8)
QOTHCMX_		CHAR(1)
INSPTYPE	Property code for insurance CODED 1 The home in which you (your CU) currently live(s) or a home in which you (your CU) used to live 2 A second home, vacation home or recreational property 3 Unimproved land with no buildings on it or other owned property BLS derived	CHAR(1)
INSP_YPE		CHAR(1)

ff. ***SECTION 14 HOSPITALIZATION AND HEALTH INSURANCE***

PART B Detailed Questions (IHB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
HHIPDLIB	Policy number S14B 1a	CHAR(2)
HHIP_LIB		CHAR(1)
HHISTATB	Policy discontinued CODED 1 Discontinued S14B 1b	CHAR(1)
HHIS_ATB		CHAR(1)
HHICOVQ	How many CU members are covered by this policy? NOTE: When a CU consisting of two or more persons has reported the existence of a policy, but does not answer this question, the value for this variable defaults to 99. S14B 3	NUM(2)
HHICOVQ_		CHAR(1)
HHIGROUP	Was the policy obtained on an individual or group basis? CODED 1 Individually obtained 2 Group through place of employment 3 Group through other organization S14B 5	CHAR(1)
HHIG_OUP		CHAR(1)
HHIPRMPD	By whom are the premiums paid? CODED 1 Entirely by CU members 2 Partially by CU members 3 Entirely by an employer or union 4 Entirely by another group or person outside of CU S14B Q6	CHAR(1)
HHIP_MPD		CHAR(1)

HHIPRDED	Are any of the premiums paid through payroll deductions? (HHIPRMPD = 1 or 2 only) CODED 1 Yes 2 No S14B Q7	CHAR(1)
HHIP_DED		CHAR(1)
HHIRPMPD	What period of time is covered by the regular payment? (HHIPRMPD = 1 or 2 only) CODED 1 Week 2 2 weeks 3 Month 4 Quarter 5 6 months 6 Year 7 Other S14B Q8b	CHAR(1)
HHIR_MPD		CHAR(1)
QHI3MCX	Amount paid for health insurance premiums during the reference period Census derived	NUM(8)
QHI3MCX_		CHAR(1)
HHIBCBS	What is the name of the insurance company? (This variable identifies Blue Cross/Blue Shield plans only.) CODED 1 Blue Cross/Blue Shield S14B 2	CHAR(1)
HHIBCBS_		CHAR(1)
HHICODE	What type of insurance plan is it? CODED 1 Health maintenance organization 2 Fee for service plan 3 Commercial Medicare supplement 4 Other special purpose plan S14B 4a	CHAR(1)
HHICODE_		CHAR(1)
HHIPOS	If, except in the case of an emergency, you go to a doctor other than one in the group center or your primary care doctor, without a referral, will the plan pay any of your expenses? (HHICODE = 1 only)	CHAR(1)

CODED
1 Yes
2 No

S14B 4b

HHIPOS_		CHAR(1)
HHIFEET	Is this fee for service plan a - ? (HHICODE = 2 only) CODED 1 Traditional Fee for Service Plan 2 Preferred Provider Option Plan S14B 4c	CHAR(1)
HHIFEET_		CHAR(1)
HHISPECT	Is this special purpose insurance plan - ? (HHICODE = 4 only) CODED 1 Dental insurance 2 Vision insurance 3 Prescription drug insurance 4 Mental health insurance 5 Dread disease policy 6 Other type of special purpose health insurance S14B 4d	CHAR(1)
HHIS_ECT		CHAR(1)

gg. *SECTION 14 HOSPITALIZATION AND HEALTH INSURANCE*

PART C Medicare, Medicaid and Other Health Insurance Plans Not Directly Paid For By The CU (IHC)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	**ITEM DESCRIPTION**	**FORMAT**
HHMCRENR	Are you (or any members of your CU) presently enrolled in Medicare or have you (or any members of your CU) been enrolled since the 1st of *(month, 3 months ago)*? Medicare is the Federal Health Insurance Plan. CODED 1 Yes 2 No S14C 1a	CHAR(1)
HHMC_ENR		CHAR(1)
HHMCRCOV	How many members of your CU are covered by Medicare? (HHMCRENR = 1 only)	NUM(2)

	S14C 1b	
HHMC_COV		CHAR(1)
MDCDENR	Is anyone in your CU enrolled in Medicaid or has anyone in your CU been enrolled since the 1st of *(month, 3 months ago)*?? CODED 1 Yes 2 No	CHAR(1)
	S14C 2a	
MDCDENR_		CHAR(1)
MDCDCOV	How many members of your CU are covered by Medicaid? (MDCDENR = 1 ONLY)	NUM(2)
	S14C 2b	
MDCDCOV_		CHAR(1)
OTHPLAN	Are you (or any members of CU) covered by any plan other than Medicare or Medicaid which provides free health care such as CHAMPUS or military health care? CODED 1 Yes 2 No	CHAR(1)
	S14C 3	
OTHPLAN_		CHAR(1)
QCUMED1X	CU's combined Medicare cost in month 1?	NUM(9.2)
	Census derived	
QCUM_D1X		CHAR(1)
QCUMED2X	CU's combined Medicare cost in month 2?	NUM(9.2)
	Census derived	
QCUM_D2X		CHAR(1)
QCUMED3X	CU's combined Medicare cost in month 3?	NUM(9.2)
	Census derived	
QCUM_D3X		CHAR(1)

hh. *SECTION 15 MEDICAL AND HEALTH EXPENDITURES*

PART B Payments For Medical Expenses (MDB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
MEDPCARY	Item code (Payment) CODED 110 Eye examinations, treatment, or surgery 120 Purchase of eye glasses or contact lenses 130 Combined eye care services (110, 120) 200 Dental care 310 Hospital room 320 Hospital services 330 Combined hospital room and services (310, 320) 410 Services by medical professionals other than physician 420 Physician services 430 Combined hospital care and physicians' services (310, 320, 410, 420) 510 Lab tests or x-rays 520 Care in convalescent or nursing home 530 Other medical care 540 Combined medical care services (510-530) 610 Hearing aids 620 Prescribed medicines or prescribed drugs 630 Rental of supportive or convalescent equipment 640 Purchase of supportive or convalescent equipment 650 Rental of medical or surgical equipment for general use 660 Purchase of medical or surgical equipment for general use 670 Combined medicine and medical supplies (610-660) S15B col. a	CHAR(3)
MEDP_ARY		CHAR(1)
MEDPGFTC	Was the person who received the care a CU member? CODED 1 Yes 2 No S15B col. b	CHAR(1)
MEDP_FTC		CHAR(1)
MEDPMTMO	In what month was (were) the payment(s) made? S15B col. c	CHAR(2)
MEDP_TMO		CHAR(1)
MEDPMTX	What was the amount of the payment?	NUM(8)

S15B col. d

MEDPMTX_		CHAR(1)

ii. *SECTION 15 MEDICAL AND HEALTH EXPENDITURES*

PART D Reimbursements For Medical Expenses (MDC)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
MEDRCARY	Item code (Reimbursement) CODED 110 Eye examinations, treatment, or surgery 120 Purchase of eye glasses or contact lenses 130 Combined eye care services (110, 120) 200 Dental care 310 Hospital room 320 Hospital services 330 Combined hospital room and services (310,320) 410 Services by medical professionals other than physician 420 Physician services 430 Combined hospital care and physicians' services (310, 320, 410, 420) 510 Lab tests and x-rays 520 Care in convalescent or nursing home 530 Other medical care 540 Combined medical care services (510-530) 610 Hearing aids 620 Prescribed medicines or prescribed drugs 630 Rental of supportive or convalescent equipment 640 Purchase of supportive or convalescent equipment 650 Rental of medical or surgical equipment for general use 660 Purchase of medical or surgical equipment for general use 670 Combined medicine and medical supplies (610-660) S15D col. a	CHAR(3)
MEDR_ARY		CHAR(1)
MEDRGFTC	Was the person who received the care a CU member? CODED 1 Yes 2 No S15D col. b	CHAR(1)
MEDR_FTC		CHAR(1)

MEDRMBMO	In what month was (were) the reimbursement(s) received? S15D col. c	CHAR(2)
MEDR_BMO		CHAR(1)
MEDRMBX	What was the amount of the reimbursement? S15D col. d	NUM(8)
MEDRMBX_		CHAR (1)

jj. ***SECTION 16 EDUCATIONAL EXPENSES (EDA)***

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
EDUC_AY	Item code CODED 100 Recreational lessons or other instructions for members of this CU or other persons 200 Nursery school or child day care centers for members of this CU or other persons 300 Tuition 310 Housing while attending school 320 Food or board while attending school 330 Combined room and board (310, 320) 340 Private school bus (previously captured in the XPB file under PRIVBUSX 350 Purchase of any school books, supplies, or equipment which has not already been reported 360 Other school related expenses not already reported. (Now includes rental of any scool books or equipment not already reported, previous code 340). 370 Combined expenses for books and tuition (300, 340-350) 380 Other combined educational expenses (not previously reported) (100-320, 340-360) S16 col. b	CHAR(3)
EDUC_AY_		CHAR(1)

EDUCGFTC	Who was the educational expense for? CODED 01-98 CU member (MEMBNO from MEMI file) 99 Someone outside CU S16 col. d	CHAR(2)
EDUC_FTC		CHAR(1)
EDSCHL_A	What kind of school was it? CODED 1 College or university 2 Elementary or high school 3 Child day care center 4 Nursery school or preschool 5 Other school S16 col. e	CHAR(1)
EDSC_L_A		CHAR(1)
EDMONTHA	In what month was the payment made? S16 col. f	CHAR(2)
EDMO_THA		CHAR(1)
EDREIMBX	How much of the payment was or will be reimbursed? S16 col. i	NUM(8)
EDRE_MBX		CHAR(1)
JEDUCNET	Net amount paid for educational expenses during reference period BLS derived	NUM(8)
JEDU_NET		CHAR(1)

kk. ***SECTION 17 SUBSCRIPTIONS, MEMBERSHIPS, BOOKS, AND ENTERTAINMENT EXPENSES***

PART A Subscriptions and Memberships (SUB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
S17CODEA	Item code CODED 100 Newspaper delivery 200 Books purchased from a book club 300 Compact discs, tapes, videos, or records purchased from a mail-order club 400 Magazines or periodical subscriptions 500 Theater, concert, opera, or other musical series, season tickets. 600 Season tickets to sporting events 700 Encyclopedias or other sets of reference books 800 Country clubs, health clubs, swimming pools, tennis clubs, social or other recreational organizations 810 Civic, service, or fraternal organizations 820 Credit card memberships 830 Automobile service clubs 900 Reference books not in sets S17A col. b	CHAR(3)
S17C_DEA		CHAR(1)
S17GFTCA	Was subscription or membership expense purchased for own use or as a gift? CODED 1 Own use 2 Gift S17A col. d	CHAR(1)
S17G_TCA		CHAR(1)
QSUB3MCX	Amount paid for subscriptions and memberships during reference period Census derived	NUM(8)
QSUB_MCX		CHAR(1)

II. ***SECTION 17 SUBSCRIPTIONS, MEMBERSHIPS, BOOKS, AND ENTERTAINMENT EXPENSES***

PART B Books and Entertainment Expenses (ENT)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
QPSF3MCX	Amount paid in fees for participating in sports such as tennis, golf, bowling, or swimming during the reference period Census derived	NUM(8)
QPSF_MCX		CHAR(1)
QSSF3MCX	Amount paid for single admissions to spectator sporting events such as football, baseball, hockey, or soccer during the reference period Census derived	NUM(8)
QSSF_MCX		CHAR(1)
QEAD3MCX	Amount paid for single admissions to entertainment activities such as movies, plays, operas, or concerts during the reference period Census derived	NUM(8)
QEAD_MCX		CHAR(1)
QBK3MCMX	Amount paid for books, including paperbacks, not purchased through a book club during the reference period (excluding encyclopedias or school books) Census derived	NUM(8)
QBK3_CMX		CHAR(1)
QMG3MCMX	Amount paid for magazines not included in a subscription during the reference period Census derived	NUM(8)
QMG3_CMX		CHAR(1)
QNEW3MCX	Amount paid for single copies of newspapers (non-subscription) during the reference period Census derived	NUM(8)
QNEW_MCX		CHAR(1)

QREC3MCX	Amount paid for compact discs, audio tapes, needles, or records other than through a mail-order club during the reference period Census derived	NUM(8)
QREC_MCX		CHAR(1)
QFLM3MCX	Amount paid for photographic film during the reference period Census derived	NUM(8)
QFLM_MCX		CHAR(1)
QFLP3MCX	Amount paid for film processing during the reference period Census derived	NUM(8)
QFLP_MCX		CHAR(1)
QPVD3MCX	Amount paid for purchase of video cassettes, video tapes, or video discs other than through a mail-order club during the reference period Census derived	NUM(8)
QPVD_MCX		CHAR(1)
QRVD3MCX	Amount paid for rental of video cassettes, video tapes, or video discs during the reference period Census derived	NUM(8)
QRVD_MCX		CHAR(1)

mm. ***SECTION 18 TRIPS AND VACATIONS (TRV)***

PART B Trips Paid Entirely By CU
PART C Partially Reimbursed Trips

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
TYPETRIP	Trip type CODED 1 Visit relatives or friends 2 Business 3 Sightseeing, sports, etc. 4 Any other 5 Day trips S18A col. c	CHAR(1)
TYPE_RIP		CHAR(1)
WHATPART	In what part of Section 18 of the questionnaire were trip expenses recorded? CODED 1 Part B 2 Part C BLS derived	CHAR(1)
WHAT_ART		CHAR(1)
TRIPIDBC	Trip identification number S18B/C 1a	NUM(2)
TRIP_DBC		CHAR(1)
NUMSAME	Number of identical trips S18B/C 1c	NUM(2)
NUMSAME_		CHAR(1)
EOTRIPMO	Month ended CODED 01-12 January-December 13 Trip not yet ended S18B/C 1d	CHAR(2)
EOTR_PMO		CHAR(1)

NUMNIGHT	How many nights did you (or any members of your CU) spend away from home on this trip? S18B/C 1g	NUM(3)
NUMN_GHT		CHAR(1)
FOODDEAL	Did the package deal include food and beverages? CODED 1 Yes 2 No S18B/C 2b	CHAR(1)
FOOD_EAL		CHAR(1)
LODGDEAL	Did the package deal include lodging? CODED 1 Yes 2 No S18B/C 2b	CHAR(1)
LODG_EAL		CHAR(1)
TRANDEAL	Did the package deal include transportation? CODED 1 Yes 2 No S18B/C 2b	CHAR(1)
TRAN_EAL		CHAR(1)
ELSEDEAL	Did the package deal include anything else? CODED 1 Yes 2 No S18B/C 2b	CHAR(1)
ELSE_EAL		CHAR(1)
CMLOCALY	Starting at the beginning of this trip, please tell me all the kinds of transportation you (or any members of your CU) used from the time you (they) left home to the time you (they) got back home. CODED 01 Local (taxi, etc.) S18B/C 3a	CHAR(2)
CMLO_ALY		CHAR(1)

CMPLANEY	See CMLOCALY for question and source. CODED 02 Commercial airplane	CHAR(2)
CMPL_NEY		CHAR(1)
CMTRAINY	See CMLOCALY for question and source. CODED 03 Train	CHAR(2)
CMTR_INY		CHAR(1)
CMBUSY	See CMLOCALY for question and source. CODED 04 Bus	CHAR(2)
CMBUSY_		CHAR(1)
CMSHIPY	See CMLOCALY for question and source. CODED 05 Ship	CHAR(2)
CMSHIPY_		CHAR(1)
RTCARY	See CMLOCALY for question and source. CODED 06 Rented car or jeep	CHAR(2)
RTCARY_		CHAR(1)
RTTRUCKY	See CMLOCALY for question and source. CODED 07 Rented truck or van	CHAR(2)
RTTR_CKY		CHAR(1)
RTMOPEDY	See CMLOCALY for question and source. CODED 08 Rented motorcycle or moped	CHAR(2)
RTMO_EDY		CHAR(1)
RTPLANEY	See CMLOCALY for question and source. CODED 09 Rented private plane	CHAR(2)
RTPL_NEY		CHAR(1)
RTBOATY	See CMLOCALY for question and source. CODED 10 Rented boat or trailer	CHAR(2)
RTBOATY_		CHAR(1)

RTCAMPY	See CMLOCALY for question and source. CODED 11 Rented camper	CHAR(2)
RTCAMPY_		CHAR(1)
RTOTHERY	See CMLOCALY for question and source. CODED 12 Other rented vehicles	CHAR(2)
RTOT_ERY		CHAR(1)
PVCARY	See CMLOCALY for question and source. CODED 13 Car owned by CU	CHAR(2)
PVCARY_		CHAR(1)
PVLEASEY	See CMLOCALY for question and source. CODED 14 Vehicle leased by CU	CHAR(2)
PVLE_SEY		CHAR(1)
PVOTHERY	See CMLOCALY for question and source. CODED 15 Other vehicle owned by CU	CHAR(2)
PVOT_ERY		CHAR(1)
PVELSEY	See CMLOCALY for question and source. CODED 16 Vehicle owned by someone else	CHAR(2)
PVELSEY_		CHAR(1)
PVTRANSY	See CMLOCALY for question and source. CODED 17 Other transport	CHAR(2)
PVTR_NSY		CHAR(1)
CMLOCALX	Amount spent for local transportation (taxi, etc.) BLS derived	NUM(8)
CMLO_ALX		CHAR(1)
CMPLANEX	Amount spent for commercial airplanes BLS derived	NUM(8)
CMPL_NEX		CHAR(1)

CMTRAINX	Amount spent for trains	NUM(8)
	BLS derived	
CMTR_INX		CHAR(1)
CMBUSX	Amount spent for buses	NUM(8)
	BLS derived	
CMBUSX_		CHAR(1)
CMSHIPX	Amount spent for ships	NUM(8)
	BLS derived	
CMSHIPX_		CHAR(1)
RTCARX	Amount spent for rented cars or jeeps not including gas you (or any members of your CU) bought	NUM(8)
	BLS derived	
RTCARX_		CHAR(1)
RTTRUCKX	Amount spent for rented trucks or vans not including gas you (or any members of your CU) bought	NUM(8)
	BLS derived	
RTTR_CKX		CHAR(1)
RTMOPEDX	Amount spent for rented motorcycles or mopeds not including gas you (or any members of your CU) bought	NUM(8)
	BLS derived	
RTMO_EDX		CHAR(1)
RTPLANEX	Amount spent for rented private planes not including gas you (or any members of your CU) bought	NUM(8)
	BLS derived	
RTPL_NEX		CHAR(1)
RTBOATX	Amount spent for rented boats or trailers not including gas you (or any members of your CU) bought	NUM(8)
	BLS derived	
RTBOATX_		CHAR(1)
RTCAMPX	Amount spent for rented campers not including gas you (or any members of your CU) bought)	NUM(8)
	BLS derived	

RTCAMPX_		CHAR(1)
RTOTHERX	Amount spent for other rented vehicles not including gas you (or any members of your CU) bought BLS derived	NUM(8)
RTOT_ERX		CHAR(1)
GASOILX	How much did you (or any members of your CU) spend for gasoline, oil, diesel fuel, or any other fuels? S18B/C 5b	NUM(8)
GASOILX_		CHAR(1)
TRPTOLLX	How much did you (or any members of your CU) spend for tolls? S18B/C 5d	NUM(6)
TRPT_LLX		CHAR(1)
PARKINGX	How much did you (or any members of your CU) spend for parking fees? S18B/C 5f	NUM(8)
PARK_NGX		CHAR(1)
LDGCOSTX	Cost for hotels, motels, cottages, trailer camps, or other lodging, including taxes and tips BLS derived	NUM(8)
LDGC_STX		CHAR(1)
TRPALCHX	Cost for alcoholic beverages at restaurants, bars, or fast food places, including taxes and tips BLS derived	NUM(6)
TRPA_CHX		CHAR(1)
TRPALCGX	What was the cost for alcoholic beverages at grocery stores, convenience stores, or liquor stores, including taxes? S18B/C 8d	NUM(8)
TRPA_CGX		CHAR(1)
TRPSPRTX	Amount paid to rent sports equipment BLS derived	NUM(6)
TRPS_RTX		CHAR(1)

TRSPORTX	Amount paid in fees to play sports or exercise BLS derived	NUM(6)
TRSP_RTX		CHAR(1)
TRPETRTX	Amount spent for entertainment or admissions BLS derived	NUM(6)
TRPE_RTX		CHAR(1)
TRMISCX	How much were expenses for souvenirs, passports, tourist booklets, and so on? S18B/C 12b	NUM(6)
TRMISCX_		CHAR(1)
FOODOUTS	Did the trip expenses include anything for food and beverages for anyone outside your CU? CODED 1 Yes 2 No S18B/C 13b	CHAR(1)
FOOD_UTS		CHAR(1)
LODGOUTS	Did the trip expenses include anything for lodging for anyone outside your CU? CODED 1 Yes 2 No S18B/C 13b	CHAR(1)
LODG_UTS		CHAR(1)
TRANOUTS	Did the trip expenses include anything for transportation for anyone outside your CU? CODED 1 Yes 2 No S18B/C 13b	CHAR(1)
TRAN_UTS		CHAR(1)

ELSEOUTS	Did the trip expenses include anything for other expenses for anyone outside your CU? CODED 1 Yes 2 No S18B/C 13b	CHAR(1)
ELSE_UTS		CHAR(1)
TRPGFTCX	How much of the total expenses for this trip were for persons outside your CU? S18B/C 13c	NUM(6)
TRPG_TCX		CHAR(1)
QTRFLAX	Cost of meals, snacks, or drinks at restaurants, bars, or fast food places, excluding alcoholic beverages Census derived	NUM(8)
QTRFLAX_		CHAR(1)
QTRGLAX	Cost of food or beverages at grocery stores, convenience stores, or liquor stores, excluding alcoholic beverages Census derived	NUM(8)
QTRGLAX_		CHAR(1)

nn. ***SECTION 18 TRIPS AND VACATIONS***

PART D 100% Reimbursed Trips (TRD)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
NUMYUPD	Number of trips ENTIRELY paid for by NON-CU members S18D 1	NUM(2)
NUMYUPD_		CHAR(1)
TOTYUPDX	What was the total amount of expenses on this (these trips) that will not be covered by a business, employer, or other non-CU member? S18D 2c	NUM(8)
TOTY_PDX		CHAR(1)

TOTYUPDY	Type of expense paid by CU CODED 100 Meals at restaurant minus alcohol 110 Alcohol 120 Gasoline and oil 130 Lodging 140 Highway tolls 150 Plane fare 160 Train fare 170 Bus fare 180 Ship fare 190 Taxi fare 200 Miscellaneous expenses 210 Entertainment expenses 220 Sports expenses BLS derived	CHAR(3)
TOTY_PDY		CHAR(1)

oo. *SECTION 18 TRIPS AND VACATIONS*

PART E Trip Expenses for Non-CU Members (TRE)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
NUMNONCU	Since the 1st of *(month, three months ago)*, how many trips have you (has your CU) paid in full or in part for any non-CU members? S18E 1b	NUM(2)
NUMN_NCU		CHAR(1)
TRNONCUX	What was the total amount that you (your CU) paid for that trip (those trips)? BLS derived	NUM(8)
TRNO_CUX		CHAR(1)

TRNONCUY	Type of expense paid for non-CU members CODED 100 Meals at restaurant minus alcohol 110 Alcohol 120 Gasoline and oil 130 Lodging 140 Highway tolls 150 Plane fare 160 Train fare 170 Bus fare 180 Ship fare 190 Taxi fare 200 Miscellaneous expenses 210 Entertainment expenses 220 Sports expenses BLS derived	CHAR(3)
TRNO_CUY		CHAR(1)

pp. *SECTION 18 TRIPS AND VACATIONS*

PART F Local Overnight Stays (TRF)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
NUMLOC	How many nights did you (or any members of your CU) spend away from home on this stay? S18F 2	NUM(2)
NUMLOC_		CHAR(1)
LOCLODGX	Cost for hotels, motels, cottages, trailer camps, or other lodging, including taxes and tips BLS derived	NUM(8)
LOCL_DGX		CHAR(1)
ALCMEALX	Cost for alcoholic beverages at restaurants, bars, or fast food places, including taxes and tips BLS derived	NUM(8)
ALCM_ALX		CHAR(1)
ALCGROCX	What was the cost for alcoholic beverages at grocery stores, convenience stores, or liquor stores, including taxes?	NUM(8)

	S18F 6d	
ALCG_OCX		CHAR(1)
LOCADMSX	Amount paid for entertainment or admissions BLS derived	NUM(8)
LOCA_MSX		CHAR(1)
FOODLCDL	Did the package deal include anything for food and beverages? CODED 1 Yes 2 No S18F 3b	CHAR(1)
FOOD_CDL		CHAR(1)
LODGLCDL	Did the package deal include anything for lodging? CODED 1 Yes 2 No S18F 3b	CHAR(1)
LODG_CDL		CHAR(1)
ENTRLCDL	Did the package deal include anything for entertainment? CODED 1 Yes 2 No S18F 3b	CHAR(1)
ENTR_CDL		CHAR(1)
ELSELCDL	Did the package deal include anything for anything else? CODED 1 Yes 2 No S18F 3b	CHAR(1)
ELSE_CDL		CHAR(1)
QLCMLAX	Cost of meals, snacks, or drinks at restaurants, bars, or fast food places, excluding alcoholic beverages Census derived	NUM(8)
QLCMLAX_		CHAR(1)
QLCGLAX	Cost of food or beverages at grocery stores, convenience stores, or liquor stores, excluding alcoholic beverages	NUM(8)

Census derived

QLCGLAX_		CHAR(1)

qq. ***SECTION 19 MISCELLANEOUS EXPENSES (MIS)***

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
MISCCODE	Item code CODED 100 Funerals, burials or cremation 110 Purchase or upkeep of cemetery lots or vaults 120 Combined funeral and cemetery expenses (100, 110) 130 Catered affairs 140 Fresh flowers or potted plants 150 Legal fees (excluding real estate closing costs) 160 Accounting fees 170 Gardening or lawn care services 180 Housekeeping services 190 Babysitting or other child care in your own home 200 Care for invalids, convalescents, handicapped or elderly persons in the home 210 Other home services and small repair jobs around the house, not previously reported 220 Babysitting or other child care in someone else's home 230 Moving, storage and freight express 240 Purchases of pets, pet supplies and medicine for pets 250 Pet services 260 Veterinarian expenses for pets 270 Money given to non-CU members, charities, and other organizations 280 Computer information services 290 TV computer games and computer game software 300 Hand held computer games and computer board games 310 Alimony 320 Child support 330 Toys and games 340 Hobbies 350 Adult day care centers 360 Professional photography fees 370 Home security system service fees S19 col. c	CHAR(3)
MISC_ODE		CHAR(1)

MISCMO	In what month did you have this expense? CODED 01-12 January-December 13 Continuous expense S19 col. d	CHAR(2)
MISCMO_		CHAR(1)
MISCGFTC	Was this expense for your CU or someone outside of your CU? CODED 1 For CU 2 For someone outside your CU S19 col. e	CHAR(1)
MISC_FTC		CHAR(1)
MISCEXPX	What was the total amount of the expense? S19 col. f	NUM(6)
MISC_XPX		CHAR(1)

rr. ***<u>SECTION 20 EXPENSE PATTERNS FOR FOOD, BEVERAGES, AND OTHER SELECTED ITEMS</u>***

<u>PART A Food and Beverages (XPA)</u>

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
JMKPURQV	Quarterly expenditure at the grocery store or supermarket BLS derived	NUM(8)
JMKP_RQV		CHAR(1)
JNONFDQV	Quarterly expenditure for nonfood items, such as paper products, detergents, home cleaning supplies, pet foods, and alcoholic beverages at the grocery store or supermarket BLS derived	NUM(8)
JNON_DQV		CHAR(1)
JOTHSTQV	Quarterly expenditure for food or nonalcoholic beverages from places other than grocery stores, such as home delivery, specialty stores, bakeries, convenience stores, dairy stores, vegetable stands, or farmers' markets BLS derived	NUM(8)

JOTH_TQV		CHAR(1)
JBRWINQV	Quarterly expenditure for beer and wine to be served at home	NUM(8)
	BLS derived	
JBRW_NQV		CHAR(1)
JOTHALQV	Quarterly expenditure for other alcoholic beverages to be served at home	NUM(8)
	BLS derived	
JOTH_LQV		CHAR(1)
JDINEOQV	Quarterly expenditure for dinners, other meals, or snacks in restaurants, cafeterias, cafes, drive-ins, or other such places	NUM(8)
	BLS derived	
JDIN_OQV		CHAR(1)
JALOUTQV	Quarterly expenditure for any alcoholic beverages in restaurants, taverns, or cocktail lounges	NUM(8)
	BLS derived	
JALO_TQV		CHAR(1)
JBRDQV	Quarterly expenditure for board not received in a boarding house	NUM(8)
	BLS derived	
JBRDQV_		CHAR(1)
JMLPAYQV	Quarterly value of any free meals at work as part of your pay	NUM(8)
	BLS derived	
JMLP_YQV		CHAR(1)
JMEALPYA	Annual value of any free meals at work as part of your pay (JMLPAYQV * 4)	NUM(8)
	BLS derived	
JMEA_PYA		CHAR(1)
JSCHMLQV	Quarterly expenditure for any meals at school or in a preschool program for preschool or school age children (summed across all members)	NUM(8)
	BLS derived	
JSCH_LQV		CHAR(1)

JMKGRCQV	Quarterly expenditure for food and nonalcoholic beverages at the grocery store or supermarket (JMKPURQV - JNONFDQV) BLS derived	NUM(8)
JMKG_CQV		CHAR(1)
FREEFOOD	Have you (or any members of your CU) received any free food, beverages, or meals through public or private welfare agencies, including religious organizations? (Exclude free meals in school or preschool programs.) CODED 1 Yes 2 No S20A 8	CHAR(1)
FREE_OOD		CHAR(1)

ss. ***SECTION 20 EXPENSE PATTERNS FOR FOOD, BEVERAGES, AND OTHER SELECTED ITEMS***

PART B Selected Services and Goods (XPB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
PAYPHONX	Since the 1st of *(month, 3 months ago)*, what was the total expense for public pay phone service? S20B 1b	NUM(5)
PAYP_ONX		CHAR(1)
OTHLNDRX	What was the cost for coin-operated laundry or dry cleaning machines for items other than clothes? S20B 2d	NUM(5)
OTHL_DRX		CHAR(1)
OTHDCLNX	What was the cost for items other than clothes sent to the dry cleaners or laundry? S20B 3d	NUM(4)
OTHD_LNX		CHAR(1)

SAFDPSTX	What was the total rental expense for a safe deposit box in a bank or a similar financial institution since the 1st of *(month, 3 months ago)*? S20B 6b	NUM(3)
SAFD_STX		CHAR(1)
TXLIMX	Since the 1st of *(month, 3 months ago)*, what was the total expense for taxis or limousine service for nonbusiness purposes, except those used while on a trip? S20B 8b	NUM(4)
TXLIMX_		CHAR(1)
JLDRYNET	Cost for coin-operated laundry or dry cleaning machines for clothing items BLS derived	NUM(8)
JLDR_NET		CHAR(1)
JDRYCNET	Cost for services at the dry cleaners or laundry for clothing items BLS derived	NUM(8)
JDRY_NET		CHAR(1)
JCIGARQV	Quarterly expenditure for cigarettes BLS derived	NUM(8)
JCIG_RQV		CHAR(1)
JOTBACQV	Quarterly expenditure for cigars, pipe tobacco, or other tobaccos, including chewing tobacco BLS derived	NUM(8)
JOTB_CQV		CHAR(1)
JBNKSCQV	Quarterly charges for checking accounts or other banking services BLS derived	NUM(8)
JBNK_CQV		CHAR(1)
JTRANWQV	Usual quarterly cost of mass transit to go to work BLS derived	NUM(8)
JTRA_WQV		CHAR(1)
JTRANSQV	Usual quarterly cost of mass transit to go to school	NUM(8)

BLS derived

JTRA_SQV		CHAR(1)
JTRANOQV	Usual quarterly cost of mass transit to go to other places BLS derived	NUM(8)
JTRA_OQV		CHAR(1)
JHAIRQV	Quarterly expenditure for haircutting, styling, and all other related services for all members of your CU BLS derived	NUM(8)
JHIARQV		CHAR(1)

tt. *SECTION 21 CREDIT LIABILITY*

PART A.1 Credit Balances - Second Quarter Only (FN2)
(Data collected in second interview and carried forward)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CREDITR1	Credit source item code CODED 100 Revolving credit accounts, including store, gasoline, and general purpose credit cards, such as Sears, Amoco, Visa, MasterCard, etc. 200 Stores for installment credit accounts 300 Banks and savings and loan companies 400 Credit unions 500 Finance companies 600 Insurance companies 700 Doctors, dentists, hospitals, or other medical practitioners for expenses not covered by insurance 800 Other credit sources S21A.1 col. b	CHAR(3)
CRED_TR1		CHAR(1)
CREDITX1	On the 1st of *(the current month)*, how much was owed to *(credit source)*? (Do not include mortgage, home equity loans, vehicle loans, or business related loans) S21A.1 col. d	NUM(8)
CRED_TX1		CHAR(1)

uu. *<u>SECTION 21 CREDIT LIABILITY</u>*

<u>PART A Credit Balances - Annual Supplement - Fifth Quarter (FNA)</u>

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT
CREDITR5	Credit source item code CODED 100 Revolving credit accounts, including store, gasoline, and general purpose credit cards, such as Sears, Amoco, Visa, MasterCard, etc. 200 Stores for installment credit accounts 300 Banks and savings and loan companies 400 Credit unions 500 Finance companies 600 Insurance companies 700 Doctors, dentists, hospitals, or other medical practitioners for expenses not covered by insurance 800 Other credit sources S21A.2S col. b	CHAR(3)
CRED_TR5		CHAR(1)
CREDITX5	On the 1st of *(the current month)*, how much was owed to *(credit source)*? (Do not include mortgage, home equity loans, vehicle loans, or business related loans)? S21A.2S col. d	NUM(8)
CRED_TX5		CHAR(1)
OWEMONEY	What was the total amount owed on the 1st of *(current month, one year ago)*? S21A.2S col. e	NUM(8)
OWEM_NEY		CHAR(1)

vv. *SECTION 21 CREDIT LIABILITY*

PART B Finance Charges - Annual Supplement - Fifth Quarter (FNB)

The variables QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG that are common to all sections of EXPN are not displayed here. Descriptions of these variables can be found in Section 1 (page 89).

VARIABLE	ITEM DESCRIPTION	FORMAT

Finance charges, interest charges, and late fees reported in this section do not apply to mortgages, home equity loans, or vehicle loans.

CRDCARDX	During the past 12 months, how much was paid for finance, interest and late charges to revolving credit accounts including store, gasoline, and general purpose credit cards, such as Sears, Amoco, Visa, MasterCard, etc.? (Exclude yearly fees) S21B.S a	NUM(6)
CRDC_RDX		CHAR(1)
INSTALLX	During the past 12 months, how much was paid for finance, interest and late charges to stores for installment credit accounts? S21B.S b	NUM(6)
INST_LLX		CHAR(1)
BANKX	During the past 12 months, how much was paid for finance, interest and late charges to banks and savings and loans? S21B.S c	NUM(6)
BANKX_		CHAR(1)
CDUNIONX	During the past 12 months, how much was paid for finance, interest and late charges to credit unions? S21B.S d	NUM(6)
CDUN_ONX		CHAR(1)
FININT	During the past 12 months, how much was paid for finance, interest and late charges to finance companies? S21B.S e	NUM(6)
FININT_		CHAR(1)
INSUREX	During the past 12 months, how much was paid for finance, interest and late charges to insurance companies? S21B.S f	NUM(6)

INSUREX_		CHAR(1)
MEDICALX	During the past 12 months, how much was paid for finance, interest and late charges to doctors, dentists, hospitals, or other medical practitioners for expenses not covered by insurance? S21B.S g	NUM(6)
MEDI_ALX		CHAR(1)
PDOTHERX	During the past 12 months, how much was paid for finance, interest and late charges to other credit sources? S21B.S h	NUM(6)
PDOT_ERX		CHAR(1)

6. ***PROCESSING FILES***

a. ***AGGregation file***

X:\INTRVW00\AGGI00.TXT

The AGG file shows which UCC/Gift code combinations go into each category listed in the sample table produced by the microdata file verification and estimation program (see Section VII.A. SAMPLE PROGRAM). It designates each category with a unique 6-digit line number. It is formatted as follows:

DESCRIPTION	FORMAT
UCC (Universal Classification Code)	CHAR(6)
Gift CODED 1 Yes 2 No	CHAR(1)
Line Number: represents a line in the sample table	CHAR(6)

b. *LABel file*

X:\INTRVW00\LABELI00.TXT

The LAB file assigns an identification label to each AGG file line number. It is formatted as follows:

DESCRIPTION	FORMAT
Line Number: represents a line in the sample table	CHAR(6)
Label: descriptive label in the sample table (with leading blanks)	CHAR(73)

c. *UCC file*

X:\INTRVW00\UCCI00.TXT

The UCC file contains UCCs and their abbreviated titles, identifying the expenditure, income, or demographic item represented by each UCC. It is formatted as follows:

DESCRIPTION	FORMAT
UCC	CHAR(6)
UCC title	CHAR(50)

(See Section XIII.A. EXPENDITURE UCCS ON MTBI FILE and XIII.B. INCOME AND RELATED UCCS ON ITBI FILE for a list of UCCs and their full titles by file—expenditure (MTBI) or income (ITBI).)

d. *VEHicle file*

X:\INTRVW00\VEHI00.TXT

The VEH file contains vehicle make and model codes created by the Bureau of the Census. These codes can be found under the variables MODEL in EXPN Section 10, Part B (Rented and Leased Vehicles – Detailed Questions for Leased Vehicles) and MKMDLY in EXPN Section 11, Part B (Owned Vehicles - Detailed Questions). The file is formatted as follows:

DESCRIPTION	FORMAT
Make/model code	CHAR(4)
Make and model	CHAR(69)

e. *SAMPLe program file*

X:\PROGRAMS\SAMPLI00.TXT (SAS)

The SAMPLI00 file contains the computer program used in Section VII.A. SAMPLE PROGRAM of the documentation. This file has been created to provide programming assistance.

IV. TOPCODING AND OTHER NONDISCLOSURE REQUIREMENTS

Sensitive CU data are changed so that users will not be able to identify CUs who participated in the survey. Topcoding refers to the replacement of data in cases where the value of the original data exceeds prescribed critical values. Critical values for each variable containing sensitive data are calculated in accordance with Census Disclosure Review Board guidelines. Each observation that falls outside the critical value is replaced with a topcoded value that represents the mean of the subset of all outlying observations. All five quarters of data in the CE microdata release are used when calculating the critical value and topcode amounts. If an observation is topcoded, the flag variable assigned to that observation is set to 'T'.

Since the critical value and mean of the set of values outside the critical value may differ with each annual (five-quarter) release, the topcode values may change annually and be applied at a different starting point. By topcoding values in this manner, the first moment will be preserved for each five-quarter data release when using the total sample. This, however, will not be the case when means are estimated by characteristic, because topcode values are not calculated by characteristic.

A. CU CHARACTERISTICS AND INCOME FILE (FMLI)

The following FMLI file variables are subject to topcoding.

AGE_REF	Age of reference person
AGE2	Age of spouse
ALIOTHX	Amount received from other regular contributions including alimony
BSINVSTX	Amount of investment in own farm or business
CHDLMPX	Amount received from lump sum child support payment
CHDOTHX	Amount received from other child support payments
CKBKACTX	Amount in checking, brokerage and other similar accounts
COMPBNDX	Difference in amount held in U.S. Savings bonds
COMPCKGX	Difference in amount held in checking accounts
COMPOWDX	Difference in amount of money owed to CU
COMPSAVX	Difference in amount held in savings accounts
COMPSECX	Difference in estimated market value of all stocks, bonds, or mutual funds including broker fees
FEDRFNDX	Amount of refund received from Federal income tax
FEDTAXX	Amount of Federal income tax paid in addition to that withheld
FININCX	Amount received from regular income from dividends, royalties, estates or trusts
INCLOSSA	Amount of net income or loss received from roomers or boarders
INCLOSSB	Amount of net income or loss received from other rental units
INSRFNDX	Amount of refund received from insurance policies
INTEARNX	Amount received from interest on savings accounts or bonds
LUMPSUMX	Amount received from lump sum receipts
MISCTAXX	Amount of other taxes paid but not reported elsewhere
MONYOWDX	Amount of money owed to CU by persons outside CU
OCCEXPNX	Amount of occupational expenses

OTHRFNDX	Amount of refund received from other sources
OTHRINCX	Amount received from other money income
PENSIONX	Amount received from pensions or annuities
PTAXRFDX	Amount of refund received from property taxes
PURSSECX	Purchase price of stocks, bonds, or mutual funds
RENTEQVX	Rental equivalence of owned home
SALEINCX	Amount received from sale of household furnishings, equipment
SAVACCTX	Amount in savings accounts
SECESTX	Estimated market value of all stocks, bonds, mutual funds
SELLSECX	Net amount received from sales of stocks, bonds, mutual funds
SETLINSX	Amount received from settlement on surrender of any insurance policies
SLOCTAXX	Amount of state and local income tax paid in addition to that withheld
SLRFUNDX	Amount of refund received from state and local income taxes
SSOVERPX	Amount of refund received from overpayment on Social Security
TAXPROPX	Amount of personal property taxes paid
USBNDX	Amount in U.S. Savings bonds
WDBSASTX	Amount of assets withdrawn from own farm or business
WDBSGDSX	Amount of goods or services withdrawn from own farm or business

The critical values and topcode values associated with the above variables follow.

Variable	Critical value +	Critical value -	Topcode value +	Topcode value -	Condition
AGE_REF	90	-	94	-	-
AGE2	90	-	93	-	-
ALIOTHX	45,000	-	66,340	-	-
BSINVSTX	85,000	-	252,667	-	-
CHDLMPX	8,600	-	13,183	-	-
CHDOTHX	14,400	-	21,765	-	-
CKBKACTX	25,000	-	210,061	-	-
COMPBNDX	31,000	-20,000	70,000	-73,189	-
COMPCKGX	20,000	-28,000	120,133	-93,536	-
COMPOWDX	35,000	-30,000	178,375	-33750	-
COMPSAVX	30,000	-30,000	162,933	-84,556	-
COMPSECX	400,000	-216,000	931,026	-403,341	-
FEDRFNDX	5,500	-	9,419	-	-
FEDTAXX	24,015	-	50,469	-	-
FININCX	40,000	-	116,781	-	-
INCLOSSA	34,000	-6,000	45,333	-33,800	-
INCLOSSB	56,400	-19,000	176,608	-32,959	-
INSRFNDX	43,000	-	223,286	-	-
INTEARNX	35,000	-	58,029	-	-
LUMPSUMX	160,000	-	518,454	-	-
MISCTAXX	4,289	-	12,650	-	-
MONYOWDX	77,000	-	321,827	-	-
OCCEXPNX	2,000	-	5,340	-	-
OTHRFNDX	1,680	-	14,382	-	-
OTHRINCX	25,000	-	53,094	-	-
PENSIONX	47,772	-	70,937	-	-
PTAXRFDX	1,658	-	2,069	-	-
PURSSECX	250,000	-	5,392,857	-	-
RENTEQVX	2,500	-	3,899	-	OWNYI = ‘100’
SALEINCX	9,000	-	68,867	-	-
SAVACCTX	120,000	-	301,898	-	-

Variable	Critical value +	Critical value -	Topcode value +	Topcode value -	Condition
SECESTX	900,000	-	2,036,119	-	-
SELLSECX	300,000	-	7,565,222	-	-
SETLINSX	150,000	-	425,000	-	-
SLOCTAXX	4,877	-	11,592	-	-
SLRFUNDX	1,600	-	2,927	-	-
SSOVERPX	1,000	-	2,802	-	-
TAXPROPX	4,300	-	7,067	-	-
USBNDX	40,000	-	99,310	-	-
WDBSASTX	42,000	-	56,667	-	-
WDBSGDSX	36,000	-	43,000	-	-

Some income variables that are subject to topcoding are constructed by summing up the values of "lower level" MEMI or FMLI file component variables. These variables are not topcoded by the conventional method of replacement with a topcode value. Instead the variables' components are summed normally and the variables are flagged as topcoded if one of their component variables is topcoded. Following are the income variables that are calculated using values of their component variables. (See the descriptions of each variable in Sections III.F.1.e. INCOME - III.F.1.h. RETIREMENT AND PENSION DEDUCTIONS for a list of component variables.)

EARNINCX	Amount of CU income from earnings before taxes
FAMTFEDX	Amount of Federal income tax deducted from last pay, annualized for all CU members
FFRMINCX	Amount of income or loss received from own farm
FGOVRETX	Amount of government retirement deducted from last pay, annualized for all CU members
FINCATAX	Amount of CU income after taxes
FINCBTAX	Amount of CU income before taxes
FINDRETX	Amount of money placed in individual retirement plan
FJSSDEDX	Estimated amount of annual Social Security contribution
FNONFRMX	Amount of income or loss received from nonfarm business
FPRIPENX	Amount of private pension fund deducted from last pay, annualized for all CU members
FRRDEDX	Amount of Railroad Retirement deducted from last pay, annualized for all CU members
FSALARYX	Amount received from wage and salary income before deductions
FSLTAXX	Amount of state and local income taxes deducted from last pay, annualized for all CU members
NO_EARNX	Amount of income from sources other than earnings before taxes
NONINCMX	Amount of other money receipts excluded from family income
TOTTXPDX	Amount of personal taxes paid

Here are some examples of situations that may occur. The value for the variable FFRMINCX (Family income or loss from farm) is computed as the sum of the values reported for the variable FARMINCX (member income or loss from farm) from the MEMI file. FARMINCX is subject to topcoding beyond the critical value of $150,000 (-$9,999). The topcode value for FARMINCX is $212,500 (-$32,795). (See Section IV.B. MEMBER CHARACTERISTICS AND INCOME FILE (MEMI)).

		FARMINCX		**FFRMINCX**	
CU		*REPORTED*	*AFTER TOPCODING*	*VALUE*	*FLAGGED AS TOPCODED?*
CU 1:	Member 1	$145,000	$145,000		
	Member 2	145,000	145,000	290,000	No
CU 2:	Member 1	270,000	212,500		
	Member 2	20,000	20,000	232,500	Yes
CU 3	Member 1	170,000	212,500		
	Member 2	50,000	50,000	262,500	Yes
CU 4	Member 1	100,000	100,000		
	Member 2	-11,000	-32,795	67,205	Yes

While CUs 1 and 2 each originally report $290,000 in FARMINCX, topcoding is done only on the value reported by Member 1 of CU2. Thus, the value for FFRMINCX for CU2 is lower than for CU1 and is flagged as topcoded while CU1 is not. By using the mean of the subset of observations that are above (below) the critical value as the topcode amount, values on the public use data can be either below or above the actual reported value. Note that while CU2 has a topcoded value slightly below the reported value, CU3's topcoded FFRMINCX value ($262,500) is higher than the amount that it reported ($220,000). The case of CU4 demonstrates that the value for FFRMINCX can be much lower than other topcoding situations, yet still be flagged as topcoded. This is due to the presence of a negative value (loss) for FARMINCX reported by Member 2. The reverse can also occur.

The value of the variable, STATE, which identifies the state of residence, must be suppressed for some observations to meet the Census Disclosure Review Board's criterion that the smallest geographically identifiable area have a population of at least 100,000. STATE data were evaluated vis-à-vis the POPSIZE, REGION, and BLS_URBN variables, which show the population size of the geographic area that is sampled, the four Census regions, and urban/rural status respectively. Some STATE codes were suppressed because, in combination with these variables, they could be used to identify areas of 100,000 or less. On approximately 17 percent of the records on the FMLI files the STATE variable is blank. The STATE flag (STATE_) is given a value of 'T' if STATE is suppressed.

A small proportion of STATE codes are replaced with codes of states other than the state where the CU resides. By re-coding in this manner, suppression of POPSIZE and REGION may be avoided. (In past releases selected observations of POPSIZE and REGION required suppression.) If a CU's state of residence is re-coded with another state's code, the flag variable (STATE_) of the re-coded observation is assigned an 'R'. The flag variable is also assigned an 'R' for either all or a portion of other observations from that state. In total, approximately 4% of observations of STATE_ are assigned an 'R'.

01	Alabama	*28	Mississippi
02	Alaska	**29	Missouri
RR04	Arizona	31	Nebraska
*05	Arkansas	R32	Nevada
**06	California	R33	New Hampshire
08	Colorado	34	New Jersey
09	Connecticut	*35	New Mexico
10	Delaware	RR**36	New York
R11	District of Columbia	**37	North Carolina
**12	Florida	RR39	Ohio

**13	Georgia	**40	Oklahoma
15	Hawaii	**41	Oregon
16	Idaho	42	Pennsylvania
**17	Illinois	45	South Carolina
RR**18	Indiana	*46	South Dakota
*19	Iowa	**47	Tennessee
**20	Kansas	48	Texas
21	Kentucky	49	Utah
22	Louisiana	50	Vermont
R*23	Maine	**51	Virginia
24	Maryland	**53	Washington
25	Massachusetts	R54	West Virginia
**26	Michigan	55	Wisconsin
**27	Minnesota		

* indicates that the STATE code has been suppressed for all sampled CUs in that state (STATE_ = 'T' for all observations).

** indicates that the STATE code has been suppressed for some sampled CUs in that state (STATE_ = 'T' for some observations).

R indicates that either all observations from this state have been re-coded or all strata[1] of observations from this state include "re-codes" from other states.

RR indicates that either some observations from this state have been re-coded or at least one stratum[1] of observations from this state includes "re-codes" from other states.

R* indicates that the STATE code has been suppressed for some sampled CUs in that state and, either STATE has been re-coded or the state includes "re-codes" from other states in all strata[1].

RR** indicates that the STATE code has been suppressed for some sampled CUs in that state and, either STATE has been re-coded or the state includes "re-codes" from other states in at least one stratum[1].

[1] A STATE stratum is a unique POPSIZE and BLS_URBN combination.

States not listed are not in the CE sample.

B. MEMBER CHARACTERISTICS AND INCOME FILE (MEMI)

The following MEMI file variables are subject to topcoding.

AGE	Age of member
AMTFED	Amount of Federal income tax deducted from last pay
ANFEDTX	Annual amount of Federal income tax deducted from pay
ANGOVRTX	Annual amount of government retirement deducted from pay
ANPRVPNX	Annual amount of private pension fund deducted from pay
ANRRDEDX	Annual amount of Railroad Retirement deducted from pay
ANSLTX	Annual amount of state and local income taxes deducted from pay
FARMINCX	Amount of income or loss received from own farm
GOVRETX	Amount of government retirement deducted from last pay
GROSPAYX	Amount of last gross pay
INDRETX	Amount of money placed in individual retirement plan
JSSDEDX	Estimated annual Social Security contribution
NONFARMX	Amount of income or loss received from own nonfarm business
PRIVPENX	Amount of private pension fund deducted from last pay
RRRDEDX	Amount of Railroad Retirement deducted from last pay
SALARYX	Amount received from wage and salary income before deductions
SLFEMPSS	Amount of self-employment Social Security contribution
SLTAXX	Amount of state and local income taxes deducted last pay

The critical values and topcode values associated with the above variables follow.

Variable	Critical value +	Critical value -	Topcode value +	Topcode value -
AGE	90	-	94	-
AMTFED	978	-	2,502	-
ANFEDTX	20,438	-	36,883	-
ANGOVRTX	7,176	-	8,931	-
ANPRVPNX	11,983	-	16,000	-
ANRRDEDX	7,500	-	8,200	-
ANSLTX	6,094	-	11,035	-
FARMINCX	150,000	-9,999	212,500	-32,795
GOVRETX	400	-	1,044	-
GROSPAYX	5,401	-	22,558	-
INDRETX	14,000	-	29,928	-
JSSDEDX	6,435	-	9,005	-
NONFARMX	150,000	-9,999	333,886	-47,811
PRIVPENX	500	-	2,079	-
RRRDEDX	405	-	2,200	-
SALARYX	150,000	-	260,209	-
SLFEMPSS	13,219	-	17,324	-
SLTAXX	300	-	1,001	-

Special suppression for MEMI file variables

The five MEMI file variables--AMTFED, GOVRETX, PRIVPENX, RRRDEDX, and SLTAXX--describe deductions from the most recent pay. These variables are used in conjunction with GROSPAYX (amount of last gross pay) and SALARYX (annual wage and salary income) to derive ANFEDTX, ANGOVRTX, ANPRVPNX, ANRRDEDX, and ANSLTX, which represent the estimated annual deductions for each of these income deduction categories. For example, the estimated annual Federal income tax deduction from pay is calculated as

(1) ANFEDTX = (SALARYX (AMTFED/GROSPAYX)).

Note that SALARYX can be estimated by using the above terms and rearranging such that

(2) SALARYX = (ANFEDTX (GROSPAYX/AMTFED)).

In the above example, a problem with disclosure may arise when neither ANFEDTX, GROSPAYX, nor AMTFED are topcoded, *but SALARYX is*. In this situation SALARYX can be recalculated to obtain its original value by inserting the non-topcoded values into equation (2) and solving. In order to prevent this, the non-topcoded terms in equation (2) will be suppressed (blanked out) and their associated flags will be assigned a value of ‘T’. The following chart describes in detail the specific rules that are applied to prevent the potential disclosure outlined above.

If SALARYX is greater than the critical value but ANFEDTX, GROSPAYX, and AMTFED are not, then the values for ANFEDTX, GROSPAYX, and AMTFED are suppressed and their flag variables are assigned a value of ‘T’.

If SALARYX is greater than the critical value but ANGOVRTX, GROSPAYX, and GOVRETX are not, then the values for ANGOVRTX, GROSPAYX, and GOVRETX are suppressed and their flag variables are assigned a value of ‘T’.

If SALARYX is greater than the critical value but ANPRVPNX, GROSPAYX, and PRIVPENX are not, then the values for ANPRVPNX, GROSPAYX, and PRIVPENX are suppressed and their flag variables are assigned a value of 'T'.

If SALARYX is greater than the critical value but ANRRDEDX, GROSPAYX, and RRRDEDX are not, then the values for ANRRDEDX, GROSPAYX, and RRRDEDX are suppressed and their flag variables are assigned a value of 'T'.

If SALARYX is greater than the critical value but ANSLTX, GROSPAYX, and SLTAXX are not, then the values for ANSLTX, GROSPAYX, and SLTAXX are suppressed and their flag variables are assigned a value of 'T'.

C. MONTHLY EXPENDITURE FILE (MTBI)

The MTBI variable COST is subject to topcoding for the following UCCs.

UCC	Description
210110	Rent of dwelling
210210	Lodging away from home
210310	Housing for someone at school
210901	Ground rent, owned home
210902	Ground rent, owned vacation home
550320	Medical equipment for general use
550330	Supportive or convalescent medical equipment
560110	Physicians' services
560210	Dental services
560310	Eye care services
560330	Lab tests and x-rays
560400	Services by professionals other than physicians
570110	Hospital room
570210	Hospital service other than room
570220	Nursing or convalescent home care
570230	Other medical care service
570240	Medical care in retirement community
570901	Rental of medical equipment
570903	Rental of supportive, convalescent equipment
600132	Purchase of boat with motor
600138	Trade-in allowance for boats with motors
790710	Purchase other property excluding commons
790810	Sale price of other property
790910	Special or lump mortgage payment, other property
790920	Reduction of mortgage principal, other property
790930	Original mortgage amount, other property
790940	Reduction of mortgage principal, home equity loan, other property
790950	Original loan amount, home equity loan, other property
800721	Market value of owned home
810101	Purchase excluding commons, owned home
810102	Purchase price excluding commons, owned vacation home
820101	Selling price, owned home
820102	Selling price, owned vacation home
830101	Special or lump mortgage payment, owned home
830102	Special or lump mortgage payment, owned vacation home
830201	Reduction mortgage principal, owned home
830202	Reduction mortgage principal, owned vacation home

UCC	Description
830203	Reduction mortgage principal, home equity loan, owned home
830204	Reduction mortgage principal, home equity loan, owned vacation home
830301	Original mortgage amount, owned home
830302	Original mortgage amount, owned vacation home
830303	Original loan amount, home equity loan, owned home
830304	Original loan amount, home equity loan, owned vacation home
860600	Amount boat with motor sold or reimbursed
870701	Boat with motor, purchase not financed
880120	Reduction of principal, line of credit, owned home
880220	Reduction of principal, line of credit, other property
880320	Reduction of principal, line of credit, owned vacation home
910050	Rental equivalence of owned home
910100	Rental equivalence of vacation home

If the value of COST is greater (less) than the designated critical values for the above UCCs, COST is set to the topcode value and the associated flag variable, COST_, is set to 'T'. The critical values and topcode values (rounded to the nearest dollar) of the variable COST that are associated with the above UCCs follow.

UCC	Critical value +	Critical value -	Topcode value +	Topcode value -	Mapped from	Condition
210110	1,230	-	1,738	-	QRT3MCMX	NA
210210	1,300	-	2,279	-	LDGCOSTX	NA
210210	547	-	877	-	TOTYUPDX	TOTYUPDY = '130'
210210	461	-	821	-	TRNONCUX	TRNONCUY = '130'
210310	4,000	-	6,687	-	JEDUCNET	EDUC_AY = '310'
210901	480	-	864	-	QLR3MCMX	OWNYI = '100' OR OWNYI = '200'
210902	315	-	881	-	QLR3MCMX	OWNYI = '300'
550320	200	-	481	-	MEDPMTX	MEDPCARY = '660'
550320	-	-227		-436	MEDRMBX	MEDRCARY = '660'
550330	290	-	658	-	MEDPMTX	MEDPCARY = '640'
550330		-600		-687	MEDRMBX	MEDRCARY = '640'
560110	306	-	785	-	MEDPMTX	MEDPCARY = '420'
560110	-	-932	-	-2,251	MEDRMBX	MEDRCARY = '420'
560210	1,050	-	2,030	-	MEDPMTX	MEDPCARY = '200'
560210	-	-900	-	-1,055	MEDRMBX	MEDRCARY = '200'
560310	327	-	1,699	-	MEDPMTX	MEDPCARY = '110'
560310	-	-237	-	-369	MEDRMBX	MEDRCARY = '110'
560330	434	-	1,071	-	MEDPMTX	MEDPCARY = '510'
560330	-	-800	-	-1,053	MEDRMBX	MEDRCARY = '510'
560400	425	-	1,485	-	MEDPMTX	MEDPCARY = '410'
560400	-	-612	-	-1,018	MEDRMBX	MEDRCARY = '410'
570110	2,500	-	5,636	-	MEDPMTX	MEDPCARY = '310'
570110	-	-3,686	-	-8,647	MEDRMBX	MEDRCARY = '310'
570210	1,700	-	2,937	-	MEDPMTX	MEDPCARY = '320'
570210	-	-3,500	-	-10,454	MEDRMBX	MEDRCARY = '320'
570220	5,278	-	5,695	-	MEDPMTX	MEDPCARY = '520'
570230	1,200	-	2,969	-	MEDPMTX	MEDPCARY = '530'
570230	-	-229	-	-495	MEDRMBX	MEDRCARY = '530'
570901	256	-	433	-	MEDPMTX	MEDPCARY = '650'
570903	238	-	443	-	MEDPMTX	MEDPCARY = '630'
790710	300,000	-	1,349,000	-	OWN_PURX	OWNYB = '400' OR OWNYB = '500'
790810	-	-93,000		-259,633	DISPX	OWNYD = '400' OR OWNYD = '500'
790910	-	-10,000	-	-37,500	QLMPSUMX	OWNYI = '400' OR OWNYI = '500'
790920	-	-594	-	-2,673	QPRINM1X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '1')

UCC	Critical value +	Critical value -	Topcode value +	Topcode value -	Mapped from	Condition
790920	-	-598	-	-2,690	QPRINM2X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '1')
790920	-	-602	-	-3,477	QPRINM3X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '1')
790930	160,000	-	203,333	-	ORGMRTX	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '1')
790940	-	-204	-	-209	QPRINM1X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '2')
790940	-	-205	-	-210	QPRINM2X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '2')
790940	-	-206	-	-212	QPRINM3X	(OWNYF = '400' OR OWNYF = '500') AND (LOANTYPE = '2')
800721	41,667	-	78,424	-	PROPVALX	OWNYB = '100' OR OWNYB = '200'
810101	345,000	-	506,273	-	OWN_PURX	OWNYB = '100' OR OWNYB = '200'
810102	300,000	-	507,500	-	OWN_PURX	OWNYB = '300'
820101	-	-230,000	-	-294,833	DISPX	OWNYD = '100' OR OWNYD = '200'
820102	-	-185,000	-	-1,364,500	DISPX	OWNYD ='300'
830101	-	-2,100	-	-13,473	QLMPSUMX	OWNYI = '100' OR OWNYI = '200'
830102	-	-1,140	-	-3,550	QLMPSUMX	OWNYI = '300'
830201	-	745	-	-1,310	QPRINM1X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '1')
830201	-	748	-	-1,318	QPRINM2X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '1')
830201	-	751	-	-1,329	QPRINM3X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '1')
830202	-	-602	-	-1,029	QPRINM1X	(OWNYF = '300') AND (LOANTYPE = '1')
830202	-	-605	-	-1,016	QPRINM2X	(OWNYF = '300') AND (LOANTYPE = '1')
830202	-	-609	-	-1,023	QPRINM3X	(OWNYF = '300') AND (LOANTYPE = '1')
830203	-	-502	-	-762	QPRINM1X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '2')
830203	-	-506	-	-773	QPRINM2X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '2')
830203	-	-503	-	-774	QPRINM3X	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '2')
830204	-	-354	-	-718	QPRINM1X	(OWNYF = '300' AND LOANTYPE = '2')
830204	-	-356	-	-716	QPRINM2X	(OWNYF = '300' AND LOANTYPE = '2')
830204	-	-358	-	-721	QPRINM3X	(OWNYF = '300' AND LOANTYPE = '2')
830301	285,000	-	389,836	-	ORGMRTX	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '1')
830303	100,000	-	139,250	-	ORGMRTX	(OWNYF = '100' OR OWNYF = '200') AND (LOANTYPE = '2')
860600	-	-7,250	-	-10,500	SALEX	VEHICYC = '160'
880120	-	-1,864	-7,385	-7,013	JLCPRINX	OWNYH = '100' OR OWNYH = '200'
880220	-	-289		-1,683	JLCPRINX	OWNYH = '400' OR OWNYH = '500'
880320	-	-771	-	-1,156	JLCPRINX	OWNYH = '300'
910050	208	-	325	-	RNTEQVX	OWNYI = '100'
910100	291	-	467	-	RNTEQVX	OWNYI = '300'

These UCCs have a critical value, but no topcode amount. This implies that there are no observations outside the critical value on the current five-quarter release.

UCC	Critical value +	Critical value -	Mapped from	Condition
570220	-	-4,500	MEDRMBX	MEDRCARY = '520'
570240	2,667	-	JFEETOTX	REGFEECR = '2900'
570240	2,667	-	QSPCLX	SPFEECR = '2900'
570901	-	-69	MEDRMBX	MEDRCARY = '650'
570903	-	-260	MEDRMBX	MEDRCARY = '630'
790950	27,924	-	ORGMRTX	(OWNYF = '400' OR OWNYF = '500') AND

UCC	Critical value +	Critical value -	Mapped from	Condition
				(LOANTYPE = '2')
830302	264,000	-	ORGMRTX	(OWNYF = '300' AND (LOANTYPE = '1')
830304	42,845	-	ORGMRTX	(OWNYF = '300' AND (LOANTYPE = '2')

D. INCOME FILE (ITBI)

Data in the ITBI file are selected annual data from the FMLI file expressed in a monthly form (divided by 12). The ITBI variable VALUE is subject to topcoding for the following UCCs.

UCC	Description
001000	Purchase price of stocks, bonds, or mutual funds
001010	Net amount received from sales of stocks, bonds, mutual funds
001210	Amount of investment in own farm or business
001220	Amount of assets, goods, and services withdrawn from own farm or business
002010	Difference in amount held in savings accounts
002020	Difference in amount held in checking accounts
002030	Difference in amount held in U.S. Savings bonds
003000	Difference in amount of money owed to CU
003100	Amount received from settlement on surrender of any insurance policies
800910	Amount of government retirement deducted from last pay, annualized for all CU members
800920	Amount of Railroad Retirement deducted from last pay, annualized for all CU members
800931	Amount of private pension fund deducted from last pay, annualized for all CU members
900001	Amount of occupational expenses
900040	Amount received from pensions or annuities
900050	Amount received from regular income from dividends, royalties, estates or trusts
900060	Amount of net income or loss received from roomers or boarders
900070	Amount of net income or loss received from other rental units
900080	Amount received from interest on savings accounts or bonds
900131	Amount received from other child support payments
900132	Amount received from other regular contributions including alimony
900140	Amount received from other money income
910000	Amount received from lump sum receipts
910010	Amount received from sale of household furnishings, equipment
910020	Amount of refund received from overpayment on Social Security
910030	Amount of refund received from insurance policies
910040	Amount of refund received from property taxes
910041	Amount received from lump sum child support payment
920010	Amount in savings accounts
920020	Amount in checking, brokerage and other similar accounts
920030	Amount in U.S. Savings bonds
920040	Estimated market value all stocks, bonds, mutual funds
950000	Amount of Federal income tax paid
950001	Amount of refund received from Federal income tax
950010	Amount of state and local income taxes paid
950011	Amount of refund received from state and local taxes
950021	Amount of other taxes paid
950022	Amount of personal property taxes paid
950023	Amount of refund received from other sources
980020	Age of reference person

If VALUE is greater (less) than the designated critical values for the above UCCs, VALUE is set to the topcode value and the associated flag variable, VALUE_, is set to 'T'. The critical values and topcode values (rounded to the nearest dollar) of the variable VALUE that are associated with the above UCCs follow.

UCC	Critical value +	Critical value -	Topcode value +	Topcode value -
001000	83,333	-	1,797,619	-
001010	-	-100,000	-	-2,521,741
001210	28,333	-	84,222	-
001220 (WDBSASTX)	-	-14,000	-	-18,889
001220 (WDBSGDSX)	-	-12,000	-	-14,333
002010	10,000	-10,000	54,312	-28,186
002020	6,667	-9,333	40,044	-31,179
002030	10,333	-6,667	23,333	-24,397
003000	11,667	-10,000	59,458	-31,881
003100	-	-50,000	-	-141,667
900001	667	-	1,780	-
900040	3,981	-	5911	-
900050	3,333	-	9,732	-
900060	2,833	-500	3,778	-2,817
900070	4,700	-500	14,717	-1,258
900080	2,917	-	4,836	-
900131	1,200	-	1,814	-
900132	3,750	-	5,528	-
900140	2,083	-	4,424	-
910000	13,333	-	43,204	-
910010	750	-	5,739	-
910020	83	-	233	-
910030	3,583	-	18,607	-
910040	138	-	172	-
910041	717	-	1,099	-
920010	40,000	-	100,633	-
920020	8,333	-	70,020	-
920030	13,333	-	33,103	-
920040	300,000	-	678,706	-
950000 (FEDTAXX)[1]	2,001		4,206	
950001	-	-458	-	-785
950010 (SLOCTAXX)[2]	406		966	
950011	-	-133	-	-244
950021	357	-	1054	-
950022	358	-	589	-
950023	-	-140	-	-1,199
980020	8	-	8	-

[1] FEDTAXX (amount of Federal tax paid in addition to that withheld) and FAMTFEDX (Federal tax withheld from last pay annualized for all CU members) are both mapped to UCC 950000 as separate records. Records for UCC 950000 that represent FAMTFEDX are topcoded through their components (AMTFED) at the MEMI level and thus, these records will not have an ITBI critical value. ITBI records for UCC 950000 that represent FEDTAXX are topcoded for all amounts greater than $2,001.

[2] SLOCTAXX (amount of state and local taxes paid in addition to that withheld) and FSLTAXX (state and local income tax deduction from last pay annualized for all CU members) are both mapped to UCC 950010 as separate records. Records for UCC 950010 that represent FSLTAXX are topcoded through their components (SLTAXX) at the MEMI level and thus, these records will not have an ITBI critical value. Create the ITBI VALUE field for these records by dividing FSLTAXX by 12. If FSLTAXX is topcoded, then set VALUE_ to 'T'. ITBI records for UCC 950010 that represent SLOCTAXX are topcoded for all amounts greater than $406.

VALUE for the following income UCCs is topcoded because the FMLI file variables corresponding to these UCCs are topcoded due to recalculation. (See Section IV.A. CU CHARACTERISTICS AND INCOME FILE on topcoding of FMLI variables.)

UCC	FMLI variable	Description
800910	FGOVRETX	Amount of government retirement deducted from last pay, annualized for all CU members
800920	FRRDEDX	Amount of Railroad Retirement deducted from last pay, annualized for all CU members
800931	FPRIPENX	Amount of private pension fund deducted from last pay, annualized for all CU members
800932	FINDRETX	Amount of money placed in individual retirement plan
800940	FJSSDEDX	Estimated amount of annual Social Security contribution
900000	FSALARYX	Amount received from wage and salary income before deductions
900010	FNONFRMX	Amount of income or loss received from own nonfarm business
900020	FFRMINCX	Amount of income or loss received from own farm
980000	FINCBTAX	Amount of CU income before taxes
980070	FINCATAX	Amount of CU income after taxes

E. DETAILED EXPENDITURE FILES (EXPN)

The following EXPN file variables are subject to topcoding.

Survey Section	File name	Variable	Description
2. A&B.	RNT	QRT3MCMX	Total rental payments made in reference period, adjusted for business and rooms rented to others
3. B.	OPB	PROPVALX	About how much do you think this property would sell for on today's market?
		OWN_PURX	What was the total price paid for the property, not including closing costs?
3. D.	OPD	DISPX	What was the selling price (trade-in value)?
3. F.	MOR	ORGMRTX	What was the amount of the mortgage when you obtained it, excluding any interest?
		MRTPMTX	Mortgage payment, including escrow
		QBLNCM1X	Principal balance outstanding at beginning of month, 3 months ago
		QBLNCM2X	Principal balance outstanding at beginning of month, 2 months ago
		QBLNCM3X	Principal balance outstanding at beginning of month, 1 month ago
		QPRINM1X	Amount of principal paid during first month of reference period
		QPRINM2X	Amount of principal paid during second month of reference period
		QPRINM3X	Amount of principal paid during third month of reference period
3. G.	HEL	ORGMRTG	What was the amount of the lump sum home equity loan when you obtained it, excluding any interest?
		MRTPMTG	Loan payment
		QBLNCM1G	Principal balance outstanding at beginning of month, 3 months ago
		QBLNCM2G	Principal balance outstanding at beginning of month, 2 months ago
		QBLNCM3G	Principal balance outstanding at beginning of month, 1 month ago
		QPRINM1G	Amount of principal paid during first month of reference period
		QPRINM2G	Amount of principal paid during second month of reference period
		QPRINM3G	Amount of principal paid during third month of reference period
3. H.	OPH	JLCPRINX	Estimated amount of principal paid on loan during reference period
3. I.	OPI	JFEETOTX	Amount of regular condo fee for management services, adjusted for business
		QSPCLX	Total amount of special payments for management services, adjusted for business
		QLR3MCMX	Amount paid for ground or land rent, adjusted for business
		QLMPSUMX	Amount paid for mortgage in special or lump sum payments during reference period
		RNTEQVX	Monthly rental equivalence of owned home
11. B.	OVB	*For confidentiality reasons, records with VEHICYB='190' (private plane) are not included on the public use files.*	
		NETPURX	Amount paid for boat with motor
		If NETPURX is topcoded, then the following variables are suppressed (blanked out) and their flags are given a 'T'.	

Survey Section	File name	Variable	Description
		TRADEX	How much was the trade in allowance received?
		EMPLEXPX	How much of the amount or price was paid by an employer?
		DNPAYMTX	What was the amount of the cash down payment?
		PRINCIPX	How much was borrowed, excluding any interest?
		PAYMENTX	What is the amount of each payment?
		QBALNM1X	Principal balance outstanding at the beginning of first month of reference period
		QVINTM1X	Amount of interest paid during first month of reference period
		QVPRIM1X	Amount of principal paid during first month of reference period
		QBALNM2X	Principal balance outstanding at the beginning of second month of reference period
		QVINTM2X	Amount of interest paid during second month of reference period
		QVPRIM2X	Amount of principal paid during second month of reference period
		QBALNM3X	Principal balance outstanding at the beginning of third month of reference period
		QVINTM3X	Amount of interest paid during third month of reference period
		QVPRIM3X	Amount of principal paid during third month of reference period
		QTRADEX	Amount paid for vehicle after trade- in allowance minus amount of cost paid by employer
		QADITR1X	Amount of interest paid during first month of reference period, adjusted for business
		QADITR2X	Amount of interest paid during second month of reference period, adjusted for business
		QADITR3X	Amount of interest paid during third month of reference period, adjusted for business
		QDNPYMTX	Amount of down payment, adjusted for business
11. C.	OVC	*For confidentiality reasons, records with VEHICYC='190' (private plane) are not included on the public use files.*	
		SALEX	Amount boat with motor sold for
		If SALEX is topcoded, then the variable FINPAYMX (How much was the final payment made on any outstanding loan?) is suppressed for that record, and flagged as topcoded.	
12. A.	VEQ	*For confidentiality reasons, records with VOPVEHYA= '190' (Private plane) are not included on the public use microdata*.	
15. B.	MDB	MEDPMTX	Amount of payment for medical supplies or services
15. D.	MDC	MEDRMBX	Amount of reimbursement for medical supplies or services
16.	EDA	JEDUCNET	Net amount paid for educational expenses (housing)
18. B&C.	TRV	LDGCOSTX	Cost for hotels, motels, cottages, trailer camps, or other lodging including taxes and tips
18. D.	TRD	TOTYUPDX	Amount of (lodging) expense not covered by a business, employer, or other non-CU member (for trips funded by non-CU member)
18. E.	TRE	TRNONCUX	Amount of the (lodging) expense paid for non CU member

The critical values and topcode values associated with the above EXPN variables follow.

Survey Section	File name	Variable	Critical value +	Topcode value +	Condition
2. A&B.	RNT	QRT3MCMX	3,690	5,214	-
3. B.	OPB	PROPVALX	500,000	941,084	OWNYB = '100' or OWNYB = '200'
		PROPVALX	500,000	1,282,895	OWNYB = '300'
		PROPVALX	500,000	1,658,148	OWNYB = '400' or OWNYB = '500'
		OWN_PURX	332,000	493,414	OWNYB = '100' or OWNYB = '200'
		OWN_PURX	300,000	466,250	OWNYB = '300'
		OWN_PURX	315,000	2,457,500	OWNYB = '400' or OWNYB = '500'
3. D.	OPD	DISPX	230,000	294,833	OWNYD = '100' or OWNYD = '200'
		DISPX	185,000	1,364,500	OWNYD = '300'
		DISPX	146,900	316,000	OWNYD = '400' or OWNYD = '500'
3. F.	MOR	ORGMRTX	252,906	391,461	OWNYF = '100' or OWNYF = '200'
		ORGMRTX	249,636	374,696	OWNYF = '300'
		ORGMRTX	180,000	251,914	OWNYF = '400' or OWNYF = '500'
		MRTPMTX	2,400	3,522	-
		QBLNCM1X	237,347	357,000	('100' <= OWNYF <= '500')
		QBLNCM2X	238,049	359,358	('100' <= OWNYF <= '500')

Survey Section	File name	Variable	Critical value +	Topcode value +	Condition
		QBLNCM3X	237,808	358,711	('100' <= OWNYF <= '500')
		QPRINM1X	745	1,310	OWNYF = '100' or OWNYF = '200'
		QPRINM1X	602	1,029	OWNYF = '300'
		QPRINM1X	594	2,673	OWNYF = '400' or OWNYF = '500'
		QPRINM2X	748	1,318	OWNYF = '100' or OWNYF = '200'
		QPRINM2X	605	1,016	OWNYF = '300'
		QPRINM2X	598	2,690	OWNYF = '400' or OWNYF = '500'
		QPRINM3X	751	1,329	OWNYF = '100' or OWNYF = '200'
		QPRINM3X	609	1,023	OWNYF = '300'
		QPRINM3X	602	3,477	OWNYF = '400' or OWNYF = '500'
3. G.	HEL	ORGMRTG	100,701	149,454	OWNYG = '100' or OWNYG = '200'
		ORGMRTG	40,000	51,667	OWNYG = '300'
		ORGMRTG	35,000	43,333	OWNYG = '400' or OWNYG = '500'
		MRTPMTG	1,126	1,809	-
		QBLNCM1G	92,212	132,507	'100' <= OWNYG <= '500'
		QBLNCM2G	93,038	134,841	'100' <= OWNYG <= '500'
		QBLNCM3G	92,626	134,207	'100' <= OWNYG <= '500'
		QPRINM1G	502	762	OWNYG = '100' or OWNYG = '200'
		QPRINM1G	354	718	OWNYG = '300'
		QPRINM1G	204	209	OWNYG = '400' or OWNYG = '500'
		QPRINM2G	506	773	OWNYG = '100' or OWNYG = '200'
		QPRINM2G	356	716	OWNYG = '300'
		QPRINM2G	205	210	OWNYG = '400' or OWNYG = '500'
		QPRINM3G	503	774	OWNYG = '100' or OWNYG = '200'
		QPRINM3G	358	721	OWNYG = '300'
		QPRINM3G	206	212	OWNYG = '400' or OWNYG = '500'
3. H.	OPH	JLCPRINX	5,593	22,154	OWNYH = '100' or OWNYH = '200'
		JLCPRINX	2,313	3,468	OWNYH = '300'
		JLCPRINX	868	5050	OWNYH = '400' or OWNYH = '500'
3. I.	OPI	QLR3MCMX	1,440	2,009	OWNYI = '100' or OWNYI = '200'
		QLR3MCMX	945	2,878	OWNYI = '300'
		QLMPSUMX	2,100	13,473	OWNYI = '100' or OWNYI = '200'
		QLMPSUMX	1,140	3,550	OWNYI = '300'
		QLMPSUMX	10,000	37,500	OWNYI = '400' or OWNYI = '500'
		RNTEQVX	2,500	3,911	OWNYI = '100' or OWNYI = '200'
		RNTEQVX	3,500	5,603	OWNYI = '300'
		RNTEQVX	2,500	7,233	OWNYI = '400' or OWNYI = '500'
11. B.	OVB	NETPURX	40,000	73,8000	VEHICYB = '160'
11. C.	OVC	SALEX	7,250	10,500	VEHICYC = '160'
15. B.	MDB	MEDPMTX	327	1,699	MEDPCARY = '110'
		MEDPMTX	1,050	2,030	MEDPCARY = '200'
		MEDPMTX	2,500	5,636	MEDPCARY = '310'
		MEDPMTX	1,700	2,937	MEDPCARY = '320'
		MEDPMTX	425	1,485	MEDPCARY = '410'
		MEDPMTX	306	785	MEDPCARY = '420'
		MEDPMTX	434	1,071	MEDPCARY = '510'
		MEDPMTX	5,278	5,695	MEDPCARY = '520'
		MEDPMTX	1,200	2,969	MEDPCARY = '530'
		MEDPMTX	238	443	MEDPCARY = '630'
		MEDPMTX	290	658	MEDPCARY = '640'
		MEDPMTX	256	433	MEDPCARY = '650'
		MEDPMTX	200	481	MEDPCARY = '660'
15. D.	MDC	MEDRMBX	237	369	MEDRCARY = '110'
		MEDRMBX	900	1,055	MEDRCARY = '200'

Survey Section	File name	Variable	Critical value +	Topcode value +	Condition
		MEDRMBX	3,686	8,647	MEDRCARY = '310'
		MEDRMBX	3,500	10,454	MEDRCARY = '320'
		MEDRMBX	612	1,018	MEDRCARY = '410'
		MEDRMBX	923	2,251	MEDRCARY = '420'
		MEDRMBX	800	1,053	MEDRCARY = '510'
		MEDRMBX	229	495	MEDRCARY = '530'
		MEDRMBX	600	687	MEDRCARY = '640'
		MEDRMBX	227	436	MEDRCARY = '660'
16.	EDA	JEDUCNET	4,000	6,687	EDUC_AY = '310'
18. B&C.	TRV	LDGCOSTX	1,300	2,279	-
18. D.	TRD	TOTYUPDX	547	877	TOTYUPDY = '130'
18. E.	TRE	TRNONCUX	461	821	TRNONCUY = '130'

These EXPN variables have a critical value, but no topcode amount. This implies that there are no observations outside the critical value on the current five-quarter release.

Survey Section	File name	Variable	Critical value +	Condition
3. I.	OPI	JFEETOTX	2,500	('100' <= OWNYI <= '300') and REGFEECR = '01000'
		JFEETOTX	8,000	('100' <= OWNYI <= '300') and REGFEECR = '29000'
		QSPCLX	2,500	('100' <= OWNYI <= '300') and SPFEECR = '01000'
		QSPCLX	8,000	('100' <= OWNYI <= '300') and SPFEECR = '29000'
15. D.	MDC	MEDRMBX	4,500	MEDRCARY = '520'
		MEDRMBX	260	MEDRCARY = '630'
		MEDRMBX	69	MEDRCARY = '650'

V. ESTIMATION PROCEDURE

A. DESCRIPTION OF PROCEDURES

The following section describes procedures for using microdata for the estimation of descriptive statistics such as aggregates and means. A sample program written in SAS that illustrates this methodology is in Section VII. MICRODATA VERIFICATION AND ESTIMATION METHODOLOGY

1. ***<u>GENERAL CONCEPTS</u>***

a. ***SAMPLE VERSUS POPULATION ESTIMATES***

As described in Section X.C. WEIGHTING, each CU in the CE sample represents a given number of CUs in the U.S. population. The translation of sample CUs into a population estimate is accomplished by weighting. FINLWT21, one of the 45 weight variables associated with each CU, is used to estimate the population. Procedures for estimating sample (unweighted) and population (weighted) statistics are described in Sections V.A.2. ESTIMATION OF UNWEIGHTED STATISTICS and V.A.3. ESTIMATION OF WEIGHTED STATISTICS below.

b. *CALENDAR PERIOD VERSUS COLLECTION PERIOD*

Because the rotating panel design of the Interview survey has an effect on the structure of the data files, one must be aware of the distinction between calendar period and collection period in producing estimates. (See Section X.A. SURVEY SAMPLE DESIGN for a description of the panel rotation scheme.)

Respondents are asked to report expenditures made since the first of the month three months prior to the interview month. For example, if a CU is interviewed in February of 2000, they are reporting expenditures for November and December of 1999, and January of 2000. This is illustrated in the rotation chart below. The period between November 1 and January 31 is referred to as the reference period for the interview.

Month of Expenditure	**Month of Interview**					
	January Panel A	*February* Panel B	*March* Panel C	*April* Panel A	*May* Panel B	*June* Panel C
October	X					
November	X	X				
December	X	X	X			
January		X	X	X		
February			X	X	X	
March				X	X	X
April					X	X
May						X

Please note that UCCs 006001 and 006002 -- total amount owed to creditors (2nd and 5th interviews) – do not adhere to the above mapping scheme. They are mapped to the month of the interview, *not* to preceding months.

The microdata files are organized and identified by collection period, i.e., the month of the interview. Thus, the MTBI file for the second quarter of 2000 contains expenditure data collected in interviews that took place in April, May, and June of 2000. Referring to the rotation chart, one can see that this MTBI file contains expenditures made between January 2000 and May 2000. Similarly, the MTBI file for the third quarter of 2000 (interviews conducted between July and September) contains expenditures made between April and August 2000. To obtain all expenditures made in January 2000, one should access the MTBI files for both the first and second quarters of 2000. The MTBI file for the first quarter of 2000 would contain January expenditures made by CUs interviewed in February and March 2000, while the MTBI file for the second quarter of 2000 would contain January expenditures made by CUs interviewed in April 2000.

As a consequence, users should be clear as to whether they desire estimates based on when expenditures were reported (collection period) or when expenditures were made (calendar period).

To produce an annual estimate for 2000 based on collection period, that is, from all interviews conducted in 2000, data users need data only from Q001 through Q004 files. However, to produce a 2000 annual estimate based on expenditures made in 2000 (calendar period), one needs to access five collection-quarter files, the first quarter of 2000 through the first quarter of 2001. (The estimates published by BLS are based on calendar periods that require the subsequent year's first quarter data).

The ITBI files are derived in a slightly different manner than MTBI. As was mentioned in the description of the ITBI file, the data on the file represents the conversion of annual and point-of-interview data into a monthly format compatible with MTBI. Looking at a CU interviewed in January 2000, as an example, nonfarm business income earned over the previous 12 months would be collected and recorded as such on the FMLI file. For the ITBI file, this annual amount would be divided by 12, and separate records would be created for October, November, and December each containing that amount.

The variables REF_MO, REF_YR, QINTRVMO, and QINTRVYR indicate reference month of expenditure, reference year of expenditure, interview month, and interview year, respectively. REF_MO and REF_YR, in the MTBI and ITBI files, can be used to select all data for the desired period in which expenditures were made. Because of the interview rotation pattern, there is a one-month to three-month lag between the time an expenditure occurs and the time it is reported. QINTRVMO and QINTRVYR can be used to identify the collection reference period.

In addition to its effect on the selection of data prior to estimation, this distinction between collection period and calendar period also directly affects the estimation procedure for producing means. In computing means based on data collected from all CUs interviewed in a given time frame (e.g., year, quarter, 8 months), the potential contribution of each CU to the mean is the same. That is each CU can contribute data from the entire reference period to the estimate. On the other hand, in computing means based on expenditures made in a given time frame, the potential contribution of each CU to the mean varies depending on how closely the reference period for an interview coincides with the time frame desired. To see this more clearly, refer once again to the rotation chart. To compute a mean for expenditures made during the first quarter of the year, one would obtain data from CUs interviewed between February and June. However, their potential contributions to the mean are not equal. CUs interviewed in February only contribute 'one-third' of the expenditures they made during the reference period to the estimate (their January expenditures), while CUs interviewed in April contribute all their expenditures to the estimate.

As a result, the population (the denominator in the equation for a mean) has to be adjusted to account for the difference in contribution among CUs. At BLS, we create a variable, MO_SCOPE that shows the number of months a CU's interview can contribute to the mean or is "in scope" for the time period the estimate will cover. All CUs interviewed in the same month will have identical values for MO_SCOPE, as their potential contribution to the mean is the same. Thus, MO_SCOPE will be conditioned on the value of QINTRVMO (and possibly QINTRVYR).

Continuing with our example of estimating a mean for expenditures made during the first quarter of the year, we would access data from files for the first and second quarter of the year. MO_SCOPE would be derived as explained below.

If QINTRVMO is 1 then MO_SCOPE is 0
if QINTRVMO is 2 then MO_SCOPE is 1
if QINTRVMO is 3 then MO_SCOPE is 2
if QINTRVMO is 4 then MO_SCOPE is 3
if QINTRVMO is 5 then MO_SCOPE is 2
if QINTRVMO is 6 then MO_SCOPE is 1

Note that MO_SCOPE has a value of 0 for CUs interviewed in January, as they report expenditures for October through December, totally outside the period of interest. One could extract a data set of only CUs interviewed between February and June to eliminate that condition. How MO_SCOPE is used in estimation will be discussed later.

c. *TIME PERIOD DIFFERENCES*

It has been mentioned previously that these files contain data that can cover a variety of time periods. Values for MTBI and ITBI variables are monthly. Values for variables on the FMLI and MEMI files can vary. For example income variables are for annual time periods and demographic variables are as of the time of interview. As such, users should pay particular attention to the descriptions of variables in the detailed listings of Section III.E. DETAILED VARIABLE DESCRIPTIONS.

This is particularly important where the user may have a choice between variables on two files that contain the same data adjusted to reflect different time periods. For instance, FMLI income data are annual covering the 12-month period prior to the collection month, whereas in ITBI these income data have been converted into monthly values. Selected demographic characteristic variables in the FMLI files contain values as of the date of interview. In the ITBI files, these values are treated as if they were "annual" amounts, and are converted to monthly records by dividing the values by 12. To illustrate each of these cases, the following example looks at a CU interviewed in April whose reference person is 60 years old at the time of interview and where CU income from wages and salaries over the previous 12 months is $48,000.

FMLI			ITBI	
VARIABLE	AMOUNT	UCC	AMOUNT	MONTH
FSALARYX	$48,000	900000	$4,000	JAN
		900000	$4,000	FEB
		900000	$4,000	MAR
AGE_REF	60	980020	5	JAN
			5	FEB
			5	MAR

Users should be aware of these time period differences when using the data.

d. *COMPARISONS WITH PUBLISHED CE DATA*

The mean values for some income and expenditure items which appear in CE publications are different than those derived from the Interview public-use microdata because some variables are topcoded or suppressed on the public-use files, but are not so treated on BLS's own data base in producing published data. (For detailed topcoding information, see Section IV. TOPCODING AND OTHER NONDISCLOSURE REQUIREMENTS.)

2. *ESTIMATION OF UNWEIGHTED STATISTICS*

a. *AGGREGATE STATISTICS*

To compute unweighted aggregate expenditures from data on the MTBI files, one would sum the value of the COST field for MTBI records of interest. These records could be selected on the basis of factors such as item category, month or year of occurrence, or characteristics of the CU or its members. While MTBI is a monthly file, there is no summation done at the monthly level for each CU for expenditures with similar UCC and gift characteristics. Thus one may find multiple MTBI records with identical characteristics including COST, if the CU reported the expenditures as discrete purchases. A similar approach can be applied to estimate aggregate income from data on the ITBI files, summing the VALUE field on the appropriate records.

Certain MTBI and ITBI item categories are collected only in the 5th interview. Therefore, the data are reported by only one-fourth of the sample at any time. For some categories, the reported values have been multiplied by 4 to expand them to represent the total sample, while in other categories, this has not been done. When estimating for these UCCs, values should be multiplied by 4 for total sample representation. (See Sections III.F.3 MONTHLY EXPENDITURES (MTBI) FILE and III.F.4 INCOME (ITBI) FILE.)

The estimation of aggregates for FMLI and MEMI file variables is similar to that for MTBI and ITBI variables. To estimate aggregates from data on the FMLI file, one would sum the value of the desired variable field for FMLI records selected on the basis of, for example, other CU characteristic variables on the FMLI file, characteristics of CU members, expenditures made, and month or year of interview. Aggregates for MEMI file variables would be developed in a similar fashion.

The user must be careful in interpreting what the aggregate represents because of the time period differences between variables on different files. For example, summing the COST field of MTBI records representing purchases for a UCC that occurred in a specific month will yield an aggregate monthly expenditure for that UCC. However, summing the value of a FMLI file variable such as FSALARYX for all CUs interviewed in a specific month will yield an aggregate annual value for that variable.

In general, one can use an aggregate derived for a certain time period to extrapolate an aggregate estimate for a longer time period. A typical case is the estimation of annual aggregates based on an aggregate using less than 12 months of data. To do this, divide the number of months for which the estimate is desired (12) by the number of months of expenditure data being used and multiply the aggregate by that quotient.

b. ***MEANS***

There are two types of means that are customarily derived from CE data. The most common is the sample mean computed over all CUs. The other is the mean of those reporting computed over only those CUs actually reporting the item. The following sections look at each type of mean.

(i) <u>SAMPLE MEANS</u>

Unweighted sample means are derived by computing an aggregate estimate for the desired item and dividing it by the sample size over the time period being estimated. Deriving an aggregate estimate has already been discussed; ascertaining the correct sample size is the next task.

The Interview survey is designed such that the CUs interviewed in each quarter represent one independent sample. Since there is one FMLI record for each sample CU, the national sample for the first quarter of 2000 is 7,860 CUs. (See Section III.B. RECORD COUNTS PER QUARTER.) The appropriate sample size for any time period will reflect the number of interviewed CUs eligible to report data over the period adjusted by the number of independent samples represented. As explained earlier, the major consideration is whether the desired estimate is a collection period estimate or a calendar period estimate.

To calculate the sample size for a collection period estimate, divide the total number of CUs interviewed by the quotient of the number of months in which these interviews occurred divided by 3. For example, one might wish to estimate the annual sample mean expenditure for men's shirts for all CUs interviewed in 2000. If one were to divide the aggregate expenditure on men's shirts from these interviews by the total number of CUs interviewed, one would get an annual sample mean about 1/4 as large as it should be, since the number of CUs interviewed represented four independent samples (one sample for each quarter of 2000). In fact, one would have derived the average quarterly sample mean rather than the annual sample mean. To get the annual sample mean, one would have to divide the total number of CUs interviewed by 4 (or 12 months divided by 3), thereby computing the average sample size over the year, and divide the aggregate by that amount.

As mentioned earlier, when one computes a calendar period estimate, the variable MO_SCOPE is required to adjust the sample size for the difference in potential contribution among CUs. Since one independent sample of CUs is represented in each quarter, the sum of MO_SCOPE for one quarter can be up to 3 times the independent sample (if MO_SCOPE = 3 for every CU interviewed in the quarter, the sum of MO_SCOPE would be equal 3 times the independent sample). To calculate the sample size for a calendar period estimate, sum MO_SCOPE for the appropriate CUs and divide by 3. Note that this makes sense in those instances where MO_SCOPE does not equal 3. Referring to the example where MO_SCOPE was introduced, we can see that summing MO_SCOPE for CUs interviewed in the second quarter of the year (QINTRVMO = 4-6) would yield approximately one independent sample as CUs interviewed in June would be counted twice while CUs interviewed in April would not be counted. Dividing this amount by 3 would yield a sample size of 1/3 the independent sample. Keep in mind that only 1/3 of the expenditures reported in those interviews occurred within the time period of the aggregate being estimated. Only April data from May interviews and April-May data from June interviews would be included in the aggregate.

One can see how the computation of sample size is affected when one calculates the commonly-used annual calendar period estimate. A 2000 estimate would be based on data from interviews over five quarters. MO_SCOPE would take on the following values:

Interview Month and Year

	2000				**2000**				
	Jan	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*
MO_SCOPE	0	1	2	3	3	3	3	3	3
			2000	**2001**		**2001**			
	Oct	*Nov*	*Dec*	*Jan*	*Feb*	*Mar*			
MO_SCOPE	3	3	3	3	2	1			

Summing MO_SCOPE for each of the five quarters and dividing by 3 would yield a value of 1/3 the independent sample for the first quarter of 2000, 2/3 the independent sample for the first quarter of 2001, and one independent sample for the second, third, and fourth quarters of 2000. Summed over the five quarters, this represents 4 independent samples, so the result should be divided by 4 to get the correct sample size of one average independent sample. Thus, the general rule in computing sample size for deriving an annual calendar period estimate is to sum MO_SCOPE over the five quarters and divide by 12.

(ii) MEANS OF THOSE REPORTING

The only difference between estimating a mean-of-those-reporting and estimating a sample mean is in selecting the appropriate CUs to use in the computation. The CUs to be used depend on the objective of the analysis. In deriving a sample mean, all sample units interviewed over the time period covered are included in the computation of sample size whether or not they reported the item being estimated. In computing a mean of those reporting, only those CUs reporting the desired item would be included. The aggregate estimate used in the numerator is the same in either case. The adjustments made for MO_SCOPE and the fact that each quarter represents one independent sample would apply in this case as well. It should be noted that means of those reporting are not U.S. population estimates. They cannot be used to calculate total expenditures or expenditure shares for the U.S. population. They are useful only at the computed level.

3. ***ESTIMATION OF WEIGHTED STATISTICS***

By applying weights when computing aggregates or means, one transforms the results from sample estimates to population estimates. There are 45 weight variables on the FMLI file, WTREP01-WTREP44 and FINLWT21. All the WTREP variables are half-sample replicate weights that should be used in variance computation. Use FINLWT21 to estimate weighted statistics for the population of CUs.

Users should follow the procedures for estimating unweighted statistics described above. When estimating weighted aggregates, the desired cost or value field should be multiplied by FINLWT21 at the CU level before summing across all appropriate records. In determining the proper sample size when computing collection period means, divide the sum of FINLWT21 for the CUs interviewed by the quotient of the number of months in which these interviews occurred divided by 3. Where calendar period means are to be estimated, multiply MO_SCOPE by FINLWT21 for each CU prior to summing and dividing by 3.

B. DESCRIPTION OF FORMULAS

Expenditure items will be referred to in these descriptions, but income items can be handled similarly except where otherwise stated.

Definition of Terms:

Let

S = all CUs in the subpopulation of interest
x = item(s) of interest
q = number of months for which estimate is desired
m = number of months of interviews whose expenditures are to be used in calculating the estimate (collection period estimate)
r = number of months in which expenditures were made to be used in calculating the estimate (calendar period estimate)
j = individual CU in subpopulation S
t = month of expenditure
i = month of interview
MSC = MO_SCOPE value

Then

$E_{j,x,i}$ = 3-month expenditure by CU_j on item x reported at month i interview
$E_{j,x,t}$ = monthly expenditure by CU_j on item x made during month t
$W_{j,i,F21}$ = weight assigned to CU_j for interview at month i
$W_{j,t,F21}$ = weight assigned to CU_j for interview where CU_j makes expenditure during month t

The F21 denotes FINLWT21, which is used for population estimates.

1. ***AGGREGATE EXPENDITURE ESTIMATES (UNWEIGHTED)***

An estimate of unweighted aggregate expenditures for a collection period can be expressed as:

${}_{UK}X_{(S,x)(q,m)}$ = an unweighted collection (*UK)* period estimate of aggregate expenditures (*X*) by CUs in subpopulation *S*, indexed from $j = 1$ through k, on item x over q months of interviews, where data collected over m months of interviews are used.

or

$${}_{UK}X_{(S,x)(q,m)} = \left(\frac{q}{m}\right)\sum_{i=1}^{m}\left(\sum_{j=1}^{k}E_{x,j}\right)_i$$

An estimate of unweighted aggregate expenditures for a calendar period can be expressed as:

$_{UC}\mathrm{X}_{(S,x)(q,r)}$ = an unweighted calendar (*UC*) period estimate of aggregate expenditures (*X*) by CUs in subpopulation *S*, indexed from *j* = 1 through *k*, on item x over *q* months, where expenditures made over *r* months are used.

or

$$_{UC}\mathrm{X}_{(S,x)(q,r)} = \left(\frac{q}{r}\right)\sum_{t=1}^{r}\left(\sum_{j=1}^{k}E_{x,j}\right)_t$$

2. ***SAMPLE MEAN EXPENDITURE ESTIMATES (UNWEIGHTED)***

An estimate of an unweighted mean expenditure for a collection period can be expressed as:

$_{UK}\overline{X}_{(S,x)(q,m)}$ = an unweighted collection period estimate of the mean expenditure by CUs in subpopulation *S* on item *x* over a period of *q* months, where data collected over *m* months of interviews are used.

or

$$_{UK}\overline{X}_{(S,x)(q,m)} = \left(\frac{_{UK}X_{(S,x)(q,m)}}{\dfrac{\sum_{i=1}^{m}\left(\sum_{j=1}^{k}S_j\right)_i}{\left(\dfrac{m}{3}\right)}}\right)$$

An estimate of an unweighted mean expenditure for a calendar period can be expressed as:

$_{UC}\overline{X}_{(S,x)(q,r)}$ = an unweighted calendar period estimate of the mean expenditure by CUs in subpopulation *S* on item *x* over a period of *q* months, where expenditures made over *r* months are used.

or

$$_{UC}\overline{X}_{(S,x)(q,r)} = \left(\frac{_{UC}X_{(S,x)(q,r)}}{\dfrac{\sum_{t=1}^{r+3}\left(MSC\sum_{j=1}^{k}S_j\right)_t}{r}}\right)$$

Note: For *t* =1, MO_SCOPE (*MSC*) = 0, since CUs interviewed in the first month for which the estimate is to be generated report expenditures outside the estimate period, i.e., in the previous quarter, month, etc. For *t* = (*r+3*), MO_SCOPE = 1 since only 1 month's worth of expenditures have a chance to contribute to the calendar period of *r* months.

3. ***AGGREGATE EXPENDITURE ESTIMATES (WEIGHTED)***

An estimate of weighted aggregate expenditures for a collection period can be expressed as:

${}_{WK}X_{(S,x)(q,m)}$ = a weighted collection (*WK*) period estimate of aggregate expenditures by CUs in subpopulation *S* on item *x* over a period of *q* months, where data collected over *m* months of interviews are used.

or

$${}_{WK}X_{(S,x)(q,m)} = \left(\frac{q}{m}\right)\sum_{i=1}^{m}\left(\sum_{j=1}^{k}(W_{j,F21}E_{x,j})\right)_i$$

An estimate of weighted aggregate expenditures for a calendar period can be expressed as:

${}_{WC}X_{(S,x)(q,r)}$ = a weighted calendar (*WC*) period estimate of aggregate expenditures by CUs in subpopulation *S* on item *x* over *q* months, where expenditures made over *r* months are used.

or

$${}_{WC}X_{(S,x)(q,r)} = \left(\frac{q}{r}\right)\sum_{t=1}^{r}\left(\sum_{j=1}^{k}(W_{j,F21}E_{x,j})\right)_t$$

4. ***SAMPLE MEAN EXPENDITURE ESTIMATES (WEIGHTED)***

An estimate of a weighted mean expenditure for a collection period can be expressed as:

${}_{WK}\overline{X}_{(S,x)(q,m)}$ = a weighted collection (*WK*) period estimate of the mean expenditure by CUs in subpopulation *S* on item *x* over a period of *q* months, where data collected over *m* months of interviews are used.

or

$${}_{WK}\overline{X}_{(S,x)(q,m)} = \left(\frac{{}_{WK}X_{(S,x)(q,m)}}{\dfrac{\sum_{i=1}^{m}\left(\sum_{j=1}^{k}W_{j,F21}\right)_i}{\left(\dfrac{m}{3}\right)}}\right)$$

An estimate of a weighted mean expenditure for a calendar period can be expressed as:

$_{WC}\overline{X}_{(S,x)(q,r)}$ = a weighted calendar (*WC*) period estimate of the mean expenditure by CUs in subpopulation *S* on item *x* over a period of *q* months, where expenditures made over *r* months are used.

or

$$_{WC}\overline{X}_{(S,x)(q,r)} = \left(\frac{\dfrac{_{WC}X_{(S,x)(q,r)}}{\sum_{t=1}^{r+3}\left[(MSC)\left(\sum_{j=1}^{k} W_{j,F21} \right) \right]_t}}{r} \right)$$

Note: For t =1, MO_SCOPE (*MSC*) = 0, since CUs interviewed in the first month for which the estimate is to be generated report expenditures outside the estimate period, i.e., in the previous quarter, month, etc. For t = ($r+3$), MO_SCOPE = 1 since only 1 month's worth of expenditures have a chance to contribute to the calendar period of *r* months.

VI. RELIABILITY STATEMENT

A. DESCRIPTION OF SAMPLING AND NONSAMPLING ERRORS

Sample surveys are subject to two types of errors, sampling and non-sampling. Sampling errors occur because observations are not taken from the entire population. The standard error, which is the accepted measure for sampling error, is an estimate of the difference between the sample data and the data that would have been obtained from a complete census. The sample estimate and its estimated standard error enable one to construct confidence intervals.

Assuming the normal distribution applies to the means of expenditures, the following statements can be made:

1) The chances that an estimate from a given sample would differ from a complete census figure by less than one standard error are approximately 68 out of 100.

2) The chances that the difference would be less than 1.6 times the standard error are approximately 90 out of 100.

3) The chances that the difference would be less than two times the standard error are approximately 95 out of 100.

Nonsampling errors can be attributed to many sources, such as definitional difficulties, differences in the interpretation of questions, inability or unwillingness of the respondent to provide correct information, mistakes in recording or coding the data obtained, and other errors of collection, response, processing, coverage, and estimation of missing data. The full extent of the nonsampling error is unknown. Estimates using a small number of observations are less reliable. A small amount of nonsampling error can cause a small difference to appear significant even when it is not. It is probable that the levels of estimated expenditures obtained in the Interview survey are generally lower than the "true" level due to the above factors.

B. ESTIMATING SAMPLING ERROR

1. ***VARIANCE ESTIMATION***

Variances can be estimated in many ways. The method illustrated below (a pseudo replication technique) is chosen because it is accurate and simple to understand. The basic idea is to construct several artificial "subsamples" from the original sample data such that the variance information of the original data is preserved in the subsamples. The subsamples (or pseudo replicates) can then be used to approximate variances for the estimates. Forty-four separate subsamples can be extracted from the data base using the replicate weight variables, WTREP01-WTREP44, associated with each CU. Note that only half of the CU's are assigned to each of the 44 replicates. The replicate weight variable contains a value greater than 0 for CU's assigned to that replicate. A value of missing is assigned to the weight variable for those CU's not included in a particular replicate.

The notation for the weighted collection period and calendar period estimates of aggregate expenditures in Section V.B.3 AGGREGATE EXPENDITURE ESTIMATES (WEIGHTED) does not explicitly identify the replicate as a variable because to calculate an aggregate (or mean) only FINLWT21 is used.

An estimate for the variance of an aggregate or mean estimate can be computed by generating 44 separate estimates using the 44 replicate weights and employing the standard formula for computing sample variance. To illustrate the estimation of variance, the notation must first be expanded to include the replicates explicitly.

Expenditure items will be referred to in these descriptions, but income items can be handled similarly except where otherwise stated.

Let the subscript "*a*" represent one of the 44 sets of replicate weights on the FMLI files. Following the earlier notation in Section V.B., we have.

${}_{AK}\mathrm{X}_{(S,x)(q,m),a}$ = a collection period estimate of aggregate expenditures by CU's in subpopulation *S* on item *x* over a period of *q* months, using data collected over *m* months of interviews, calculated using the weights of the *a*th replicate

and,

${}_{AK}\overline{X}_{(S,x)(q,m),a}$ = a collection period estimate of the mean expenditure by CU's in subpopulation *S* on item *x* over a period of *q* months, using data collected over *m* months of interviews, calculated using the weights of the *a*th replicate

Note that an estimate using any one of the first 44 replicate weights uses only part of the expenditure data; in general: ${}_{AK}X_{(S,x)(q,m),1}, \cdots, {}_{AK}X_{(S,x)(q,m),44} \neq {}_{WK}X_{(S,x)(q,m)}$

Using standard variance formula, the variance of aggregate expenditures can be estimated as follows:

$$\mathrm{V}\left({}_{WK}X_{(\mathrm{S,x})(q,m)}\right) = \frac{1}{44}\sum_{a=1}^{44}\left({}_{AK}X_{(\mathrm{S,x})(q,m),a} - {}_{WK}X_{(\mathrm{S,x})(q,m)}\right)^2$$

Similarly, estimates for the variances of $_{WK}\overline{X}_{(S,x)(q,m)}$ can be given as:

$$V\left({}_{\mathrm{WK}}\overline{\mathrm{X}}_{(\mathrm{S,x})(q,m)}\right)=\frac{1}{44}\sum_{a=1}^{44}\left({}_{\mathrm{AK}}\overline{\mathrm{X}}_{(\mathrm{S,x})(q,m),a}-{}_{WK}\overline{\mathrm{X}}_{(\mathrm{S,x})(q,m)}\right)^2$$

2. ***STANDARD ERROR OF THE MEAN***

The standard error of the mean, $S.E.(\overline{X})$, is used to obtain confidence intervals that evaluate how close the estimate may be to the true population mean. $S.E.(\overline{X})$ is defined as the square root of the variance of the mean. For example, the weighted calendar period estimated mean expenditure for total food by complete income reporters in 2000 is $5,109.05. The standard error for this estimate is $41.59. A 95 percent confidence interval can be constructed around this estimate, bounded by values 1.96 times the standard error less than and greater than the estimate, that is, from $4,904.48 to $5,038.60. We could conclude with 95 percent confidence that the true population mean expenditure for food for total complete income reporters in 2000 lies within the interval $ 5,027.53 to $ 5,190.57 .

3. ***STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS***

Standard errors may also be used to perform hypothesis testing, a procedure that evaluates population parameters using sample estimates. The most common types of hypotheses are: 1) the population parameters are identical, and 2) they are different.

For example, the 2000 mean expenditure estimate for apparel and services for complete income reporters in the *$30,000 to $39,999* income range is $ 1,184.33 and the estimate for complete income reporters in the *$40,000 to $49,999* income range is $1,305.70. The apparent difference between the two mean expenditures is $121.37. The standard error on the estimate of $1,184.33 is $45.86 and the estimated standard error for $1,305.70 is $53.84.

The standard error of a difference is approximately equal to

$$S.E.\left({}_{WC}\overline{X}_1,{}_{WC}\overline{X}_2\right)=\sqrt{\left(V\left({}_{WC}\overline{X}_1\right)+V\left({}_{WC}\overline{X}_2\right)\right)} \tag{1}$$

where

$$V(\overline{X}_i)=\left(S.E.(\overline{X}_i)\right)^2$$

This assumes the two sample means, $_{WC}\overline{X}_1$ and $_{WC}\overline{X}_2$, are disjoint subsets of the population. Hence the standard error of the difference in apparel and services expenditures between these two income groups of complete income reporters is about

$$\sqrt{\left((45.86)^2+(53.84)^2\right)}=70.72 \tag{2}$$

This means that the 95 percent confidence interval around the difference is from -$17.25 to $259.99. Since this interval includes zero, we cannot conclude with 95 percent confidence that the mean apparel and services expenditures for complete reporters in the *$40,000 to $49,999* income range is different than the mean apparel and services expenditures for complete reporters in the *$30,000 to $39,999* income range.

Analyses of the difference between two estimates can also be performed on nondisjoint sets of population, where one is a subset of the other. The formula for computing the standard error of the difference between two nondisjoint estimates is

$$S.E.\left({}_W\bar{X}_1, {}_W\bar{X}_2\right) = \sqrt{\left(V\left({}_W\bar{X}_1\right) + V\left({}_W\bar{X}_2\right) - 2r\left(V\left({}_W\bar{X}_1\right) * V\left({}_W\bar{X}_2\right)\right)\right)} \qquad (3)$$

where

$$V(\bar{X}_i) = \left(S.E.(\bar{X}_i)\right)^2$$

and where r is the correlation coefficient between ${}_W\bar{X}_1$ and ${}_W\bar{X}_2$. The correlation coefficient is generally no greater than 0.2 for CE estimates.

VII. MICRODATA VERIFICATION AND ESTIMATION METHODOLOGY

This section is designed to help users become familiar with the microdata files. The following program gives users a benchmark to verify that their data is valid, illustrates the methodology CE uses in producing publication tables, and offers an example of coding to access the data and produce a sample table. Refer to the table following the program to check output. (Note: CE data published by BLS may not match some values estimated using the microdata due to topcoding of data and CE publication programming methodology.) All variables and ranges referred to in the program are described in detail in Section III.F. DETAILED VARIABLE DESCRIPTIONS in this documentation.

This program produces a table of selected expenditures by income class of the CU. The first section of the program extracts the relevant variables from the FMLI files, while the second section extracts the expenditure and income data from the MTBI and ITBI files. These three data sets are then used along with the AGG and LABEL processing files to construct the sample table output. This output is the product of two SAS arrays. The values in one array are divided by the value in the other array to obtain weighted mean expenditures. The base, or denominator, for the division is a vector consisting of the weighted total population for the U.S. and selected income class categories. The numerator is a matrix of aggregate weighted costs for each line item in the table for the total U.S. population and each income class category.

It should be emphasized that this program has been written solely for the verification of the microdata and as an illustration of the CE estimation methodology. It should not be used for any other purpose.

Note: This program processes large amounts of data. If you are using a PC with limited capabilities it may be necessary to run this program in sections.

A. SAMPLE PROGRAM

```
Copyright (c) 1989-1996 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software Release 6.12  TS020
     Licensed to US DEPT OF LABOR, BUREAU OF LABOR STATISTICS,
Site 0008951017.


1    %let y = 00;
2    %let y2 = 01;
3
4
5    filename fmly1 "d:\intrvw&y\fmlyi&y.1x.txt";
6    filename fmly2 "d:\intrvw&y\fmlyi&y.2.txt";
7    filename fmly3 "d:\intrvw&y\fmlyi&y.3.txt";
8    filename fmly4 "d:\intrvw&y\fmlyi&y.4.txt";
9    filename fmly5 "d:\intrvw&y\fmlyi&y2.1.txt";
10
11   filename mtab1 "d:\intrvw&y\mtabi&y.1x.txt";
12   filename mtab2 "d:\intrvw&y\mtabi&y.2.txt";
13   filename mtab3 "d:\intrvw&y\mtabi&y.3.txt";
14   filename mtab4 "d:\intrvw&y\mtabi&y.4.txt";
15   filename mtab5 "d:\intrvw&y\mtabi&y2.1.txt";
16
17   filename itab1 "d:\intrvw&y\itabi&y.1x.txt";
18   filename itab2 "d:\intrvw&y\itabi&y.2.txt";
19   filename itab3 "d:\intrvw&y\itabi&y.3.txt";
20   filename itab4 "d:\intrvw&y\itabi&y.4.txt";
21   filename itab5 "d:\intrvw&y\itabi&y2.1.txt";
22
23   filename agg "d:\intrvw&y\aggi&y..txt";
24   filename labls "d:\intrvw&y\labeli&y..txt";
25
26
27   options linesize=153 pagesize=52 missing='';
28
29
30
31
32   data fmly1;
33      infile fmly1 lrecl=4608;
34      input @1 newid 8. @331 finlwt21 11.3 @663 qintrvmo $2.
35            @3324 inclass $2.;

NOTE: The infile FMLY1 is:
     FILENAME=d:\intrvw00\fmlyi001x.txt,
     RECFM=V,LRECL=4608

NOTE: 7860 records were read from the infile FMLY1.
     The minimum record length was 4608.
     The maximum record length was 4608.
NOTE: The data set WORK.FMLY1 has 7860 observations and 4 variables.
NOTE: The DATA statement used 4.71 seconds.
```

Line 1 sets the year as a macro variable that can be used throughout the program. Line 2 sets another macro variable as the year plus one.

Lines 5-21 designate the location of the data on the CD-ROM.

Lines 23-24 designate the location of the two processing files.

Line 27 forces the output to be printed landscape.

Lines 32-60 pull in the necessary variables from the fmli files. Newid is the code given to a consumer unit each time it participates. Finlwt21 will be used to weight each consumer unit such that it represents some portion of the population. Qintrvmo is the month that the consumer unit was interviewed. Inclass is a code that represents the range within which the consumer unit's annual income falls.

```
36      proc sort; by newid;
37

NOTE: The data set WORK.FMLY1 has 7860 observations and 4 variables.
NOTE: The PROCEDURE SORT used 0.33 seconds.


38   data fmly2;
39      infile fmly2 lrecl=4608;
40      input @1 newid 8. @331 finlwt21 11.3 @663 qintrvmo $2.
41            @3324 inclass $2.;

NOTE: The infile FMLY2 is:
      FILENAME=d:\intrvw00\fmlyi002.txt,
      RECFM=V,LRECL=4608

NOTE: 7809 records were read from the infile FMLY2.
      The minimum record length was 4608.
      The maximum record length was 4608.
NOTE: The data set WORK.FMLY2 has 7809 observations and 4 variables.
NOTE: The DATA statement used 3.08 seconds.


42      proc sort; by newid;
43

NOTE: The data set WORK.FMLY2 has 7809 observations and 4 variables.
NOTE: The PROCEDURE SORT used 0.16 seconds.


44   data fmly3;
45      infile fmly3 lrecl=4608;
46      input @1 newid 8. @331 finlwt21 11.3 @663 qintrvmo $2.
47            @3324 inclass $2.;

NOTE: The infile FMLY3 is:
      FILENAME=d:\intrvw00\fmlyi003.txt,
      RECFM=V,LRECL=4608

NOTE: 7624 records were read from the infile FMLY3.
      The minimum record length was 4608.
      The maximum record length was 4608.
NOTE: The data set WORK.FMLY3 has 7624 observations and 4 variables.
NOTE: The DATA statement used 2.91 seconds.


48      proc sort; by newid;
49

NOTE: The data set WORK.FMLY3 has 7624 observations and 4 variables.
NOTE: The PROCEDURE SORT used 0.22 seconds.


50   data fmly4;
51      infile fmly4 lrecl=4608;
52      input @1 newid 8. @331 finlwt21 11.3 @663 qintrvmo $2.
```

```
53          @3324 inclass $2.;

NOTE: The infile FMLY4 is:
      FILENAME=d:\intrvw00\fmlyi004.txt,
      RECFM=V,LRECL=4608

NOTE: 7717 records were read from the infile FMLY4.
      The minimum record length was 4608.
      The maximum record length was 4608.
NOTE: The data set WORK.FMLY4 has 7717 observations and 4 variables.
NOTE: The DATA statement used 2.97 seconds.


54      proc sort; by newid;
55

NOTE: The data set WORK.FMLY4 has 7717 observations and 4 variables.
NOTE: The PROCEDURE SORT used 0.22 seconds.


56   data fmly5;
57      infile fmly5 lrecl=4608;
58      input @1 newid 8. @331 finlwt21 11.3 @663 qintrvmo $2.
59          @3324 inclass $2.;

NOTE: The infile FMLY5 is:
      FILENAME=d:\intrvw00\fmlyi011.txt,
      RECFM=V,LRECL=4608

NOTE: 7712 records were read from the infile FMLY5.
      The minimum record length was 4608.
      The maximum record length was 4608.
NOTE: The data set WORK.FMLY5 has 7712 observations and 4 variables.
NOTE: The DATA statement used 2.97 seconds.


60      proc sort; by newid;
61
62

NOTE: The data set WORK.FMLY5 has 7712 observations and 4 variables.
NOTE: The PROCEDURE SORT used 0.16 seconds.


63   data fmlyall(drop=qintrvmo );
64      set fmly1(in=in1) fmly2 fmly3 fmly4 fmly5(in=in5);
65        by newid;
66      if in1 then mo_scope=qintrvmo-1;
67      else if in5 then mo_scope=4-qintrvmo;
68      else mo_scope=3;
69      uspop = finlwt21 * mo_scope/12;

NOTE: Character values have been converted to numeric values at the places
given by: (Line):(Column).
      66:25   67:32
NOTE: The data set WORK.FMLYALL has 38722 observations and 5 variables.
```

Lines 63-65 bring each of the 5 quarters of fmli data sets together.
Lines 66-78 create the variable mo_scope. Mo_scope is used to calculate calendar year, as opposed to collection year, estimates. It is used in conjunction with finwt21 to determine uspop. Uspop is the weight each family will be given to inflate the values they

NOTE: The DATA statement used 0.98 seconds. 70 proc sort; by newid; NOTE: The data set WORK.FMLYALL has 38722 observations and 5 variables. NOTE: The PROCEDURE SORT used 0.88 seconds.	report to a national level. NOTE: More information on mo_scope can be found in the ESTIMATION PROCEDURES section of this documentation.
71 proc datasets; -----Directory----- Libref: WORK Engine: V612 Physical Name: j:\saswork\#TD01249 # Name Memtype Indexes ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ 1 FMLY1 DATA 2 FMLY2 DATA 3 FMLY3 DATA 4 FMLY4 DATA 5 FMLY5 DATA 6 FMLYALL DATA 71 delete fmly1 fmly2 fmly3 fmly4 fmly5; 72 NOTE: Deleting WORK.FMLY1 (memtype=DATA). NOTE: Deleting WORK.FMLY2 (memtype=DATA). NOTE: Deleting WORK.FMLY3 (memtype=DATA). NOTE: Deleting WORK.FMLY4 (memtype=DATA). NOTE: Deleting WORK.FMLY5 (memtype=DATA). NOTE: The PROCEDURE DATASETS used 0.88 seconds.	Line 71 deletes from memory the data sets that are no longer necessary for processing.
73 proc summary nway data = fmlyall; 74 class inclass; 75 var uspop; 76 output out = newpop sum = popus; 77 NOTE: The data set WORK.NEWPOP has 10 observations and 4 variables. NOTE: The PROCEDURE SUMMARY used 0.59 seconds.	Lines 73-87 create the total population weights by income group that will be used as the denominator in calculating the average annual expenditures later in the program and prints them.
78 proc transpose data = newpop out = transpop prefix = pop; 79 var popus; 80 81 NOTE: The data set WORK.TRANSPOP has 1 observations and 11 variables. NOTE: The PROCEDURE TRANSPOSE used 0.17 seconds.	Lines 78-79 transpose the newpop data set to match the format of the PUBRAY data set that it will be matched with later in the program.
82 data subagg (drop = _name_); 83 set transpop;	Lines 82-85 take the transposed data set and

84 popt = sum (of pop1-pop10); 85 popc = sum (of pop1-pop9); NOTE: The data set WORK.SUBAGG has 1 observations and 12 variables. NOTE: The DATA statement used 0.11 seconds. 86 proc print data=subagg; 87 title "Population Counts for 20&y"; 88 NOTE: The PROCEDURE PRINT used 0.27 seconds.	calculate popt, the all consumer units population, and popc, the all complete income reporters population.
89 data mtab1; 90 infile mtab1 lrecl=35; 91 input @1 newid 8. @9 ucc $6. @15 cost 12.4 92 @32 ref_yr $4.; 93 if ref_yr="20&y"; NOTE: The infile MTAB1 is: FILENAME=d:\intrvw00\mtabi001x.txt, RECFM=V,LRECL=35 NOTE: 722281 records were read from the infile MTAB1. The minimum record length was 35. The maximum record length was 35. NOTE: The data set WORK.MTAB1 has 242227 observations and 4 variables. NOTE: The DATA statement used 8.96 seconds. 94 proc sort; by newid; 95 NOTE: The data set WORK.MTAB1 has 242227 observations and 4 variables. NOTE: The PROCEDURE SORT used 7.13 seconds. 96 data mtab2; 97 infile mtab2 lrecl=35; 98 input @1 newid 8. @9 ucc $6. @15 cost 12.4 99 @32 ref_yr $4.; 100 if ref_yr="20&y"; NOTE: The infile MTAB2 is: FILENAME=d:\intrvw00\mtabi002.txt, RECFM=V,LRECL=35 NOTE: 672069 records were read from the infile MTAB2. The minimum record length was 35. The maximum record length was 35. NOTE: The data set WORK.MTAB2 has 672069 observations and 4 variables. NOTE: The DATA statement used 10.21 seconds. 101 proc sort; by newid;	Lines 89-122 pull in the mtbi files. Newid is the consumer unit code. Ucc is a code that represents the type of expenditure variable. Cost is the value that corresponds to the ucc code. Ref_yr is the reference year of the expenditure. Ref_yr is set such that any expenditures outside of the desired reference year are excluded.

```
NOTE: The data set WORK.MTAB2 has 672069 observations and 4 variables.
NOTE: The PROCEDURE SORT used 19.5 seconds.


data mtab3;
   infile mtab3 lrecl=35;
   input @1 newid 8. @9 ucc $6. @15 cost 12.4
         @32 ref_yr $4.;
   if ref_yr="20&y";

NOTE: The infile MTAB3 is:
      FILENAME=d:\intrvw00\mtabi003.txt,
      RECFM=V,LRECL=35

NOTE: 663014 records were read from the infile MTAB3.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.MTAB3 has 663014 observations and 4 variables.
NOTE: The DATA statement used 9.88 seconds.


   proc sort; by newid;

NOTE: The data set WORK.MTAB3 has 663014 observations and 4 variables.
NOTE: The PROCEDURE SORT used 19.33 seconds.


data mtab4;
   infile mtab4 lrecl=35;
   input @1 newid 8. @9 ucc $6. @15 cost 12.4
         @32 ref_yr $4.;
   if ref_yr="20&y";

NOTE: The infile MTAB4 is:
      FILENAME=d:\intrvw00\mtabi004.txt,
      RECFM=V,LRECL=35

NOTE: 664675 records were read from the infile MTAB4.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.MTAB4 has 664675 observations and 4 variables.
NOTE: The DATA statement used 9.93 seconds.


   proc sort; by newid;

NOTE: The data set WORK.MTAB4 has 664675 observations and 4 variables.
NOTE: The PROCEDURE SORT used 19.21 seconds.


data mtab5;
   infile mtab5 lrecl=35;
```

119 input @1 newid 8. @9 ucc $6. @15 cost 12.4 120 @32 ref_yr $4.; 121 if ref_yr="20&y"; NOTE: The infile MTAB5 is: FILENAME=d:\intrvw00\mtabi011.txt, RECFM=V,LRECL=35 NOTE: 697014 records were read from the infile MTAB5. The minimum record length was 35. The maximum record length was 35. NOTE: The data set WORK.MTAB5 has 471737 observations and 4 variables. NOTE: The DATA statement used 9.56 seconds.	
122 proc sort; by newid; 123 NOTE: The data set WORK.MTAB5 has 471737 observations and 4 variables. NOTE: The PROCEDURE SORT used 13.78 seconds.	
124 data mtaball(drop=ref_yr); 125 set mtab1 mtab2 mtab3 mtab4 mtab5; 126 by newid; NOTE: The data set WORK.MTABALL has 2713722 observations and 3 variables. NOTE: The DATA statement used 29.87 seconds.	Lines 124-126 bring the 5 quarters of mtbi data sets together.
127 proc sort; by newid; NOTE: The data set WORK.MTABALL has 2713722 observations and 3 variables. NOTE: The PROCEDURE SORT used 1 minute 12.43 seconds.	
128 proc datasets; -----Directory----- Libref: WORK Engine: V612 Physical Name: j:\saswork\#TD01249 # Name Memtype Indexes ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ 1 FMLYALL DATA 2 MTAB1 DATA 3 MTAB2 DATA 4 MTAB3 DATA 5 MTAB4 DATA 6 MTAB5 DATA 7 MTABALL DATA 8 NEWPOP DATA 9 SUBAGG DATA	Line 128 deletes from memory the data sets that are no longer necessary for processing.

```
                                   10  TRANSPOP  DATA
128                  delete mtab1 mtab2 mtab3 mtab4 mtab5;
129
130

NOTE: Deleting WORK.MTAB1 (memtype=DATA).
NOTE: Deleting WORK.MTAB2 (memtype=DATA).
NOTE: Deleting WORK.MTAB3 (memtype=DATA).
NOTE: Deleting WORK.MTAB4 (memtype=DATA).
NOTE: Deleting WORK.MTAB5 (memtype=DATA).
NOTE: The PROCEDURE DATASETS used 0.17 seconds.
```

Lines 131-164 pull in the itbi/income files. Newid is the consumer unit code. Ucc is a code that represents the type of expenditure variable. Value is the value that corresponds to the ucc code. Refyr is the reference year of the expenditure. Refyr is set such that any values outside of the desired reference year are excluded.

```
131  data itab1 ;
132     infile itab1 lrecl=35;
133     input @1 newid 8. @15 ucc $6. @22 value 12.4
134           @11 refyr $4.;
135     if refyr="20&y";

NOTE: The infile ITAB1 is:
      FILENAME=d:\intrvw00\itabi001x.txt,
      RECFM=V,LRECL=35

NOTE: 398277 records were read from the infile ITAB1.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.ITAB1 has 134600 observations and 4 variables.
NOTE: The DATA statement used 5.26 seconds.


136     proc sort; by newid;
137

NOTE: The data set WORK.ITAB1 has 134600 observations and 4 variables.
NOTE: The PROCEDURE SORT used 4.12 seconds.


138  data itab2 ;
139     infile itab2 lrecl=35;
140     input @1 newid 8. @15 ucc $6. @22 value 12.4
141           @11 refyr $4.;
142     if refyr="20&y";

NOTE: The infile ITAB2 is:
      FILENAME=d:\intrvw00\itabi002.txt,
      RECFM=V,LRECL=35

NOTE: 395835 records were read from the infile ITAB2.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.ITAB2 has 395835 observations and 4 variables.
NOTE: The DATA statement used 6.09 seconds.


143     proc sort; by newid;
144
```

```
NOTE: The data set WORK.ITAB2 has 395835 observations and 4 variables.
NOTE: The PROCEDURE SORT used 11.58 seconds.


145  data itab3 ;
146     infile itab3 lrecl=35;
147     input @1 newid 8. @15 ucc $6. @22 value 12.4
148           @11 refyr $4.;
149     if refyr="20&y";

NOTE: The infile ITAB3 is:
      FILENAME=d:\intrvw00\itabi003.txt,
      RECFM=V,LRECL=35

NOTE: 387030 records were read from the infile ITAB3.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.ITAB3 has 387030 observations and 4 variables.
NOTE: The DATA statement used 6.08 seconds.


150     proc sort; by newid;
151

NOTE: The data set WORK.ITAB3 has 387030 observations and 4 variables.
NOTE: The PROCEDURE SORT used 11.42 seconds.


152  data itab4 ;
153     infile itab4 lrecl=35;
154     input @1 newid 8. @15 ucc $6. @22 value 12.4
155           @11 refyr $4.;
156     if refyr="20&y";

NOTE: The infile ITAB4 is:
      FILENAME=d:\intrvw00\itabi004.txt,
      RECFM=V,LRECL=35

NOTE: 386529 records were read from the infile ITAB4.
      The minimum record length was 35.
      The maximum record length was 35.
NOTE: The data set WORK.ITAB4 has 386529 observations and 4 variables.
NOTE: The DATA statement used 6.04 seconds.


157     proc sort; by newid;
158

NOTE: The data set WORK.ITAB4 has 386529 observations and 4 variables.
NOTE: The PROCEDURE SORT used 11.58 seconds.


159  data itab5 ;
160     infile itab5 lrecl=35;
161     input @1 newid 8. @15 ucc $6. @22 value 12.4
```

162   @11 refyr $4.;
163   if refyr="20&y";
 	
NOTE: The infile ITAB5 is:
   FILENAME=d:\intrvw00\itabi011.txt,
   RECFM=V,LRECL=35
 	
NOTE: 387330 records were read from the infile ITAB5.
   The minimum record length was 35.
   The maximum record length was 35.
NOTE: The data set WORK.ITAB5 has 260192 observations and 4 variables.
NOTE: The DATA statement used 5.49 seconds.	

164 proc sort; by newid; 165 NOTE: The data set WORK.ITAB5 has 260192 observations and 4 variables. NOTE: The PROCEDURE SORT used 7.63 seconds.	
166 data itaball(drop=refyr rename=(value=cost)); 167 set itab1 itab2 itab3 itab4 itab5; 168 by newid; NOTE: The data set WORK.ITABALL has 1564186 observations and 3 variables. NOTE: The DATA statement used 17.62 seconds.	Lines 166-168 bring all 5 quarters of itbi data sets together. The variable value is renamed cost so that it can be merged with the mtbi data sets later in the program.
169 proc sort; by newid; NOTE: The data set WORK.ITABALL has 1564186 observations and 3 variables. NOTE: The PROCEDURE SORT used 41.18 seconds.	
170 proc datasets; -----Directory----- Libref: WORK Engine: V612 Physical Name: j:\saswork\#TD01249 # Name Memtype Indexes ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ 1 FMLYALL DATA 2 ITAB1 DATA 3 ITAB2 DATA 4 ITAB3 DATA 5 ITAB4 DATA 6 ITAB5 DATA 7 ITABALL DATA 8 MTABALL DATA 9 NEWPOP DATA 10 SUBAGG DATA	Line 170 deletes from memory the data sets that are no longer necessary for processing.

```
                              11  TRANSPOP  DATA
170                 delete itab1 itab2 itab3 itab4 itab5;
171

NOTE: Deleting WORK.ITAB1 (memtype=DATA).
NOTE: Deleting WORK.ITAB2 (memtype=DATA).
NOTE: Deleting WORK.ITAB3 (memtype=DATA).
NOTE: Deleting WORK.ITAB4 (memtype=DATA).
NOTE: Deleting WORK.ITAB5 (memtype=DATA).
NOTE: The PROCEDURE DATASETS used 0.11 seconds.


172  data expend ;
173    set mtaball itaball;
174     by newid;
175     if ucc='710110' then cost=cost*4;

NOTE: The data set WORK.EXPEND has 4277908 observations and 3 variables.
NOTE: The DATA statement used 44.49 seconds.
```

Lines 172-175 pull the mtaball and itaball data sets together. One ucc must be adjusted because only one-fourth of all consumer units interviewed in a quarter are asked this question (those in the 5th interview).

```
176     proc sort; by newid;

NOTE: The data set WORK.EXPEND has 4277908 observations and 3 variables.
NOTE: The PROCEDURE SORT used 1 minute 54.96 seconds.


177     proc datasets;
                              -----Directory-----

                         Libref:        WORK
                         Engine:        V612
                         Physical Name: j:\saswork\#TD01249

                           #  Name      Memtype  Indexes
                           ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ
                           1  EXPEND    DATA
                           2  FMLYALL   DATA
                           3  ITABALL   DATA
                           4  MTABALL   DATA
                           5  NEWPOP    DATA
                           6  SUBAGG    DATA
                           7  TRANSPOP  DATA
177                 delete mtaball itaball;
178
179

NOTE: Deleting WORK.MTABALL (memtype=DATA).
NOTE: Deleting WORK.ITABALL (memtype=DATA).
NOTE: The PROCEDURE DATASETS used 0.11 seconds.
```

Line 177 deletes from memory the data sets no longer needed for processing.

```
180  data pubfile;
181      merge fmlyall (in = infam drop=mo_scope)
182            expend  (in = inexp)
183            ;
```

Lines 180-187 merge the fmlyall and expend data sets together and check the cost variable to make sure there

```
184      by newid ;
185      if cost='.' then cost=0;
186      wcost = finlwt21 * cost;
187      if not inexp then delete;
188

NOTE: Character values have been converted to numeric values at the places
given by: (Line):(Column).
     185:13
NOTE: The data set WORK.PUBFILE has 4277908 observations and 7
variables.
NOTE: The DATA statement used 1 minute 22.94 seconds.
```

are no missing values.

Line 186 weights the cost variable up to the population level that the consumer unit represents.

```
189      proc summary nway data = pubfile;
190       class ucc inclass;
191       var wcost;
192       output out = aggcst sum = wcost;

NOTE: The data set WORK.AGGCST has 6007 observations and 5 variables.
NOTE: The PROCEDURE SUMMARY used 1 minute 3.33 seconds.
```

Lines 189-192 sum the weighted costs for the consumer units for each ucc by income group and outputs this as a new data set called aggcst.

```
193      proc datasets;
                                   -----Directory-----

                           Libref:        WORK
                           Engine:        V612
                           Physical Name: j:\saswork\#TD01249

                             #  Name      Memtype  Indexes
                             ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ
                             1  AGGCST    DATA
                             2  EXPEND    DATA
                             3  FMLYALL   DATA
                             4  NEWPOP    DATA
                             5  PUBFILE   DATA
                             6  SUBAGG    DATA
                             7  TRANSPOP  DATA
193                delete expend;
194

NOTE: Deleting WORK.EXPEND (memtype=DATA).
NOTE: The PROCEDURE DATASETS used 0.11 seconds.
```

```
195  data aggray (drop = inclass _type_  _freq_ wcost);
196    set aggcst;
197     by ucc ;
198        array trncost grp1-grp10;
199         retain grp1-grp10;
200          if first.ucc then do over trncost;
201              trncost = 0;
202          end;
203          _I_=inclass;
204          trncost=wcost;
```

Lines 195-205 create the variables grp1-grp10 that will designate the income groups and then places the weighted cost, or expenditure, data into the appropriate new variable.

```
205         if last.ucc then output;
206

NOTE: Character values have been converted to numeric values at the places
given by: (Line):(Column).
      203:13
NOTE: The data set WORK.AGGRAY has 665 observations and 11 variables.
NOTE: The DATA statement used 0.27 seconds.
```

```
207  data agfile;
208       infile agg lrecl=20;
209         input @3 ucc $6.  @10 gift $1.
210               @15 line $6.;
211       if gift='2';

NOTE: The infile AGG is:
      FILENAME=d:\intrvw00\aggi00.txt,
      RECFM=V,LRECL=20

NOTE: 4932 records were read from the infile AGG.
      The minimum record length was 20.
      The maximum record length was 20.
      One or more lines were truncated.
NOTE: The data set WORK.AGFILE has 2224 observations and 3 variables.
NOTE: The DATA statement used 0.16 seconds.
```

Lines 207-211 pull in the file that dictates how each ucc will be summed for aggregation.

```
212       proc sort data = agfile;
213       by ucc ;
214

NOTE: The data set WORK.AGFILE has 2224 observations and 3 variables.
NOTE: The PROCEDURE SORT used 0.11 seconds.
```

```
215  data pubray ;
216       merge aggray (in = inray)
217             agfile (in = inagg);
218          by ucc;
219       if inray and inagg;
220

NOTE: The data set WORK.PUBRAY has 1989 observations and 13 variables.
NOTE: The DATA statement used 0.22 seconds.
```

Lines 215-219 merge the data set containing the weighted costs and the agfile. The agfile will give all costs a code called line that will be used for aggregation.

```
221       proc summary nway data = pubray;
222         class line;
223         var grp1-grp10;
224         output out = aggsum sum = ;
225
226

NOTE: The data set WORK.AGGSUM has 232 observations and 13 variables.
NOTE: The PROCEDURE SUMMARY used 0.11 seconds.
```

Lines 221-224 sum the weighted costs for each income group (grp1-grp10) by line and output this into a new data set called aggsum.

Lines 227-236 create two arrays. One array is a vector from the subagg data set that contains the population counts (popt, popc, pop1-pop10). The other is a matrix of the weighted costs by income group. The costs are divided by the population counts.

```
227  data cstpop1 (drop = _type_ _freq_ popt popc pop1-pop10);
228       if _n_ = 1 then set subagg;
229       set aggsum;
230         grpt = sum (of grp1-grp10);
231         grpc = sum (of grp1-grp9);
232       array ex grpt grpc grp1-grp10;
233       array wt popt popc pop1-pop10;
234        do over ex;
235          ex = ex/wt;
236        end;
237

NOTE: The data set WORK.CSTPOP1 has 232 observations and 13 variables.
NOTE: The DATA statement used 0.17 seconds.
```

Lines 238-246 give the population counts a line value so that they can be printed as part of the final output, and then brings them together with the summed cost data set that was calculated with the arrays.

```
238  data numcus (rename=(popt=grpt popc=grpc pop1=grp1 pop2=grp2
239                    pop3=grp3 pop4=grp4 pop5=grp5 pop6=grp6
240                    pop7=grp7 pop8=grp8 pop9=grp9 pop10=grp10));
241       set subagg;
242       line='000000';
243

NOTE: The data set WORK.NUMCUS has 1 observations and 13 variables.
NOTE: The DATA statement used 0.11 seconds.


244  data cstpop;
245       set numcus cstpop1;
246       by line;
247

NOTE: The data set WORK.CSTPOP has 233 observations and 13 variables.
NOTE: The DATA statement used 0.11 seconds.
```

Lines 248-250 pull in the label file that will put titles on the final output.

```
248  data addlab;
249       infile labls lrecl=57;
250       input @1 line $6. @8 title $char50.;
251

NOTE: The infile LABLS is:
      FILENAME=d:\intrvw00\labeli00.txt,
      RECFM=V,LRECL=57

NOTE: 116 records were read from the infile LABLS.
      The minimum record length was 57.
      The maximum record length was 57.
NOTE: The data set WORK.ADDLAB has 116 observations and 2 variables.
NOTE: The DATA statement used 0.05 seconds.
```

Lines 252-278 merge the summed cost data set with the

```
252  data pubtab (drop = line);
253       merge cstpop (in = inline)
```

addlab (in = inlabl);
by line;
if not inlabl then delete;
 	
NOTE: The data set WORK.PUBTAB has 116 observations and 13 variables.
NOTE: The DATA statement used 0.11 seconds.
 	
proc print split='*' uniform;
label
grpt=' All* Consumer* Units*__________'
grpc=' Total* Complete*Reporting*__________'
grp1=' Less* Than* $5,000*__________'
grp2=' $5,000* To* $9,999*__________'
grp3=' $10,000* To* $14,999*__________'
grp4=' $15,000* To* $19,999*__________'
grp5=' $20,000* To* $29,999*__________'
grp6=' $30,000* To* $39,999*__________'
grp7=' $40,000* To* $49,999*__________'
grp8=' $50,000* To* $69,999*__________'
grp9=' $70,000* And* Over*__________'
grp10='Incomplete* Income*Reporters*__________';
format title $char40.;
format grpt grpc grp1-grp10 comma9.2;
id title;
var grpc grp1-grp9;
title "CE Interview Survey Microdata: Average Annual Expenditures for Calendar Year 20&y by Income";
title2 ' ';
title3 ' ';
run;
 	
NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.
NOTE: The PROCEDURE PRINT used 0.22 seconds.
	titles for printing. The output is formatted and the income groups are given labels. Note that not all groups are printed – the incomplete reporters (grp10) and all consumer units (grpt).

B. OUTPUT

The following observation shows the contents of the subagg data set created in lines 82-85. It represents the weighted number of CUs in each INCLASS category as well as for the total population and the population of complete income reporters.

Population Counts for 2000 15:14 Friday, February 1, 2002

OBS	POP1	POP2	POP3	POP4	POP5	POP6	POP7	POP8	POP9	POP10	POPT	POPC
1	3626688.43	7183230.93	8037476.81	6676699.84	12039439.21	9476726.26	7652729.61	11337135.03	15424040.82	27912365.92	109366532.87	81454166.95

CE Interview Survey Microdata: Average Annual Expenditures for Calendar Year 2000 by Income 15:14 Friday, February 1, 2002

TITLE	Total Complete Reporting	Less Than $5,000	$5,000 To $9,999	$10,000 To $14,999	$15,000 To $19,999	$20,000 To $29,999	$30,000 To $39,999	$40,000 To $49,999	$50,000 To $69,999	$70,000 And Over
Number of consumer units	81454167	3626688.4	7183230.9	8037476.8	6676699.8	12039439	9476726.3	7652729.6	11337135	15424041
Consumer unit characteristics:										
Income before taxes	44,596.70	2,362.96	7,606.00	12,302.71	17,312.80	24,462.03	34,312.64	44,222.71	58,706.07	112243.12
Income after taxes	41,491.36	2,329.33	7,434.85	12,235.19	17,018.89	23,625.11	32,609.46	41,505.46	54,550.36	102196.38
Age of reference person	48.08	41.94	54.61	55.03	53.29	49.20	46.33	44.69	44.30	45.24
Average number in consumer unit:										
Persons	2.49	1.82	1.68	1.96	2.19	2.37	2.51	2.62	2.88	3.18
Children under 18	0.67	0.42	0.36	0.48	0.52	0.64	0.65	0.74	0.80	0.93
Persons 65 and over	0.30	0.23	0.46	0.54	0.60	0.41	0.27	0.18	0.14	0.11
Earners	1.36	0.89	0.55	0.69	0.85	1.16	1.43	1.54	1.84	2.07
Vehicles	1.94	1.00	0.90	1.24	1.45	1.69	1.95	2.20	2.50	2.89
Percent distribution:										
Sex of reference person:										
Male	53.02	42.18	31.94	40.47	45.66	51.60	54.46	60.79	61.92	64.97
Female	46.97	57.82	68.06	59.53	54.34	48.40	45.54	39.21	38.08	35.03
Housing tenure:										
Homeowner	64.81	32.80	42.15	51.38	58.06	57.63	63.24	67.14	78.80	87.94
Renter	35.19	67.20	57.85	48.62	41.94	42.37	36.76	32.86	21.20	12.06
Race of reference person:										
Black	11.84	16.08	18.67	16.81	13.12	12.60	11.89	10.37	8.89	6.77
White and other	88.16	83.92	81.33	83.19	86.88	87.40	88.11	89.63	91.11	93.23
Education of reference person:										
Elementary (1-8)	6.23	9.82	17.89	11.21	10.46	7.07	4.42	2.61	1.79	1.05

TITLE	Total Complete Reporting	Less Than $5,000	$5,000 To $9,999	$10,000 To $14,999	$15,000 To $19,999	$20,000 To $29,999	$30,000 To $39,999	$40,000 To $49,999	$50,000 To $69,999	$70,000 And Over
High school (9-12)	38.53	37.02	48.42	51.93	51.58	44.50	41.60	38.22	32.01	20.01
College	54.91	52.70	32.59	36.32	37.38	47.99	53.68	59.07	66.18	78.91
Never attended and other	0.33	0.46	1.10	0.54	0.58	0.43	0.30	0.10	0.02	0.02
At least one vehicle owned or leased .	88.06	61.01	60.58	77.27	82.74	91.87	95.03	95.93	96.79	97.58
At least one vehicle owned	85.98	59.58	59.92	76.35	81.78	89.86	92.61	93.70	94.11	94.26
At least one vehicle leased	6.37	3.28	0.74	2.05	2.08	3.30	5.66	5.80	8.94	15.05
Average annual expenditures	37,507.43	17,804.51	15,196.05	20,590.25	22,929.59	27,944.99	33,378.95	38,510.92	45,758.91	71,094.64
Food	5,109.05	3,169.66	2,885.72	3,447.34	3,762.45	4,316.44	4,869.94	5,258.84	6,099.04	8,012.96
Food at home	3,672.17	2,421.35	2,332.47	2,750.80	2,986.95	3,284.01	3,600.15	3,798.94	4,289.91	5,197.23
Food away from home	1,436.88	748.32	553.25	696.54	775.50	1,032.43	1,269.79	1,459.90	1,809.12	2,815.73
Alcoholic beverages	302.95	175.13	161.99	148.89	165.17	234.67	267.85	332.56	360.40	556.52
Housing	11,595.47	6,446.82	5,299.14	7,103.53	7,529.22	8,723.00	10,430.21	11,806.81	13,630.11	21,197.05
Shelter	7,139.02	4,058.72	3,160.96	4,221.59	4,495.62	5,237.56	6,573.47	7,365.99	8,399.36	13,173.19
Owned dwellings	4,598.53	1,562.52	1,061.17	1,848.24	2,094.37	2,471.71	3,732.41	4,466.20	6,120.93	10,615.89
Mortgage interest and charge	2,672.67	758.15	313.25	602.32	738.81	1,095.94	2,030.00	2,755.58	3,871.37	6,841.03
Property taxes	1,084.22	485.48	426.43	638.93	682.26	716.74	923.95	920.04	1,301.51	2,244.42
Maintenance, repairs, insura	841.64	318.90	321.49	606.98	673.30	659.03	778.46	790.58	948.05	1,530.44
Rented dwellings	2,065.08	1,930.55	1,960.68	2,223.91	2,186.90	2,494.50	2,543.10	2,563.65	1,757.05	1,359.99
Other lodging	475.41	565.65	139.11	149.44	214.34	271.35	297.96	336.14	521.38	1,197.31
Utilities, fuels, and public servi	2,487.16	1,467.73	1,559.39	1,881.20	2,084.40	2,224.22	2,443.92	2,595.83	2,873.06	3,543.28
Natural gas	304.51	164.66	171.98	226.92	259.20	262.70	291.87	306.76	359.50	458.03
Electricity	897.41	524.15	602.19	725.49	810.96	858.85	883.04	930.44	1,018.06	1,183.55
Fuel oil and other fuels	95.49	69.58	85.62	94.89	88.28	87.33	85.22	95.12	98.08	120.56
Telephone services	889.98	558.11	549.65	626.15	685.98	754.35	899.16	955.40	1,040.81	1,309.23
Water and other public services	299.76	151.23	149.95	207.75	239.97	260.99	284.64	308.12	356.61	471.92
Household operations	692.37	319.20	188.63	348.52	387.21	419.24	409.60	569.19	844.28	1,662.38
Personal services	337.92	134.45	63.86	136.70	198.76	180.91	171.60	247.32	478.92	844.52
Other household expenses	354.45	184.75	124.77	211.81	188.45	238.33	238.01	321.87	365.35	817.86
Housefurnishings and equipment ..	1,276.92	601.17	390.16	652.22	561.99	841.98	1,003.22	1,275.81	1,513.41	2,818.20
Household textiles	83.55	27.63	22.88	45.30	42.11	55.89	69.88	67.63	83.40	200.83
Furniture	413.26	193.02	106.29	204.10	166.13	248.11	301.10	378.11	437.43	1,021.50
Floor coverings	49.09	23.10	3.26	29.36	14.56	19.54	36.30	46.18	68.77	119.65
Major appliances	171.32	95.93	81.39	118.86	98.48	129.60	136.19	177.28	225.54	301.15
Small appliances, misc. housewa	58.37	29.76	22.01	29.70	33.23	46.94	49.85	58.39	66.10	116.31
Miscellaneous household equipme	501.33	231.74	154.33	224.90	207.48	341.89	409.91	548.22	632.17	1,058.77
Apparel and services	1,391.83	787.74	553.87	715.29	773.96	991.14	1,191.71	1,305.81	1,622.95	2,852.63
Men and boys	364.02	184.86	134.45	155.44	187.75	262.62	302.12	366.66	427.93	766.94
Men, 16 and over	275.63	145.81	103.04	115.53	134.54	181.56	220.81	287.47	322.41	597.86

TITLE	Total Complete Reporting	Less Than $5,000	$5,000 To $9,999	$10,000 To $14,999	$15,000 To $19,999	$20,000 To $29,999	$30,000 To $39,999	$40,000 To $49,999	$50,000 To $69,999	$70,000 And Over
Boys, 2 to 15	88.39	39.04	31.41	39.90	53.21	81.05	81.32	79.19	105.52	169.08
Women and girls	534.56	345.84	215.20	288.08	317.81	367.76	485.24	508.92	626.79	1,055.34
Women, 16 and over	437.77	292.18	190.47	234.52	257.98	296.54	408.19	403.66	512.10	861.61
Girls, 2 to 15	96.79	53.66	24.72	53.56	59.83	71.22	77.05	105.27	114.69	193.73
Children under 2	75.03	29.14	39.11	52.41	47.48	71.57	69.58	68.40	104.98	113.57
Footwear	138.91	89.98	61.33	86.22	87.52	107.20	126.15	138.60	172.52	244.26
Other apparel products and service	279.32	137.93	103.78	133.14	133.40	181.99	208.60	223.23	290.74	672.53
Transportation	7,510.76	2,983.14	2,600.21	4,349.72	4,598.36	5,722.84	7,250.30	8,621.39	9,624.01	13,221.45
Vehicle purchases (net outlay) ..	3,455.34	952.82	1,174.97	2,264.79	2,107.42	2,545.23	3,379.95	4,260.61	4,407.69	5,966.83
Cars and trucks, new	1,611.67	56.62	490.55	587.82	750.10	1,168.01	1,452.75	1,896.40	1,985.72	3,433.64
New cars	935.98	56.62	267.61	373.52	502.53	798.76	1,016.21	1,010.39	1,261.79	1,716.16
New trucks	675.69	0.00	222.95	214.30	247.57	369.25	436.54	886.01	723.93	1,717.48
Cars and trucks, used	1,804.04	896.21	681.10	1,671.11	1,357.32	1,353.13	1,925.78	2,302.25	2,316.88	2,456.15
Used cars	1,052.96	738.06	428.36	1,009.82	949.51	1,019.64	1,040.52	1,257.43	1,435.01	1,136.55
Used trucks	751.08	158.15	252.74	661.29	407.82	333.48	885.26	1,044.82	881.86	1,319.59
Other vehicles	39.63	0.00	3.32	5.86	0.00	24.09	1.42	61.97	105.09	77.04
Gasoline and motor oil	1,315.89	738.16	526.42	742.38	933.72	1,087.91	1,340.37	1,483.62	1,729.33	2,059.47
Other vehicle expenses	2,302.75	1,035.90	729.19	1,126.53	1,336.46	1,791.17	2,188.56	2,519.37	2,993.36	4,219.04
Vehicle finance charges	337.19	87.25	63.83	120.65	152.39	250.72	339.81	411.18	542.00	594.74
Maintenance and repairs	630.47	321.67	274.33	394.68	421.49	542.07	604.77	671.45	747.32	1,060.82
Vehicle insurance	798.29	359.55	266.98	421.12	539.95	695.43	825.16	927.36	1,051.59	1,270.85
Vehicle rental, leases, license	536.79	267.43	124.05	190.08	222.64	302.95	418.82	509.37	652.45	1,292.63
Public transportation	436.78	256.26	169.64	216.02	220.76	298.53	341.43	357.79	493.63	976.11
Health care	1,971.95	957.63	1,277.25	1,766.01	1,875.03	1,881.67	1,869.11	1,993.80	2,162.47	2,666.01
Health insurance	984.66	503.10	658.17	879.16	928.06	976.85	953.49	1,031.00	1,083.41	1,259.11
Medical services	586.61	251.97	299.72	423.03	416.84	468.83	554.94	581.35	706.71	983.37
Prescription drugs	317.49	174.52	268.60	399.64	467.18	367.73	295.60	300.46	267.93	285.38
Medical supplies	83.18	28.04	50.76	64.17	62.95	68.26	65.08	80.99	104.42	138.15
Entertainment	1,849.34	928.81	613.62	935.06	858.76	1,331.85	1,487.53	1,873.29	2,353.21	3,790.48
Fees and admissions	535.44	271.91	153.54	200.38	207.17	302.69	350.83	417.01	620.42	1,383.39
Television, radios, sound equipmen	645.57	373.36	310.89	420.67	411.94	511.47	613.48	717.05	789.35	1,067.01
Pets, toys, and playground equipme	315.24	127.70	89.56	127.92	158.78	241.10	289.10	326.25	432.19	612.27
Other entertainment supplies, equi	353.09	155.85	59.62	186.09	80.87	276.59	234.11	413.00	511.25	727.81
Personal care products and services	314.08	203.45	160.05	201.96	221.64	256.56	281.22	304.49	380.24	531.50
Reading	155.93	63.54	72.12	80.59	93.21	127.39	137.56	151.40	190.57	293.42
Education	579.35	788.82	365.16	209.12	278.29	260.60	388.25	362.10	622.93	1,395.06
Tobacco products and smoking supplies	331.12	236.95	269.48	275.80	275.62	355.97	353.25	408.97	380.90	326.59
Miscellaneous	741.48	309.70	304.87	380.22	487.41	620.81	702.78	840.15	992.23	1,229.26

TITLE	Total Complete Reporting	Less Than $5,000	$5,000 To $9,999	$10,000 To $14,999	$15,000 To $19,999	$20,000 To $29,999	$30,000 To $39,999	$40,000 To $49,999	$50,000 To $69,999	$70,000 And Over
Cash contributions	1,344.06	422.79	273.52	374.88	985.10	1,250.90	1,125.04	1,003.10	1,269.16	3,151.20
Personal insurance and pensions	4,310.07	330.34	359.06	601.85	1,025.36	1,871.16	3,024.19	4,248.19	6,070.70	11,870.51
Life and other personal insurance	414.92	155.96	106.80	199.00	240.86	311.03	354.09	337.78	500.17	901.25
Pensions and social security	3,895.16	174.38	252.25	402.85	784.50	1,560.13	2,670.10	3,910.42	5,570.53	10,969.26
Money income before taxes	44,596.92	2,362.96	7,606.00	12,302.71	17,312.80	24,460.21	34,312.64	44,222.71	58,706.07	112245.76
Wages and salaries	35,543.77	1,459.36	1,919.13	4,242.66	8,208.68	15,744.59	26,785.52	35,744.51	51,652.10	96,257.37
Self-employment income	2,332.54	-461.64	105.40	203.19	321.37	632.93	965.07	1,959.36	1,752.61	8,785.25
Social Security, private and governme	4,842.65	705.85	4,129.90	6,442.80	7,396.05	6,715.91	5,195.26	4,772.89	3,578.94	3,492.75
Interest, dividends, rental income, o	937.70	33.67	72.91	163.76	264.91	456.23	646.85	934.94	923.97	2,813.50
Unemployment and workers' compensatio	191.83	47.62	84.81	93.85	174.04	289.53	204.37	286.42	215.31	186.16
Public assistance, supplemental secur	309.79	312.98	909.75	753.58	557.60	243.22	180.23	111.06	81.16	89.33
Regular contributions for support ..	307.06	141.16	209.70	227.10	252.21	291.60	248.50	332.40	333.29	473.03
Other income	131.59	123.95	174.39	175.77	137.94	86.21	86.85	81.12	168.69	148.37
Personal taxes	3,107.54	33.63	171.15	67.52	293.91	836.92	1,703.18	2,717.25	4,155.72	10,058.39
Federal income taxes	2,397.26	-0.38	96.42	-31.73	141.94	556.82	1,225.82	2,033.34	3,106.21	8,090.40
State and local income taxes	564.54	9.90	34.57	27.92	58.88	172.32	341.63	519.22	863.83	1,685.92
Other taxes	145.74	24.11	40.16	71.33	93.09	107.78	135.73	164.69	185.68	282.07

VIII. DESCRIPTION OF THE SURVEY

The CE program consists of two separate components, each with its own questionnaire and independent sample:

1) An Interview panel survey in which each CU in the sample is interviewed once every 3 months over five consecutive quarters to obtain a year's worth of data. New panels are initiated every month of the year.

2) A Diary or recordkeeping survey completed by the sample CUs for two consecutive 1-week periods; the sample is surveyed across a 12-month period.

Data are collected by the Bureau of the Census under contract with BLS. All data collected in both surveys are subject to Bureau of the Census confidentiality requirements, which prevent the disclosure of any CU member's identity.

The quarterly Interview survey is designed to collect data on major items of expense which respondents can be expected to recall for 3 months or longer. In practice, the Interview survey collects detailed data on an estimated 60 to 70 percent of total household expenditures. In addition, global estimates are obtained for food and other selected items. These global estimates account for an additional 20 to 25 percent of total expenditures. The Interview survey does not collect expenses for housekeeping supplies, personal care products, and nonprescription drugs, which contribute about 5 to 15 percent of total expenditures. Thus, up to 95 percent of total expenditures are covered in the Interview survey. Household characteristics, income, and financial data are also collected. At BLS, each quarter of data is processed independently from other quarters. Thus the annual estimates published by BLS are not dependent on the participation of a CU for the full five interviews.

The initial interview collects demographic and family characteristics data on a Control Card. These pertain to age, sex, race, marital status, education, and CU relationship for each CU member. This information is updated at each subsequent interview. Expenditures are for the month prior to the interview. They are used along with the inventory information for bounding purposes solely, that is, to prevent the reporting of expenditures from an indefinite past period. Expenditure data from the first interview are not on these files since they are not included in expenditure estimation.

The second through fifth interviews use uniform questionnaires to collect expenditure information from the previous three months. Income information, such as wage, salary, unemployment compensation, child support, and alimony, as well as information on the employment of each CU member age 14 and over, are collected in the second and fifth interviews only.

Income data and employment information collected in the second interview are carried over to the third and fourth interviews. For new CU members and CU members who started work since the previous interview, wage, salary, and other information on employment are collected in the third and fourth interviews. In the fifth interview, a supplement is used to collect information on asset values and changes in balances of assets and liabilities. These data, along with other household characteristics information, permit users to classify sample units for research purposes and allow BLS to adjust population weights for CUs who do not cooperate in the survey.

Each quarter, 20 percent of the sample are new households introduced for the first time. They replace one-fifth of the sample that completed its final interview in the previous quarter. This rotating procedure with overlap is designed to provide more efficient data collection. CUs that move away from their sample address between interviews are dropped from the survey. New CUs that move into the sample address are screened for eligibility and included in the survey. Students living in college- or university-regulated housing report their own expenditures directly, while at school, rather than being considered part of their parents' household.

IX. DATA COLLECTION AND PROCESSING

In addition to its data collection duties, the Bureau of the Census is responsible for field editing and coding, consistency checking, quality control, and data transmittal to BLS. BLS performs additional review and editing procedures in preparing the data for publication and release.

A. BUREAU OF THE CENSUS ACTIVITIES

Data collection activities have been conducted by the Census Bureau on a continuing basis since October 1979. Due to differences in format and design, the Interview survey and the Diary survey data are collected and processed separately. Preliminary Interview survey data processing carried out by the Census Bureau includes keying the data from the questionnaires, clerical data editing, and correcting for inconsistencies in the collected data.

Upon completion by the interviewers, the Interview questionnaires are sent from the regional offices to the Census National Processing Center (NPC) in Jeffersonville, IN. At the NPC, codes are applied to identify demographic characteristics, expenditures, income and assets, and other items such as make and model of automobile and trip destination. Also, missing sections of questionnaires, inconsistencies, and errors are identified and corrected. Prior to microfilming and storage, selected entries from these questionnaires are transcribed to the next quarter's questionnaires to prevent the recording of duplicate reports by respondents. This information is then returned to the regional offices for use by field representatives in subsequent interviews.

After clerical processing at the NPC, the data are transmitted to the Census Processing Center in Suitland, MD, where they pass through basic quality checks of control counts, missing values, etc. The data are then electronically transmitted to BLS in Washington, DC.

B. BUREAU OF LABOR STATISTICS ACTIVITIES

Upon receipt from the Bureau of the Census, the data undergo a series of computer edits that identify and correct irregularities and inconsistencies. Other adjustments eliminate business and reimbursed expenses, apply appropriate sales taxes, and derive CU weights based on BLS specifications. In addition, demographic and work experience items (except income) are imputed when missing or invalid. All data changes and imputations are identified with flags on the Interview data base.

Next, BLS conducts an extensive review to ensure that severe data aberrations are corrected. The review takes place in several stages: a review of counts, weighted means, and unweighted means by region; a review of family relationship coding inconsistencies; a review of selected extreme values for expenditure and income categories; and a verification of the various data transformations.

Cases of extreme data values are investigated by reviewing questionnaires on microfilm. Errors discovered through this procedure are corrected prior to release of the data.

Two major types of data adjustment routines--imputation and allocation--are carried out to classify expenditures and improve estimates. Data imputation routines correct for missing or invalid entries. All fields except income and assets are subject to imputation. Allocation routines are applied when respondents provide insufficient expenditure detail to meet tabulation requirements. For example, reports of combined expenditures for fuels and utilities are allocated among gas, electricity, and other items in this group. While not strictly an allocation routine, another adjustment separates mortgage and vehicle loan payments into principal and interest components using associated data on the interest rate and term of the loan. Another adjustment is done to prepare the data for the production of calendar year estimates. Time adjustment routines are used to classify expenditures by month. Aggregation can then be done at a monthly level, permitting the production of monthly, quarterly, annual, and other interval estimates. To analyze the effects of these adjustments, tabulations are made before and after the data adjustments. At this point, processing activities are completed and the database is ready for use.

X. SAMPLING STATEMENT

A. SURVEY SAMPLE DESIGN

Samples for the CE are national probability samples of households designed to be representative of the total U. S. civilian population. Eligible population includes all civilian noninstitutional persons.

The first step in sampling is the selection of primary sampling units (PSUs), which consist of counties (or parts thereof) or groups of counties. The set of sample PSUs used for the 2000 and 2001 samples is composed of 105 areas. The design classifies the PSUs into four categories:

- 31 "A" certainty PSUs are Metropolitan Statistical Areas (MSA's) with a population greater than 1.5 million.
- 46 "B" PSUs, are medium-sized MSA's.
- 10 "C" PSUs are nonmetropolitan areas that are included in the CPI.
- 18 "D" PSUs are nonmetropolitan areas where only the urban population data will be included in the CPI.

The sampling frame (that is, the list from which housing units were chosen) for the 2000 and 2001 surveys is generated from the 1990 Census of Population 100-percent-detail file. The sampling frame is augmented by new construction permits and by techniques used to eliminate recognized deficiencies in census coverage. All Enumeration Districts (EDs) from the Census that fail to meet the criterion for good addresses for new construction, and all EDs in nonpermit-issuing areas are grouped into the area segment frame. Interviewers are then assigned to list these areas before a sample is drawn.

To the extent possible, an unclustered sample of units is selected within each PSU. This lack of clustering is desirable because the sample size of the Diary Survey is small relative to other surveys, while the intraclass correlations for expenditure characteristics are relatively large. This suggests that any clustering of the sample units could result in an unacceptable increase in the within-PSU variance and, as a result, the total variance.

The Interview Survey is a panel rotation survey. Each panel is interviewed for five consecutive quarters and then dropped from the survey. As one panel leaves the survey, a new panel is introduced. Approximately 20 percent of the addresses are new to the survey each month.

B. COOPERATION LEVELS

The Interview Survey is a rotating panel survey in which approximately 11,000 sample units are contacted each calendar quarter. Allowing for bounding interviews and nonresponse (including vacancies), the number of participating sample units per quarter is targeted at approximately 7,800. Information on 2000 interview participation follows.

The response rate for the 2000 Interview Survey is 80% as shown below

		Eligible housing unit interviews		
Consumer units designated for the survey	Type B or C ineligible cases	Number of potential interviews	Type A nonresponse	Total respondent interviews
47,498	8,752	38,746	7,736	31,010

Type B or C cases are housing units that are vacant, nonexistent, or ineligible for interview. Type A nonresponses are housing units that the interviewers were unable to contact or the respondents refused to participate in the survey. The response rate stated above is based only on the eligible housing units (i.e., the designated sample cases less Type B and Type C ineligible cases).

C. WEIGHTING

Each CU included in the CE represents a given number of CUs in the U.S. population, which is considered to be the universe. The translation of sample families into the universe of families is known as weighting. However, since the unit of analysis for the CE is a CU, the weighting is performed at the CU level. Several factors are involved in determining the weight for each CU for which an interview is obtained. There are four steps in the weighting procedure:

1) The basic weight is assigned to an address and is the inverse of the probability of selection of the housing unit.

2) A weight control factor is applied to each interview if subsampling is performed in the field.

3) A noninterview adjustment is made for units where data could not be collected from occupied housing units. The adjustment is performed as a function of region, housing tenure, family size and race.

4) A final adjustment is performed to adjust the sample estimates to national population controls derived from the Current Population Survey. The adjustments are made based on both the CU's member composition and the CU as a whole. The weight for the CU is adjusted for individuals within the CU to meet the controls for 14 age/race categories, 4 regions, and 4 region/urban categories. The CU weight is also adjusted to meet the control for total number of CUs and total number of CUs who own their living quarters. The weighting procedure uses an iterative process to ensure that the sample estimates meet all the population controls.

NOTE: The weight for a consumer unit (CU) can be different for each quarter in which the CU participates in the survey, as the CU may represent a different number of CUs with similar characteristics.

D. STATE IDENTIFIER

Since the CE is not designed to produce state-level estimates, summing the CU weights by state will not yield state population totals. A CU's basic weight reflects its probability of selection among a group of primary sampling units of similar characteristics. For example, sample units in an urban nonmetropolitan area in California may represent similar areas in Wyoming and Nevada. Among other adjustments, CUs are post-stratified nationally by sex-age-race. For example, the weights of CUs containing a black male, age 16-24 in Alabama, Colorado, or New York, are all adjusted equivalently. Therefore, weighted population state totals will not match population totals calculated from other surveys that are designed to represent state data.

To summarize, the CE sample was not designed to produce precise estimates for individual states. Although state-level estimates that are unbiased in a repeated sampling sense can be calculated for various statistical measures, such as means and aggregates, their estimates will generally be subject to large variances. Additionally, a particular state population estimate from the CE sample may be far from the true state population.

XI. INTERPRETING THE DATA

Several factors should be considered when interpreting the expenditure data. The average expenditure for an item may be considerably lower than the expenditure by those CUs that purchased the item. The less frequently an item is purchased, the greater the difference between the average for all CUs and the average of those purchasing. (See Section V.A.2.b.ii. for MEANS OF THOSE REPORTING.) Also, an individual CU may spend more or less than the average, depending on its particular characteristics. Factors such as income, age of family members, geographic location, taste and personal preference influence expenditures. Furthermore, even within groups with similar characteristics, the distribution of expenditures varies substantially.

Expenditures reported are the direct out-of-pocket expenditures. Indirect expenditures, which may be significant, may be reflected elsewhere. For example, rental contracts often include utilities. Renters with such contracts would record no direct expense for utilities, and therefore, appear to have lower utility expenses. Employers or insurance companies frequently pay other costs. CU with members whose employers pay for all or part of their health insurance or life insurance would have lower direct expenses for these items than those who pay the entire amount themselves. These points should be considered when relating reported averages to individual circumstances.

XII. APPENDIX 1 -- GLOSSARY

<u>Population</u>

The civilian noninstitutional population of the United States as well as that portion of the institutional population living in the following group quarters: Boarding houses, housing facilities for students and workers, staff units in hospitals and homes for the aged, infirm, or needy, permanent living quarters in hotels and motels, and mobile home parks. Urban population is defined as all persons living in a Metropolitan Statistical Area (MSA's) and in urbanized areas and urban places of 2,500 or more persons outside of MSA's. Urban, defined in this survey, includes the rural populations within MSA. The general concept of an MSA is one of a large population nucleus together with adjacent communities that have a high degree of economic and social integration with that nucleus. Rural population is defined as all persons living outside of an MSA and within an area with less than 2,500 persons.

Consumer unit (CU)

A consumer unit comprises either: (1) all members of a particular household who are related by blood, marriage, adoption, or other legal arrangements; (2) a person living alone or sharing a household with others or living as a roomer in a private home or lodging house or in permanent living quarters in a hotel or motel, but who is financially independent; or (3) two or more persons living together who use their income to make joint expenditures. Financial independence is determined by the three major expense categories: housing, food, and other living expenses. To be considered financially independent, at least two of the three major expense categories have to be provided entirely or in part by the respondent.

Reference person

The first member mentioned by the respondent when asked to "Start with the name of the person or one of the persons who owns or rents the home." It is with respect to this person that the relationship of other CU members is determined.

Income before taxes

The combined income earned by all CU members 14 years old or over during the 12 months preceding the interview. The components of income are: Wage and salary income, business income, farm income, Social Security income and Supplemental Security income, unemployment compensation, workmen's compensation, public assistance, welfare, interest, dividends, pension income, income from roomers or boarders, other rental income, income from regular contributions, other income, and food stamps.

Income after taxes

Income before taxes minus personal taxes which includes Federal income taxes, state and local taxes, and other taxes.

Complete income reporters

The distinction between complete and incomplete income reporters is based in general on whether the respondent provides values for major sources of income, such as wages and salaries, self-employment income, and Social Security income. Even complete income reporters may not provide a full accounting of all income from all sources. In the current survey, CUs that report across-the-board zero income are categorized as incomplete reporters.

Geographic regions

CUs are classified by region according to the address at which they reside during the time of participation in the survey. The regions comprise the following States:

Northeast - Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

Midwest - Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

South - Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

West - Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

XIII.APPENDIX 2 -- UNIVERSAL CLASSIFICATION CODE (UCC) TITLES

*L denotes UCCs that could have negative values. Medical care UCCs have negative values if they are reimbursements. Reduction in loan principal UCCs are all negative for programming convenience. However, they are considered positive expenditures in CE publications.

Underlined UCCs represent either a new UCC or a deleted UCC. Please note that new UCCs may not be represented in all quarters. The quarter in which the addition (deletion) occurs is denoted by a leading superscript directly prior to the UCC code. For example, $^{N(D)001}$<u>(UCC)</u> identifies a new (deleted) UCC beginning in Q001.

A. EXPENDITURE UCCS ON MTBI FILE

002120	Other non-health insurance
006001	Total amount owed to creditors, 2nd interview
006002	Total amount owed to creditors, 5th interview
*L 006003	Total amount owed to creditors, 2nd interview, asked first quarter, current year (2000)
*L 006004	Total amount owed to creditors, 5th interview, asked first quarter, current year (2000)
006005	Total amount owed to creditors, 2nd interview, asked first quarter, current year + 1 (2001)
006006	Total amount owed to creditors, 5th interview, asked first quarter, current year +1 (2001)
190901	Food or board, at school and rooming/boarding houses
190902	Catered affairs
190903	Food and non-alc beverages at restaurants, cafes, fast food places on trips
190904	Food and beverages purchased and prepared by CU on trips
200900	Alcoholic beverages at restaurants, cafes, bars on trips
210110	Rent of dwelling
210210	Lodging away from home on trips
210310	Housing for someone at school
210901	Ground rent - owned home
210902	Ground rent - owned vacation home
220121	Homeowners insurance - owned home includeng fire and extended coverage; management fees for property insurance in coops (non-vacation)
220122	Same as 220121 - owned vacation home, vacation coops
220311	Mortgage interest - owned home; portion of management fees for repayment of loans in coops (non-vacation)
220211	Property taxes - owned home; management fees for property taxes in coops (non-vacation)
220212	Same as 220211 - owned vacation home, vacation coops
220312	Same as 220311 - owned vacation home; vacation coops
220313	Interest on home equity loan - owned home
220314	Interest on home equity loan - owned vacation home
220321	Penalty charges on special or lump-sum mortgage payment - owned home
220322	Penalty charges on special or lump-sum mortgage payment - owned vacation home
220512	Cost of supplies purchased for jobs considered addition, alteration, or new construction incl. dwellings and additions being built, finishing basement or attic, remodeling rooms, landscaping, building outdoor patios, driveways, or permanent swimming pools, and insulation - owned home
220513	Same as 220512 - owned vacation home
220611	Contractors' labor and material costs, and cost of supplies rented for jobs considered addition, alteration, or new construction (see 220512) - owned home; management fees for capital improvements in condos and coops (non-vacation)
220612	Built-in dishwasher, garbage disposal, or range hood for jobs considered addition, alteration, or new construction - owned home and vacation home
220615	Same as 220611 - owned vacation home; vacation condos and coops

220616 Installed and non-installed original wall to wall carpeting for owned homes
220901 Parking at owned home; management fees for parking in condos and coops (non-vacation)
220902 Parking at owned vacation home, vacation condos and coops
230112 Contractors labor and material costs, and cost of supplies rented for inside and outside painting and papering for jobs considered replacement or maintenance/repair - owned home; management fees for similar jobs in condos and coops (non-vacation)
230113 Same as 230112 for plumbing or water heating installations and repairs
230114 Same as 230112 for electrical work and heating or air - conditioning jobs (incl. service contracts)
230115 Same as 230112 for roofing, gutters, or downspouts
230117 Built-in dishwasher, garbage disposal, or range hood for jobs considered replacement or maintenance/repair - renter
230118 Same as 230117 - owned home
230121 Contractors' labor and material costs, and cost of supplies rented for repair or replacement of hard surfaced flooring - renter
230122 Contractors' labor and material costs, and cost of supplies rented for repair or replacement of hard surfaced flooring for jobs considered replacement or maintenance/repair- owned home; management fees for similar jobs in condos and coops (non-vacation)
230123 Same as 230122 - owned vacation home; vacation condos and coops
230133 Installed and non-installed replacement wall to wall carpeting for owned homes
230134 Installed and non-installed original wall to wall carpeting for rental homes
230141 Service contract charges and cost of maintenance or repair for built-in dishwasher, garbage disposal, or range hood - renter
230150 Repair or maintenance services (renter)
230151 Other repair or maintenance services (owned)
230152 Repair and remodeling services (owned vacation)
230142 Same as 230141 - owned home and vacation home
230901 Property management fees - owned home; condos and coops (non-vacation)
230902 Same as 230901 - owned vacation home; vacation condos and coops
240111 Cost of paint, wallpaper, and supplies purchased for inside and outside painting and papering - renter
240112 Same as 240111 - for jobs considered replacement or maintenance/repair - owned home
240113 Same as 240112 - owned vacation home
240121 Cost of equipment purchased for inside and outside painting and papering - renter
240122 Same as 240121 - for jobs considered replacement or maintenance/repair - owned home
240123 Same as 240122 - owned vacation home
240211 Cost of supplies purchased for plastering, paneling, roofing and gutters, siding, windows, screens, doors, awnings; portion of cost of supplies purchased for patios, walks, fences, driveways, swimming pools - renter
240212 Cost of supplies purchased for plastering, paneling, siding, windows, screens, doors, awnings for jobs considered replacement or maintenance/repair; portion of cost of supplies purchased for patios, walks, fences, driveways, swimming pools for jobs considered replacement or maintenance/repair - owned home
240213 Cost of supplies purchased for roofing, gutters, or downspouts for jobs considered replacement or maintenance/repair - owned home
240214 Same as 240212-240213 - owned vacation home
240221 Cost of supplies purchased for masonry, brick or stucco work; portion of cost of supplies purchased for patios, walks, fences, driveways, swimming pools - renter
240222 Same as 240221 for jobs considered replacement or maintenance/repair - owned home
240223 Same as 240222 - owned vacation home
240311 Cost of supplies purchased for plumbing or water heating installations and repairs - renter
240312 Same as 240311 for jobs considered replacement or maintenance/repair - owned home
240313 Same as 240312 - owned vacation home
240321 Cost of supplies purchased for electrical work, heating or air conditioning jobs - renter
240322 Same as 240321 for jobs considered replacement or maintenance/repair - owned home
240323 Same as 240322 - owned vacation home

250111 Fuel oil - renter
250112 Fuel oil - owned home; portion of management fees for utilities in condos and coops (non vacation)
250113 Same as 250112 - owned vacation home; vacation condos and coops
250114 Fuel oil - rented vacation property
250211 Gas, bottled or tank - renter
250212 Gas, bottled or tank - owned home
250213 Gas, bottled or tank - owned vacation home
250214 Gas, bottled or tank - rented vacation property
250221 Coal - renter
250222 Coal - owned home
250223 Coal - owned vacation home
250224 Coal - rented vacation property
250901 Wood, kerosene, and other fuels - renter
250902 Wood, kerosene, and other fuels - owned home
250903 Wood, kerosene, and other fuels - owned vacation home
250904 Wood, kerosene, and other fuels - rented vacation property
260111 Electricity - renter
260112 Electricity - owned home; portion of management fees for utilities in condos and coops (non-vacation)
260113 Same as 260112 - owned vacation home; vacation condos and coops
260114 Electricity - rented vacation property
260211 Natural or utility gas - renter
260212 Natural or utility gas - owned home; portion of management fees for utilities in condos and coops (non-vacation)
260213 Same as 260212 - owned vacation home; vacation condos and coops
260214 Natural or utility gas - rented vacation property
270101 Telephone services, excluding mobile car phones
270102 Telephone service for mobile car phones
270211 Water and sewerage maintenance - renter
270212 Water and sewerage maintenance - owned home; portion of management fees for utilities in condos and coops (non-vacation)
270213 Same as 270212 - owned vacation home; vacation condos and coops
270214 Water and sewerage maintenance - rented vacation property
270310 Community antenna or cable TV; portion of management fees for utilities in condos and coops
270411 Trash and garbage collection - renter
270412 Trash and garbage collection - owned home; management fees for trash collection in condos and coops (non-vacation)
270413 Same as 270412 - owned vacation home; vacation condos and coops
270414 Trash and garbage collection - rented vacation property
270901 Septic tank cleaning - renter
270902 Septic tank cleaning - owned home
270903 Septic tank cleaning - owned vacation home
270904 Septic tank cleaning - rented vacation property
280110 Bathroom linens
280120 Bedroom linens
280130 Kitchen and dining room linens
280210 Curtains and drapes
280220 Slipcovers, decorative pillows, and cushions
280230 Sewing materials for slipcovers, curtains, and other home handiwork
280900 Other linens
290110 Mattresses and springs
290120 Other bedroom furniture
290210 Sofas
290310 Living room chairs

290320 Living room tables
290410 All kitchen and dining room furniture
290420 Infants' furniture
290430 Patio, porch, or outdoor furniture
290440 Modular wall units, shelves or cabinets; other living room, family or recreation room furniture including desks
300111 Purchase and installation of refrigerator or home freezer - renter
300112 Purchase and installation of refrigerator or home freezer - homeowner
300211 Purchase and installation of clothes washer - renter
300212 Purchase and installation of clothes washer - homeowner
300221 Purchase and installation of clothes dryer - renter
300222 Purchase and installation of clothes dryer - homeowner
300311 Purchase and installation of cooking stove, range or oven, excl. microwave - renter
300312 Purchase and installation of cooking stove, range or oven, excl. microwave - homeowner
300321 Purchase and installation of microwave oven - renter
300322 Purchase and installation of microwave oven - homeowner
300331 Purchase and installation of portable dishwasher - renter
300332 Purchase and installation of portable dishwasher - homeowner
300411 Window air conditioner - renter
300412 Window air conditioner - homeowner
310110 Black and white TV, and combinations of TV with other items
310120 Color TV console and combinations of TV; large screen color TV projection equipment; color monitor and other items
310130 Color TV (portable and table models)
310210 VCR, video disc player, video camera, and camcorder
310220 Video cassettes, tapes, and discs
310230 TV computers games and computer game software
310311 Radio
310313 Tape recorder and player
310320 Sound components, component systems, and compact disc sound systems
310333 Accessories and other sound equipment including phonographs
310334 Satellite dishes
310341 Compact discs, tapes, videos, or records purchased from a club
310342 Compact discs, tapes, needles, or records not from a club
320111 Carpet squares for owned and rented homes (Non-Permanent)
320120 Venetian blinds, window shades and other window coverings
320130 Infants' equipment
320150 Outdoor equipment
320162 Non-installed wall to wall carpeting (replacement) and carpet squares - homeowner
320163 Installed and non-installed replacement wall to wall carpeting for rental homes
320210 Clocks
320220 Lamps and other lighting fixtures
320231 Other household decorative items
320232 Telephones and accessories
320310 Plastic dinnerware
320320 China and other dinnerware
320330 Stainless, silver and other flatware
320340 Glassware
320350 Silver serving pieces
320360 Serving pieces other than silver
320370 Non-electric cookware
320410 Lawnmowing equipment and other yard machinery
320420 Power tools
320511 Electric floor cleaning equipment
320512 Sewing machines
320521 Small electrical kitchen appliances

320522 Portable heating and cooling equipment
320611 Cost of supplies purchased for insulation and other improvements/repairs; materials and supplies purchased not for any specific job - renter
320612 Cost of supplies purchased for insulation and other improvements/repairs for jobs considered replacement or maintenance/repair; materials and supplies purchased not for any specific job - owned home
320613 Cost of supplies purchased for insulation and other improvements/repairs for jobs considered replacement or maintenance/repair - owned vacation home
320621 Cost of supplies purchased for repair or replacement of hard surfaced flooring - renter
320622 Cost of supplies purchased for repair or replacement of hard surfaced flooring for jobs considered replacement or maintenance/repair - owned home
320623 Same as 320622 - owned vacation home
320631 Cost of supplies purchased for landscaping - renter
320632 Cost of supplies purchased for landscaping for jobs considered replacement or maintenance/repair - owned home
320633 Same as 320632 - owned vacation home
320901 Office furniture for home use
320902 Non-power tools
320903 Fresh flowers or potted plants
320904 Closet storage items
330511 Cost of materials purchased for termite and pest control for jobs considered replacement or maintenance/repair
340211 Babysitting or other child care in your own home
340212 Babysitting or other child care in someone else’s home
340310 Housekeeping service, incl. management fees for maid service in condos
340410 Gardening and lawn care services, incl. management fees for lawn care in coops and condos
340420 Water softening service
340510 Moving, storage, and freight express
340520 Non-clothing household laundry or dry cleaning - not coin-operated
340530 Non-clothing household laundry or dry cleaning - coin-operated
340610 Repair of television, radio, and sound equipment, excluding installed in vehicles
340620 Repair of household appliances, excl. garbage disposal, range hood, and built-in dishwasher
340630 Furniture repair, refinishing, or reupholstering
340901 Rental or repair of equipment and other yard machinery, power and non-power tools
340902 Rental of televisions
340903 Miscellaneous home services and small repair jobs not already specified
340904 Rental of furniture
340905 Rental of VCR, radio, and sound equipment - see 310210, 310311-310330
340906 Care for invalids, convalescents, handicapped or elderly persons in the CU
340907 Rental and installation of household equipment - see 300111-300332
340908 Rental of office equipment for non-business use - see 320232, 690111, 690112, 690210-690230
340910 Adult day care centers
340911 Management fees for security, incl. guards and alarm systems in coops and condos (non-vacation)
340912 Management fees for security, incl. guards and alarm systems in coops and condos (vacation)
340914 Services for termite/pest control maintenance
340915 Service fee expenditures for home security systems
350110 Tenant's insurance
360110 Men's suits
360120 Men's sport coats
360210 Men's coats, jackets, and furs
360311 Men's underwear
360312 Men's hosiery

360320 Men's nightwear
360330 Men's accessories
360340 Men's sweaters and vests
360350 Men's active sportswear
360410 Men's shirts
360511 Men's pants
360512 Men's shorts and shorts sets, excl. athletic
360901 Men's uniforms
360902 Men's other clothing, incl. costumes
370110 Boys' coats, jackets, and furs
370120 Boys' sweaters
370130 Boys' shirts
370211 Boys' underwear
370212 Boys' nightwear
370213 Boys' hosiery
370220 Boys' accessories
370311 Boys' suits, sport coats, and vests
370312 Boys' pants
370313 Boys' shorts and shorts sets, excl. athletic
370902 Boys' other clothing, incl. costumes
370903 Boys' uniforms
370904 Boys' active sportswear
380110 Women's coats, jackets, and furs
380210 Women's dresses
380311 Women's sport coats and tailored jackets
380312 Women's vests, sweaters, and sweater sets
380313 Women's shirts, tops, and blouses
380320 Women's skirts and culottes
380331 Women's pants
380332 Women's shorts and shorts sets, excl. athletic
380340 Women's active sportswear
380410 Women's nightwear
380420 Women's undergarments
380430 Women's hosiery
380510 Women's suits
380901 Women's accessories
380902 Women's uniforms
380903 Women's other clothing, incl. costumes
390110 Girls' coats, jackets, and furs
390120 Girls' dresses and suits
390210 Girls' sport coats, tailored jackets, shirts, blouses, sweaters, sweater sets, and vests
390221 Girls' skirts, culottes, and pants
390222 Girls' shorts and shorts sets, excl. athletic
390230 Girls' active sportswear
390310 Girls' undergarments and nightwear
390321 Girls' hosiery
390322 Girls' accessories
390901 Girls' uniforms
390902 Girls' other clothing, incl. costumes
400110 Men's footwear
400210 Boys' footwear
400220 Girls' footwear
400310 Women's footwear
410110 Infants' coats, jackets, and snowsuits
410120 Infants' dresses and other outerwear
410130 Infants' undergarments, incl. diapers

410140 Infants' sleeping garments
410901 Infants' accessories, hosiery, and footwear
420110 Sewing materials for making clothes
420120 Sewing notions, patterns
430110 Watches
430120 Jewelry
430130 Travel items, including luggage, and luggage carriers
440110 Shoe repair and other shoe services
440120 Apparel laundry and dry cleaning - coin-operated
440130 Alteration, repair, and tailoring of apparel and accessories
440140 Clothing rental
440150 Watch and jewelry repair
440210 Apparel laundry and dry cleaning - not coin-operated
440900 Clothing storage
450110 New cars (net outlay)
450116 Trade-in allowance for new cars
450210 New trucks or vans (net outlay)
450216 Trade-in allowance for new trucks or vans
450220 New motorcycles, motor scooters, or mopeds (net outlay)
450226 Trade-in allowance for new motorcycles, motor scooters, or mopeds
450310 Basic lease charge (car lease)
450311 Charges other than basic lease, such as insurance or maintenance (car lease)
450312 Trade-in allowance (car lease)
450313 Cash down payment (car lease)
450314 Termination fee (car lease)
450410 Basic lease charge (truck/van lease)
450411 Charges other than basic lease, such as insurance or maintenance (truck/van lease)
450412 Trade-in allowance (truck/van lease)
450413 Cash down payment (truck/van lease)
450414 Termination fee (truck/van lease)
460110 Used cars (net outlay)
460116 Trade-in allowance for used cars
460901 Used trucks or vans (net outlay)
460902 Used motorcycles, motor scooters, or mopeds (net outlay)
460907 Trade-in allowance for used trucks or vans
460908 Trade-in allowance for used motorcycles, motor scooters, or mopeds
470111 Gasoline
470112 Diesel fuel
470113 Gasoline on out-of-town trips
470211 Motor oil
470212 Motor oil on out-of-town trips
470220 Coolant/antifreeze, brake & transmission fluids, additives, and radiator/cooling system protectant (not purchased with tune-up)
480110 Tires (new, used or recapped); replacement and mounting of tires, including tube replacement
480213 Vehicle parts, equipment, and accessories
480214 Vehicle audio equipment excluding labor
490110 Body work, painting, repair and replacement of upholstery, vinyl/convertible top, and glass, installation of carpet
490211 Clutch and transmission repair
490212 Drive shaft and rear-end repair
490221 Brake work
490231 Steering or front end repair
490232 Cooling system repair
490311 Motor tune-up
490312 Lubrication and oil changes

490313 Front end alignment, wheel balance and rotation
490314 Shock absorber replacement
490318 Repair tires and miscellaneous repair work, such as battery charge, wash, wax, repair and replacement of windshield wiper, wiper motor, heater, air conditioner, radio and antenna
490319 Vehicle air conditioner repair
490411 Exhaust system repair
490412 Electrical system repair
490413 Motor repair and replacement
490501 Vehicle accessories including labor
490502 Vehicle audio equipment including labor
490900 Auto repair service policy
500110 Vehicle insurance
510110 Automobile finance charges
510901 Truck or van finance charges
510902 Motorcycle finance charges
520110 State and local vehicle registration
520310 Driver's license
520410 Vehicle inspection
520511 Auto rental, excl. trips
520512 Auto rental on out-of-town trips
520521 Truck or van rental, excl. trips
520522 Truck or van rental on out-of-town trips
520531 Parking fees at garages, meters, and lots excl. fees that are costs of property ownership
520532 Parking fees on out-of-town trips
520542 Tolls on out-of-town trips
520550 Towing charges (excl. contracted or pre-paid)
520901 Docking and landing fees for boats and planes
520902 Motorcycle, motor scooter, or moped rental
520903 Aircraft rental
520904 Rental of non camper-type trailer, such as for boat or cycle
520905 Same as 520902 - out-of-town trips
520906 Aircraft rental on out-of-town trips
520907 Rental of boat or non camper-type trailer, such as for boat or cycle on out-of-town trips
530110 Airline fares on out-of-town trips
530210 Intercity bus fares on out-of-town trips
530311 Intracity mass transit fares
530312 Local transportation (excl. taxis) on out-of-town trips
530411 Taxi fares on out-of-town trips
530412 Taxi fares and limousine service (not on trips)
530510 Intercity train fares on out-of-town trips
530901 Ship fares on out-of-town trips
530902 Private school bus
*L 540000 Prescription drugs and medicines (net outlay)
*L 550110 Purchase of eye glasses or contact lenses, incl. kits and equipment, fittings, warranty expenses, and insurance (net outlay)
*L 550320 Purchase of medical or surgical equipment for general use, such as thermometers, needles/syringes, ice bags, heating pads, orthopedic appliances, and blood pressure kits (not including band aids, gauze, cotton rolls/balls) (net outlay)
*L 550330 Purchase of supportive or convalescent medical equipment, such as crutches, wheelchairs, braces, and ace bandages (net outlay)
*L 550340 Hearing aids (net outlay)
*L 560110 Physicians' services (net outlay)
*L 560210 Dental care (net outlay)
*L 560310 Eye exams, treatment or surgery (net outlay)
*L 560330 Lab tests and X-rays (net outlay)
*L 560400 Services by medical professionals other than physicians, nursing services, and therapeutic

treatments (net outlay)
*L 570110 Hospital room and meals (net outlay)
*L 570210 Hospital services other than room, such as operating, recovery, and treatment room, ICU, X-rays, lab tests, medicine, injections, therapy, examinations, transfusions, nursing services, oxygen, and anesthetics (net outlay)
*L 570220 Care in convalescent or nursing home (net outlay)
*L 570230 Other medical care service, such as blood donation, ambulance, emergency room, or outpatient hospital services (net outlay)
570240 Medical care in retirement community
*L 570901 Rental of medical or surgical equipment for general use (net outlay) - see 550320
*L 570903 Rental of supportive and convalescent equipment (net outlay) - see 550330
580111 Traditional fee for service health plan (not BC/BS)
580112 Traditional fee for service health plan (BC/BS)
580113 Preferred provider health plan (not BC/BS)
580114 Preferred provider health plan (BC/BS)
580311 Health maintenance organization (not BC/BS)
580312 Health maintenance organization (BC/BS)
580901 Medicare payment
580903 Commercial Medicare supplement (not BC/BS)
580904 Commercial Medicare supplement (BC/BS)
580905 Other health insurance (not BC/BS)
580906 Other health insurance (BC/BS)
590111 Newspaper subscriptions
590112 Newspapers, non-subscriptions
590211 Magazine subscriptions
590212 Magazines, non-subscription
590220 Books through book clubs
590230 Books not through book clubs
600110 Outboard motor
600121 Boat without motor or non camper-type trailer, such as for boat or cycle (net outlay)
600122 Trailer-type or other attachable-type camper (net outlay)
600127 Trade in allowance for boat without motor or non camper-type trailer, such as for boat or cycle
600128 Trade-in allowance for trailer-type or other attachable-type camper
600132 Boat with motor (net outlay)
600138 Trade-in allowance for boat with motor
600141 Purchase of motorized camper
600142 Purchase of other vehicle
600143 Trade in allowance, motorized camper
600144 Trade in allowance, other vehicle
600210 Ping-Pong, pool tables, other similar recreation room items, general sports equipment, and health and exercise equipment
600310 Bicycles
600410 Camping equipment
600420 Hunting and fishing equipment
600430 Winter sports equipment
600901 Water sports equipment
600902 Other sports equipment
610110 Toys, games, hobbies, tricycles, and battery powered riders
610120 Playground equipment
610130 Musical instruments, supplies, and accessories
610210 Photographic film
610230 Photographic equipment
610320 Pets, pet supplies and medicine for pets
610900 Miscellaneous recreational expenses on out-of-town trips
620111 Membership fees for country clubs, health clubs, swimming pools, tennis clubs, social or

other recreational organizations, civic, service, or fraternal organizations
620112 Membership fees for credit card memberships
620113 Membership fees for automobile service clubs
620121 Fees for participant sports, such as golf, tennis, and bowling; management fees for recreational facilities, such as tennis courts and swimming pools in condos and coops
620122 Fees for participant sports on out-of-town trips
620211 Admission fees for entertainment activities, including movie, theater, concert, opera or other musical series (single admissions and season tickets)
620212 Entertainment expenses on out-of-town trips, including admissions to events, museums and tours
620221 Admission fees to sporting events (single admissions and season tickets)
620222 Admission fees to sporting events on out-of-town trips
620310 Fees for recreational lessons or other instructions
620320 Professional photography fees
620330 Film processing
620410 Pet services
620420 Veterinarian expenses for pets
620903 Miscellaneous entertainment services on out-of-town trips
620904 Rental and repair of musical instruments, supplies, and accessories
620905 Rental and repair of photographic equipment
620906 Rental of all boats and outboard motors
620908 Rental and repair of sports, recreation, and exercise equipment
620909 Rental of all campers on out-of-town trips
620912 Rental of video cassettes, tapes, and discs
620919 Rental of other vehicles on out-of-town trips
620921 Rental of motorized camper
620922 Rental of other RV's
630110 Cigarettes
630210 Cigars, pipe tobacco, and other tobacco products
640130 Wigs, hairpieces, or toupees
640420 Electric personal care appliances
650310 Personal care services for males and females, including haircuts
650900 Rental and repair of personal care appliances
660110 School books, supplies, and equipment for college
660210 Same as 660110 - elementary and high school
660310 Encyclopedia and other sets of reference books
660900 Same as 660110 - day care center, nursery school, and other schools
670110 Tuition for college
670210 Same as 670110 - elementary and high school
670310 Other expenses for day care centers and nursery schools, including tuition
670901 Same as 670110 - other schools
670902 Rentals of books and equipment, and other school-related expenses
680110 Legal fees, excluding real estate closing costs
680140 Funeral, burial or cremation expenses, including limousine and flowers
680210 Safe deposit boxes
680220 Charges for checking accounts and other banking services
680901 Purchase and upkeep of cemetery lots or vaults
680902 Accounting fees
690111 Computers, computer systems, and related hardware for non-business use
690112 Computer software and accessories for non-business use
690113 Repair of computers, computer systems, and related equipment for non-business use
690114 Computer information services
690210 Telephone answering devices
690220 Calculators
690230 Typewriters and other office machines for non-business use
690241 Purchases and rentals of smoke alarms and detectors - renter

690242 Same as 690241 - owned home

690243 Same as 690241 - owned vacation home

690244 Other household appliances - renter

690245 Same as 690244 - homeowner

700110 Life, endowment, annuities, and other insurance policies providing death benefits

710110 Finance charges, excluding mortgage and vehicles

790210 Total purchases at grocery stores

790220 Food and nonalcoholic beverage purchases at grocery stores

790230 Food and nonalcoholic beverage purchases at convenience or specialty stores

790310 Beer and wine for home use

790320 Other alcoholic beverages for home use

790410 Dining out at restaurants, cafeterias, drive-ins, etc. (excluding alcoholic beverages)

790420 Alcoholic beverages at restaurants, cafeterias, drive-ins, etc.

790430 School meals for preschool and school age children

790600 Same as 220111, 1220121, 220211, 220311, 220313, 220321, 210901, 250111-260211, 270211-270904, incl. management fees for these services - other properties; contractors' labor and material costs, and cost of supplies rented for jobs considered replacement or maintenance/repair - other properties; cost of supplies purchased for jobs considered replacement or maintenance/repair, excl. dwellings and additions being built, and termite and pest control - other properties

790610 Contractors' labor and material costs, cost of supplies rented or purchased for jobs considered addition, alteration or new construction - other properties

790611 Same as 220612 - other properties

790620 Management fees for capital improvements - other properties

790630 Special assessments for services and capital improvements - other properties

790640 Same as 790620 for management, security, and parking - other properties

790690 Cost of supplies purchased for dwellings and additions being built, finishing basement or attic, remodeling rooms, building outdoor patios, driveways, or permanent swimming pools - jobs not yet started - renter

790710 Purchase price of property excluding cost of common areas - other properties

790730 Closing costs - other properties

*L 790810 Selling price or trade-in value - other properties

[D001]790820 Principal amount of trust holding for new purchaser - other properties

790830 Total selling expenses - other properties

*L 790910 Special or lump-sum mortgage payments - other properties

*L 790920 Reduction of mortgage principal - other properties

790930 Original mortgage amount (mortgage obtained during current quarter's interview) - other properties

790940 Reduction of principal on lump sum home equity loan - other properties

790950 Original amount of lump sum home equity loan - other properties (loan obtained during current quarter's interview)

800111 Alimony monthly (Section 19 of questionnaire)

800121 Child support monthly (Section 19 of questionnaire)

800700 Meals received as pay

800710 Rent received as pay

800721 Market value of owned home

800803 Money given to non-CU members, charities, and other organizations

810101 Purchase price of property excluding cost of common areas - owned home

810102 Purchase price of property excluding cost of common areas - owned vacation home

810301 Closing costs - owned home

810302 Closing costs - owned vacation home

810400 Trip expenses for persons outside the CU

*L 820101 Selling price or trade-in value - owned home

*L 820102 Selling price or trade-in value - owned vacation home

[D001]820201 Principal amount of trust holding for new purchaser - owned home

[D001]820202 Principal amount of trust holding for new purchaser - owned vacation home

820301 Total selling expenses - owned home
820302 Total selling expenses - owned vacation home
*L 830101 Special or lump-sum mortgage payments - owned home
*L 830102 Special or lump-sum mortgage payments - owned vacation home
*L 830201 Reduction of mortgage principal - owned home; portion of management fees for repayment of loans in coops (non-vacation)
*L 830202 Same as 830201 - owned vacation home; vacation coops
*L 830203 Reduction of principal on lump sum home equity loan - owned home
*L 830204 Reduction of mortgage principal, lump sum home equity loan - owned vacation home
830301 Original mortgage amount (mortgage obtained during current quarter's interview) - owned home
830302 Original mortgage amount (mortgage obtained during current quarter's interview) - owned vacation home
830303 Original amount of lump sum home equity loan (loan obtained during current quarter's interview) - owned home
830304 Original amount of lump sum home equity loan (loan obtained during current quarter's interview) - owned vacation home
840101 Amount for special assessment for roads, streets, or similar purposes not included in property tax - owned home
840102 Amount for special assessment for roads, streets, or similar purposes not included in property tax - owned vacation home
*L 850100 Reduction of principal on vehicle loan
850200 Amount borrowed excluding interest on vehicle loan
850300 Finance charges on other vehicles
*L 860100 Amount automobile sold or reimbursed
*L 860200 Amount truck or van sold or reimbursed
*L 860301 Amount motorized camper sold or reimbursed
*L 860302 Amount other vehicle sold or reimbursed
*L 860400 Amount trailer-type or other attachable-type camper sold or reimbursed
*L 860500 Amount motorcycle, motor scooter, or moped sold or reimbursed
*L 860600 Amount boat with motor sold or reimbursed
*L 860700 Amount boat without motor or non camper-type trailer, such as for or cycle sold or reimbursed
870101 New cars, trucks, or vans (net outlay), purchase not financed
870102 Cash downpayment for new cars, trucks, or vans, purchase financed
870103 Finance charges on loans for new cars, trucks, or vans
870104 Principal paid on loans for new cars, trucks, or vans
870201 Used cars, trucks, or vans (net outlay), purchase not financed
870202 Cash downpayment for used cars, trucks, or vans, purchase financed
870203 Finance charges on loans for used cars, trucks, or vans
870204 Principal paid on loans for used cars, trucks, or vans
870301 Motorcycles, motor scooters, or mopeds (net outlay), purchase not financed
870302 Cash downpayment for motorcycles, motor scooters, or mopeds, purchase financed
870303 Finance charges on loans for motorcycles, motor scooters, or mopeds
870304 Principal paid on loans for motorcycles, motor scooters, or mopeds
870401 Boat without motor or non camper-type trailer, such as for boat or cycle (net outlay), purchase not financed
870402 Cash downpayment for boat without motor, or non camper-type trailer, such as for boat or cycle, purchase financed
870403 Finance charges on loans for boat without motor or non camper- type trailer, such as for boat or cycle
870404 Principal paid on loans for boat without motor, or non camper-trailer, such as for boat or cycle
870501 Trailer-type or other attachable-type camper (net outlay), purchase not financed
870502 Cash downpayment for trailer-type or other attachable-type camper, purchase financed
870503 Finance charges on loans for trailer-type or other attachable-type camper
870504 Principal paid on loans for trailer-type or other attachable-type camper

870605 Purchase of motorized camper, not financed
870606 Principal, motorized camper, financed
870607 Interest, motorized camper, financed
870608 Downpayment, motorized camper, financed
870701 Boat with motor (net outlay), purchase not financed
870702 Cash downpayment for boat with motor, purchase financed
870703 Finance charges on loans for boat with motor
870704 Principal paid on loans for boat with motor
870801 Purchase of other vehicle, not financed
870802 Principal, other vehicle, financed
870803 Interest, other vehicle, financed
870804 Downpayment, other vehicle, financed
880110 Interest on line of credit home equity loan - owned home
*L 880120 Reduction of principal on line of credit home equity loan - owned home
880210 Interest on line of credit home equity loan - other properties
*L 880220 Reduction of principal on line of credit home equity loan - other properties
880310 Interest on line of credit home equity loan - owned vacation home
*L 880320 Reduction of principal on line of credit home equity loan - owned vacation home
910050 Rental equivalence of owned home
910100 Rental equivalence of owned vacation home
990900 Rental and installation of dishwasher, disposal, and range hood
990920 Cost of supplies purchased for dwellings and additions being built, finishing basement or attic, remodeling rooms, or building outdoor patios, walks, fences, driveways or swimming pools - renter
990930 Cost of supplies purchased finishing basement or attic, remodeling rooms or building outdoor patios, walks, fences, driveways or swimming pools for jobs considered maintenance/repair - owner
990940 Same as 990930 - owned vacation home
990950 Contractors' labor and material costs, and cost of supplies rented for dwellings and additions being built - other properties

B. INCOME AND RELATED UCCS ON ITBI FILE

001000 Purchase price of stocks, bonds, or mutual funds including broker fees
*L 001010 Sale price of stocks, bonds, and mutual funds, net
001210 Investments to farm or business
*L 001220 Assets taken from farm and business
*L 002010 Change in savings account
*L 002020 Change in checking account
*L 002030 Change in amount held in U.S. savings bonds
*L 003000 Change in money owed to CU
*L 003100 Amount received in settlement on surrender of insurance policies
800112 Alimony annual (Section 22 of questionnaire)
800122 Child support annual (Section 22 of questionnaire)
800801 Cash contributions for support to persons not in the CU
800802 Cash contributions to college students
800810 Gifts in the form of cash, bonds, or stocks to persons not in the CU
800820 Contributions to charities, such as United Way and red cross
800830 Contributions to churches or other religious organizations
800840 Contributions to educational organizations
800850 Contributions to political organizations
800860 Contributions to other organizations
800910 Payroll deductions for government retirement

800920 Payroll deductions for railroad retirement
800931 Payroll deductions for private pensions
800932 Non-payroll deposit to individual retirement plan
800940 Payroll deductions for Social Security
900000 Wages and salaries
900001 Occupational expenses such as union dues, tools, uniforms, business or professional association dues, licenses or permits
*L 900010 Net business income
*L 900020 Net farm income
900030 Social Security and railroad retirement income
900040 Pensions and annuities
900050 Dividends, royalties, estates or trusts
*L 900060 Income from roomers and boarders
*L 900070 Other rental income
900080 Interest from savings accounts or bonds
900090 Supplemental security income
900100 Unemployment compensation
900110 Workers' compensation and veterans payments including education
900120 Public assistance or welfare including money received from job training grants such as Job Corps
900131 Child support payments received (regular)
900132 Other regular contributions received including alimony
900140 Other income including money received from care of foster children, cash scholarships and fellowships or stipends not based on working
900150 Food stamps
910000 Lump sum payments from estates, trusts, royalties, alimony, child support, prizes or games of chance or from persons outside CU
910010 Money from sale of household furnishings, equipment, clothing, jewelry, pets or other belongings, excluding the sale of vehicles or property
910020 Overpayment on Social Security
910030 Refund from insurance policies
910040 Refunds from property taxes
910041 Lump sum child support payments received
920010 Market value of savings accounts
920020 Market value of checking accounts, brokerage accounts and other similar accounts
920030 Market value of U.S. savings bonds
920040 Market value of stocks, bonds, mutual funds and other such securities
950000 Federal income tax
*L 950001 Federal income tax refunds
950010 State and local income tax
*L 950011 State and local income tax refunds
950021 Other taxes
950022 Personal property taxes
*L 950023 Other tax refunds
*L 980000 Income before taxes
980010 Family size
980020 Age of reference person
980030 Number of earners
980040 Number of vehicles
980050 Number of persons under 18
980060 Number of persons 65 and over
*L 980070 Income after taxes
980090 Percent homeowner
980210 Percent male reference person
980220 Percent female reference person
980230 Percent homeowner with mortgage

980240 Percent homeowner without mortgage
980250 Percent homeowner, mortgage not reported
980260 Percent renter
980270 Percent black reference person
980280 Percent non-black reference person
980290 Percent reference person with elementary education
980300 Percent reference person with high school education
980310 Percent reference person with college education
980320 Percent reference person with no education/other
980330 Percent vehicle owner
980340 Percent of CUs with at least one leased auto, truck, or van
980350 Percent of CUs with at least one owned or leased vehicle
980360 Number of vehicles leased

XIV.APPENDIX 3 -- UCC AGGREGATION

The following shows the UCC aggregation used in the sample program. This information is provided on the AGGregation and LABel files (Section III.F.6. PROCESSING FILES). New and used aircraft purchases are not on the microdata files for confidentiality reasons. They are included in the published CE tables so transportation estimates based on these data may vary slightly from BLS published tables.

TOTAL EXPENDITURES
002120, 190901-220322, 220901-450110, 450210, 450220, 450310, 450313-450410, 450413-450414, 460110, 460901-460902, 470111-600122, 600132, 600141, 600142, 600210-710110, 790220-790600, 790690, 800700-800710, 800801, 800810-800920 880110, 880210, 880310, 990920-990940
FOOD
190901-190904, 790220-790230, 790410, 790430, 800700
Food at home
190904, 790220-790230
Food away from home
190901-190903, 790410, 790430, 800700
ALCOHOLIC BEVERAGES
200900, 790310-790320, 790420
HOUSING
210110-220322, 220901-270214, 270411-300412, 320111, 320163, 340530, 340620-340901, 340903-340904, 340906-350110, 430130, 670310, 690111-690245, 790690, 800710, 880110, 880310, 990920-990940
SHELTER
210110-220322, 220901-230115, 230121-230123, 230141-240323, 320611-320633, 340911-340913, 340915-350110, 790690, 800710, 880110, 880310, 990940
OWNED DWELLINGS
210901, 220121, 220211, 220311, 220313, 220321, 220901, 230112-230115, 230122, 230142, 230151, 230901, 240112, 240122, 240212-240213, 240222, 240312, 240322, 320612, 320622, 320632, 340911, 880110, 990930
Mortgage interest
220311, 220313, 220321, 880110
Property taxes
220211

Maintenance, repairs, insurance, and other expenses
210901, 220121, 220901, 230112-230115, 230122, 230142, 230151 230901, 240112, 240122, 240212-240213, 240222, 240312, 240322, 320612, 320622, 320632, 340911, 990930
RENTED DWELLINGS
210110, 230121, 230141, 230150, 240111, 240121, 240211, 240221, 240311, 240321, 320611, 320621, 320631, 350110, 790690, 800710, 990920
OTHER LODGING
210210, 210310, 210902, 220122, 220212, 220312, 220314, 220322, 220902, 230123, 230152, 230902, 240113, 240123, 240214, 240223, 240313, 240323, 320613, 320623, 320633, 340912, 880310, 990940
UTILITIES, FUELS AND PUBLIC SERVICES
250111-270214, 270411-270904
Natural gas
260211-260214
Electricity
260111-260114
Fuel oil and other fuels
250111-250904
Telephone
270101, 270102
Water and other public services
270211-270214, 270411-270904
HOUSEHOLD OPERATIONS
330511, 340211-340530, 340620-340901, 340903, 340906-340908, 340914- 340915, 670310, 690113-690114
Personal services
340211, 340212, 340906, 340910, 670310
Other household expenses
330511, 340310, 340410-340420, 340510-340530, 340620-340630, 340901, 340903, 340907-340908, 340914- 340915, 690113-690114
HOUSEFURNISHINGS AND EQUIPMENT
230117-230118, 230133-230134, 280110-300412, 320111- 320522, 320901-320904, 340904, 430130, 690111-690112, 690210-690245
Household textiles
280110-280900
Furniture
290110-290440
Floor coverings
230133-230134, 320111, 320163
Major appliances
230117-230118, 300111-300412, 320511-320512
Small appliances, misc. housewares
320310-320370, 320521-320522,
Miscellaneous household equipment
320120-320150, 320210-320232, 320410-320420, 320901-320904, 340904, 430130, 690111-690112, 690210-690245
APPAREL AND SERVICES
360110-430120, 440110-440900
Men and boys
360110-370904
Men, 16 and over
360110-360902
Boys, 2 to 15
370110-370904
Women and girls

380110-390902
Women, 16 and over
380110-380903
Girls, 2 to 15
390110-390902
Children under 2
410110-410901
Footwear
400110-400310
Other apparel products and services
420110-430120, 440110-440900
TRANSPORTATION
450110, 450210, 450220, 450310, 450313-450314, 450410, 450413-450414, 460110, 460901-460902, 470111-520550, 520902-520903, 520905-520906, 530110-530902, 620113, 850300
Cars and trucks, new (net outlay)
450110, 450210
Cars and trucks, used (net outlay)
460110, 460901
Other vehicles
450220, 460902
Vehicle finance charges
510110-510902, 850300
Gasoline and motor oil
470111-470212
Maintenance and repairs
470220-490900
Vehicle insurance
500110
Public transportation
530110-530902
Vehicle rental, licenses, and other charges
450310, 450313-450314, 450410, 450413-450414, 520110-520550, 520902-520903, 520905-520906, 620113
HEALTH CARE
540000-580902
Health insurance
580110-580902
Medical services
560110-570240
Prescription drugs and medical supplies
540000-550340, 570901, 570903
ENTERTAINMENT
270310, 310110-310342, 340610, 340902, 340905, 520901, 520904, 520907, 600110-600122, 600132, 600141, 600142, 600210-620111 620121-620922
Fees and admissions
610900-620111, 620121-620310, 620903
Televisions, radios, and sound equipment
270310, 310110-310342, 340610, 340902, 340905, 610130, 620904, 620912
Other equipment and services
520901, 520904, 520907, 600110-600122, 600132, 600141, 600142, 600210-610120, 610210-610320, 620320, 620330-620420, 620905-620909, 620919-620922
PERSONAL CARE
640130-640420, 650310
READING
590111-590230, 660310
EDUCATION

660110-660210, 660900-670210, 670901-670902
TOBACCO AND SMOKING SUPPLIES
630110-630210
MISCELLANEOUS
620112, 680110-680902, 710110, 790600, 880210, 900001
CASH CONTRIBUTIONS
800801, 800810-800860
PERSONAL INSURANCE AND PENSIONS
002120, 700110, 800910-800940
LIFE AND OTHER PERSONAL INSURANCE
002120, 700110
RETIREMENT, PENSIONS, SOCIAL SECURITY
800910-800940

XV. APPENDIX 4 -- PUBLICATIONS AND DATA RELEASES FROM THE CONSUMER EXPENDITURE SURVEY

A partial list of publications containing data from the CE program appears below. Bulletins may be purchased from the Chicago regional sales center, from the U.S. Government Printing Office, Washington D.C., 20402, or from National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. To place a telephone order with National Technical Information Service, call (703)-487-4650, or for a rush order, call 1(800)-553-NTIS.

Consumer Expenditures in 2000, Report 958 (2002)	Consumer unit income and expenditures, integrated data from Diary and Interview Surveys, classified by consumer unit characteristics. 10 tables. Available on request (202)691-6900.
Consumer Expenditure Survey, 1998-99, Report 955	Consumer unit income and expenditures, integrated data from Interview and Diary Surveys, classified by consumer unit characteristics: one way and cross tabulations, relative and aggregate shares. 64 tables.
Consumer Expenditures in 1999, Report 949 (2001)	Consumer unit income and expenditures, integrated data from Diary and Interview Surveys, classified by consumer unit characteristics. 10 tables. Available on request (202)691-6900.
Consumer Expenditures in 1998, Report 940 (2000)	Consumer unit income and expenditures, integrated data from Diary and Interview Surveys, classified by consumer unit characteristics. 10 tables. Available on request (202)691-6900.
Consumer Expenditure Survey, 1996-97, Report 935 (September 1999)	Consumer unit income and expenditures, integrated data from Interview and Diary Surveys, classified by consumer unit characteristics: one way and cross tabulations, relative and aggregate shares. 64 tables.
Consumer Expenditures in 1997, Report 927 (1999)	Consumer unit income and expenditures, integrated data from Diary and Interview Surveys, classified by consumer unit characteristics. 10 tables. Available on request (202)691-6900.

For information on the availability of prior publications, please contact us at (202)691-6900 or e-mail us at CEXinfo@bls.gov.

Consumer Expenditure Survey Data on the Internet
CE reports and data tables can be found on-line at http://www.bls.gov/cex/home.htm.
The following One-Year, Mid-Year and Two-Year Tables of integrated Diary and Interview data are available under the Tables Created by BLS heading:

One-Year Tables
Standard Tables from 1984-2011 Expenditure Shares Tables from 1998-2011
Aggregate Expenditure Shares Tables from 1998-2012
Combined Expenditure, Share and Standard Error Tables from 2012

Mid-Year Tables (July 20xx – June 20xy, where xy= xx+1)
Combined Expenditure, Share and Standard Error Tables from 2011-12

Two-Year Tables
Cross-Tabulated Tables from 1986-2012
Metropolitan Statistical Area Tables from 1986-2012
Region Tables from 1998-2012
High Income Tables from 1998-2002

Multi-Year Tables for 1984-1992 and 1994-2012

CDs and Free Online Data
The data releases are to be made available online in reverse chronological order, starting with the 2010 data release in July 2012, with prior years appearing incrementally until the 1996 data release is posted. Post-1995 data releases will remain available on CD for purchase until posted online. Please see PUMD on CD for ordering information. Pre-1996 PUMD will continue to only be available on CD for purchase.

For information and downloading of past PUMD releases, please visit the links below. Multiple zip files can also be downloaded at one time. Please see Instructions for Downloading Consumer Expenditure Survey (CE) Microdata and Documentation for information on downloading the files.
Public Use Microdata that are not available online must be purchased through the Bureau of Labor Statistics Division of Financial Planning and Management. To purchase CDs by check or charge, print and complete the order form (PDF) and return it with payment to: Bureau of Labor Statistics Division of Financial Planning and Management, Room 4135, 2 Massachusetts Avenue, NE Washington, DC 20212-0001. Phone (202) 691-7794, Fax (202) 691-7796.

CE microdata on CD are available from the Bureau of Labor Statistics for 1972-73, 1980-81, 1990-91, 1992-93, and for each individual year after 1993 (excluding those years which are currently available for free download online). The 1980-81 through 2012 releases contain Interview and Diary data, while the 1972-73 CD includes Interview data only. The 1980-81, and the 1990 files (of the 1990-91 CD) include selected EXPN data, while the 1991 files (from the 1990-91 CD) and the 1992-93 CD do not. In addition to the Interview and Diary data, the CDs from 1994-2004 include the complete collection of EXPN files. A 1984-94 “multi-year” CD that presents Interview FMLI file data is also available. In addition to the microdata, the CDs also contain the same integrated Diary and Interview tabulated data (1984-2009) that are found on the Consumer Expenditure Survey web site (http://www.bls.gov/cex).

More information on the particular CDs available and the order form can be found on the Consumer Expenditure Survey web site: http://www.bls.gov/cex/pumdhome.htm#order

State Codes
Addendum files containing state codes from 1980 to 1992 are available for the Interview Survey by request. The files contain the variables NEWID and STATE, thus enabling the microdata user to identify the states in which consumer units reside. Caution should be exercised when analysis is done by state, due to the composition of some PSUs. PSUs in some state border areas may not be unique to one state,

but may contain CUs from two or more states (see Section X.D. State Identifier). Also, because of nondisclosure requirements STATE has been suppressed for some sampled CUs (see Section IV.A. CU Characteristics and Income File (FMLI)). The state data files are free and may be obtained by contacting the BLS national office.

XVI. INQUIRIES, SUGGESTIONS, AND COMMENTS

If you have any questions, suggestions, or comments about the survey, the microdata, or its documentation, please call (202) 691-6900 or email cexinfo@bls.gov.

Written suggestions and comments should be forwarded to:

Division of Consumer Expenditure Surveys
Branch of Information and Analysis
Bureau of Labor Statistics, Room 3985
2 Massachusetts Ave. N.E.
Washington, DC. 20212-0001

The Bureau of Labor Statistics will use these responses in planning future releases of the microdata.