

## **CONSUMER EXPENDITURE SURVEY**

### **Family-Level Extracts, 1980:1 -1998:2**

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#### **Abstract**

This document describes an on-going data set extraction effort initiated by John Sabelhaus and continued by Ed Harris, both of the Congressional Budget Office. The annual “family-level” data files described here (available on the National Bureau of Economic Research (NBER) web site, [www.nber.org](http://www.nber.org)) are the result of linking the four quarterly interviews for each Consumer Expenditure Survey (CE) respondent family. The processed data also collapses the hundreds of spending, income, and wealth categories into a consistent set of categories across all the years, so the data is useful for studying changes in household spending over time. These categories are cross-referenced with comparable National Income and Product Account (NIPA) values, so users of the data can assess the extent to which aggregate trends and cycles are captured in the micro CE data. Finally, there is a brief description of the FORTRAN 90 programs used to process the data for users who wish to create their own category decomposition over time.

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## I. Overview

This document describes two sets of Consumer Expenditure Survey (CE) extract data sets for the survey cohorts that entered their first interview in the quarters 1980:1 through 1998:2. The first set of seventy files (FFILE801, FFILE802,..., FFILE982) contains consumer unit information on expenditures, income, wealth, and basic household demographics. The second set of seventy files (MFILE801, MFILE802,..., MFILE982) contains additional consumer unit member earnings and demographic information. Files are not available for the quarters 1985:3, 1985:4, 1995:3, 1995:4. The CE sampling frame was changed in 1986 and 1996, and families that entered the survey in the two quarters preceding the change cannot be tracked across a full year.

The data extracts here use information from all four of the main public-use files available for each quarter: the family (FMLY) file, member (MEMB) file, detailed expenditure (MTAB) file, and detailed income (ITAB) file. The goal of producing these extracts is to have condensed versions of the original data where the organization is consistent over time. The data sets have been used for studying trends in saving over time, the distributional implications of consumption taxes, and other research involving the joint distribution of expenditures and income.<sup>1</sup>

Several adjustments are made to the raw CE data in creating the extract data sets. There are approximately 600 detailed spending, income and wealth items (identified by "UCC codes")

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<sup>1</sup>Barry Bosworth, Gary Burtless, and John Sabelhaus (1991), "The Decline in Saving: Some Microeconomic Evidence." *Brookings Papers on Economic Activity*, 1:1991, pp. 183-256. John Sabelhaus (1993), "What is the Distributional Burden of Taxing Consumption?" *National Tax Journal*, 46:3, 331-344 (September). Jagadeesh Gokhale, Laurence J. Kotlikoff, and John Sabelhaus (1996), "Understanding the Post-War Decline in U.S. Saving: A Cohort Analysis." *Brookings Papers on Economic Activity*, 1:1996, pp. 315-407. For a general assessment about using the CE data for studying the joint distribution of consumption and income, see John Sabelhaus (1998) "Using the Consumer Expenditure Survey to Study Saving

in the interview survey. These are aggregated into 109 income, expenditure, and wealth categories (See Section V.) in the extract files, so some of the original detail is sacrificed for manageability. The aggregation is aimed at (1) calibrating the data to National Income Account (NIA) aggregates, and (2) measuring household saving using both residual and change in net worth methods (See Sections IV and VI). The change in UCC codes over time is reflected in the aggregation procedure, i.e., the 109 categories are consistent over all seventy data sets.

CE Interview data is collected and processed on a quarterly basis. Any Consumer Unit (CU) can be in the CE for up to four consecutive quarters. The four possible quarterly records for each family are matched to create one annual record for the household -- this is the basic sampling unit in the extract data sets. Households who show up in only one quarter have the same "family record" structure as one that responds all four quarters. The variable FULLYR is used to distinguish households who respond in all four quarters from those who do not.

The annual structure for the extract files leads to a slightly different presentation of the income data than on the original CE data files. Families are asked about their income "over the last twelve months" in their first and last interview, and asked about expenditures "over the last three months" in each of their four interviews. The income answers which chronologically correspond to the expenditures are those from the fourth interview: because of its quarterly processing approach, BLS actually puts the first interview income answers on the first three sets of quarterly files. On the extract files, the first-survey income answers are retained in the LAGINC array.

There are two sample sizes for each quarter reported in Section VII. The first entry is the number who begin the interview process in that quarter, generally about 1,500. The second entry

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and Wealth Accumulation," Congressional Budget Office (May).

is the usable sample, who have to meet three other criteria. First, the respondents must have met the BLS "complete income reporter" requirement. Second, the household must have completed all four quarterly interviews (see description above, variable FULLYR). Finally, student households are dropped. Excluding households using the above criteria (about half) introduces substantial attrition bias, most notably, young renters tend not to complete the survey. Therefore, an attrition adjustment based on six age groups and renter/homeowner status is used to reweight the sample. These ratios are reported along with the sample sizes in Section VII.

## II. Extract Data Sets Record Layout

This section shows the fixed-format layout for both data sets. The notation is from FORTRAN; "I" means integer, "A" means character, and "F" means a real variable with decimal places indicated by the number to the right of the decimal point.

### A. Family Records

Variable	Type	Position
NEWID	I7	1-7
BLSURBN	A1	8
REGION	A1	9
CUTENUR	A1	10
GOVHOUS	A1	11
PUBHOUS	A1	12
REPSTAT	A1	13
SREPSTAT	A1	14
INTMO	A2	15-16
INTYR	A2	17-18
TOTWT	F11.3	19-29
ADJWT	F11.3	30-40
FULLYR	I1	41
NUMEARN	F4.1	42-45
NUMAUTO	F4.1	46-49
VEHQ	F4.1	50-53
FAMSIZE	F4.1	54-57
MEMBCNT	I2	58-59
VAR(109)	109F10.2	60-1149
LAGINC(22)	22F10.2	1150-1369
REPFLAG(109)	109A1	1370-1478



## B. Member Records

Variable	Type	Position
NEWID	I7	1-7
AGE	I3	8-10
RELATION	A1	11
EDUC	A2	12-13
RACE	A1	14
SEX	A1	15
WEEKSIN	I2	16-17
EMPLCONT	A1	18
INCOLL	A1	19
NONWORK	A1	20
MARITAL	A1	21
EMPSTAT	A1	22
EMPTYTYPE	A1	23
HRSWKD	I3	24-26
WKSWKD	I2	27-28
OCCUP	A2	29-30
INDUST	A2	31-32
MEMBINC(12)	12I10	33-152
LMEMBINC(12)	12I10	153-272

### III. Matched Data Set Variable Descriptions and Possible Values

#### A. Family Records

##### 1. Original CE ID Number (NEWID)

Beginning Record Position: 1  
Type of Variable: I7  
Possible Values: Unique 1986:1+

##### 2. Urban Household Identifier (BLSURBN)

Beginning Record Position: 8  
Type of Variable: A1  
Possible Values: 1=urban, 2=rural.

##### 3. Region of Country (REGION)

Beginning Record Position: 9  
Type of Variable: A1  
Possible Values: 1=northeast, 2=midwest, 3=south, 4=west, blank for rural.

##### 4. Housing Tenure Indicator (CUTENUR)

Beginning Record Position: 10  
Type of Variable: A1  
Possible Values: 1=homeowner w/ mortgage, 2=homeowner w/o mortgage, 3=homeowner, mortgage unknown, 4=renter, 5=occupied w/o payment, 6=student.

##### 5. Government Housing Support Indicator (GOVHOUS)

Beginning Record Position: 11  
Type of Variable: A1  
Possible Values: 1=yes, govt is paying part of housing cost, 2=no, govt is not paying part of cost.

##### 6. Public Housing Indicator (PUBHOUS)



Beginning Record Position: 12  
Type of Variable: A1  
Possible Values: 1=yes, public housing, 2=no, not public housing.

#### 7. Income Response Status (REPSTAT)

Beginning Record Position: 13  
Type of Variable: A1  
Possible Values: 1=complete income reporter, 2=incomplete income reporter.

#### 8. "Super" Income Response Status (SREPSTAT)

Beginning Record Position: 14  
Type of Variable: A1  
Possible Values: 1=complete income reporter, 2=incomplete income reporter.

This variable was created to assign a complete income reporting status in the 1980s which is more stringent than that set by BLS. If REPSTAT=2, then SREPSTAT=2. In addition, each of the 21 income and tax variables (in VAR(109) list; see REPFLAG(109) below) was checked to see how it was flagged on the FMLY record. If any of the four quarterly values for any income variable is B=invalid non-response or C=don't know, refusal, then SREPSTAT=2.

#### 9. Month of Beginning Interview (INTMO)

Beginning Record Position: 15  
Type of Variable: A2  
Possible Values: 01 through 12

#### 10. Year of Beginning Interview (INTYR)

Beginning Record Position: 17  
Type of Variable: A2  
Possible Values: 80 through 92

#### 11. Consumer Unit Sampling Weight (TOTWT)

Beginning Record Position: 19  
Type of Variable: F11.3

This variable is the result of summing the original quarterly weights.

#### 12. Sample Weight, Attrition Adjusted (ADJWT)

Beginning Record Position: 30  
Type of Variable: F11.3

This variable is an adjusted version of TOTWT, reflecting differences in attrition (leaving sample or not answering income questions) across age and homeownership status. The attrition factors are shown in Appendix 3.

The relationship between TOTWT and ADJWT is this. Using TOTWT to weight the entire sample and ADJWT to weight the (FULLYR=1/REPSTAT=1) sample will yield the same overall population estimates.

#### 13. Full Year Indicator (FULLYR)

Beginning Record Position: 41  
Type of Variable: I1  
Possible Values: 1=in sample four quarters, 0=missing one or more

#### 14. Number of Full/Part Time Earners in Consumer Unit (NUMEARN)

Beginning Record Position: 42  
Type of Variable: F4.1

NOTE: Non-integer because averaged over the four quarters.

#### 15. Number of Automobiles Owned By Consumer Unit (NUMAUTO)

Beginning Record Position: 46  
Type of Variable: F4.1

NOTE: Non-integer because averaged over the four quarters.

#### 16. Number of Vehicles Owned By Consumer Unit (VEHQ)

Beginning Record Position: 50

Type of Variable: F4.1

NOTE: Non-integer because averaged over the four quarters.

17. Consumer Unit Size (FAMSIZE)

Beginning Record Position: 54

Type of Variable: F4.1

NOTE: Non-integer because averaged over the four quarters.

18. Total Number of Members At Least Part Year in Consumer Unit (MEMBCNT)

Beginning Record Position: 58

Type of Variable: I2

NOTE: Inspection limits MEMBCNT to 20.

19. Annual 109 Category Income/Consumption/Wealth Variables (VAR(109))

Beginning Record Position: 60

Type of Variable: 109F10.2

The following is a list of the 109 categories, UCC code mapping is in Section V:

1. Wages and Salaries
2. Proprietor's Accounting Profit
3. Farm Accounting Profit
4. Rental Accounting Profit
5. Dividends Received
6. Interest Received
7. Government/Private Pensions
8. Social Security Benefits
9. Supplemental Security Income
10. Unemployment Compensation
11. Worker's Comp/Veteran's Benefits
12. Public Assistance/Welfare
13. Scholarships, Foster Children
14. Food Stamp Benefits
15. Deductions For Government Retirement
16. Deductions For Railroad Retirement
17. Deductions For Social Security
18. Federal Income Taxes

19. State and Local Income Taxes
20. Personal Property Taxes
21. Other Taxes
22. Nontaxes
23. Food Off-Premise
24. Food On-Premise
25. Food Furnished Employees
26. Tobacco Products
27. Alcohol Off-Premise
28. Alcohol On-Premise
29. Clothing and Shoes
30. Clothing Services
31. Jewelry and Watches
32. Toilet Articles and Preparations
33. Barbershops, Beauty Parlors, Health Clubs
34. Tenant-Occupied Nonfarm Dwellings--Rent
35. Other Rented Lodging
36. Furniture and Durable Household Equipment
37. Nondurable Household Supplies and Equipment
38. Electricity
39. Gas
40. Water and Other Sanitary Services
41. Fuel Oil and Coal
42. Telephone and Telegraph
43. Domestic Service, Other Household Operation
44. Drug Preparations
45. Ophthalmic Products and Orthopedic Appliances
46. Physicians, Dentists, Other Medical Professionals
47. Hospitals
48. Nursing Homes
49. Health Insurance
50. Business Services
51. Expense of Handling Life Insurance
52. New and Used Motor Vehicles
53. Tires, Tubes, Accessories, and Other Parts
54. Repair, Greasing, Washing, Parking, Storage, Rental
55. Gasoline and Oil
56. Bridge, Tunnel, Ferry, and Road Tolls
57. Auto Insurance
58. Mass Transit Systems
59. Taxicab, Railway, Bus, and Other Travel Expenses
60. Airline Fares
61. Books and Maps
62. Magazines, Newspapers, Other Nondurable Toys, etc.
63. Recreation and Sports Equipment
64. Other Recreation Services

65. Pari-Mutuel Net Receipts
66. Higher Education
67. Nursery, Elementary, and Secondary Education
68. Other Education Services
69. Religious and Welfare Activities
70. Insurance Refunds (Negative)
71. Interest Paid By Consumers - Vehicles
72. Interest Paid By Consumers - Other
73. Rent Received as Pay
74. Market Value of Owned Home
75. Rental Equivalence of Owned Home
76. Owned Housing Interest Payments
77. Owned Housing Property Taxes
78. Owned Housing Intermediate Goods/Services
79. Owned Housing Mortgage Principal
80. Owned Housing Lump Sum Mortgage Payments
81. Owned Housing Properties Sold
82. Owned Housing Properties Purchased
83. Owned Housing, Mortgages Originated
84. Owned Housing Mortgage Held By Seller
85. Owned Housing Transactions Costs
86. Housing Additions and Alterations
87. Checking, Brokerage Accounts
88. Change In Checking, Brokerage Accounts
89. Savings Accounts
90. Change in Savings Account
91. Market Value of Stocks and Bonds
92. Change in Stocks and Bonds
93. Amount Borrowed Vehicle Loan
94. Trade In Allowance For Vehicles
95. Vehicles Sold or Reimbursed
96. Reduction of Principle On Vehicle Loan
97. Net Assets Invested in Farm or Business
98. Contributions to Private Pensions
99. Contributions to Self Employed Retirement
100. Change in Money Owed to Consumer Unit
101. Amount Owed First Interview
102. Amount Owed First Interview, Q1 Only
103. Amount Owed Fifth Interview
104. Amount Owed Fifth Interview, Q1 Only
105. Contributions Paid to Others, With Alimony/Child Support
106. Contributions Received from Others, With Alimony/Child Support
107. Contributions Paid: Measured on Expenditure File (1982-89 On
108. Lump Sum Receipts from Estates, Bequests, Inheritances, Etc.
109. Other Net Cash Inflow

## 20. Lagged Income Variables (LAGINC(22))

Beginning Record Position: 1150

Type of Variable: 22F10.2

NOTE: These measures replace the first twenty-one elements of VAR(109) with 4\*first quarter value. The 22nd element of LAGINC is the lagged 99th element of VAR(109), contributions to IRA/KEO accounts, which was also asked at 2nd and 5th interviews.

## 21. Reporting Flags (REPFLAG(109))

Beginning Record Position: 1370

Type of Variable: 109A1

Possible Values: Annual flag value based on quarterly values. If any quarterly value='B' (invalid, non-response), then annual value='B'; else if any quarterly value='C' (don't know, refusal) then annual value='C'; else if any quarterly value='T' (top-coded), the annual value='T'; else if any quarterly value='D' (valid or good data), then annual value='D'; else if any quarterly value='A' (valid blank), then annual value='A'.

## B. Member Records

### 1. Identification Number (NEWID)

Beginning Record Position: 1  
Type of Variable: I7

### 2. Age of Consumer Unit Members (AGE)

Beginning Record Position: 8  
Type of Variable: I3

NOTE: AGE is last reported age for each member in 1980s.

### 3. Relation of Consumer Unit Members to Head of Household (RELATION)

Beginning Record Position: 11  
Type of Variable: A1  
Possible Values: 1=head of household, 2=spouse, 3=child or adopted child of head, 4=grandchild of head, 5=in-law of head, 6=brother/sister of head, 7=mother/father of head, 8=other relatives, 9=unrelated individual, 0=na

NOTE: First person in household is not always head.

### 4. Education Level of Consumer Unit Members (EDUC)

Beginning Record Position: 12  
Type of Variable: A2  
Possible Values: **Prior to 1996:** 00=never attended, 01 through 12=year completed through high school, 21=first year of college or equivalent, 22=2nd year of college or equivalent, 23=3rd year of college or equivalent, 24=4th year of college or equivalent, 31=1st year graduate school or equivalent, 32=2nd year of graduate school or more.  
  
**1996 and later:** 00=Never attended school, 1-11 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

5. Race of Member (RACE)

Beginning Record Position: 14

Type of Variable:

A1

Possible Values:

1=white, 2=black, 3=american indian or aleut eskimo, 4=asian or pacific islander, 5=other

6. Sex of Member (SEX)

Beginning Record Position: 15

Type of Variable:

A1

Possible Values:

1=male, 2=female

7. Number of Weeks Member in Household (WEEKSIN)

Beginning Record Position: 16

Type of Variable:

I2

Possible Values:

13, 26, 39, or 52

8. Did Employer Contribute to Member's Private Pension Fund? (EMPLCONT)

Beginning Record Position: 18

Type of Variable:

A1

Possible Values:

1=yes, 2=no

9. Is Member Currently in College? (INCOLL)

Beginning Record Position: 19

Type of Variable:

A1

Possible Values:

1=full time, 2=part time, 3=not at all



#### 10. Reason Member is Not Working (NONWORK)

Beginning Record Position: 20

Type of Variable: A1

Possible Values: 1=ill, disabled, 2=taking care of home/family,  
3=going to school, 4=could not find work,  
5=retired, 6=doing something else

#### 11. Marital Status of Each Member (MARITAL)

Beginning Record Position: 21

Type of Variable: A1

Possible Values: 1=married, 2=widowed, 3=divorced, 4=separated,  
5=never married

#### 12. Employment Status of Members (EMPSTAT)

Beginning Record Position: 22

Type of Variable: A1

Possible Values: 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, blank  
if member did not work.

#### 13. Type of Employee (EMPTYPE)

Beginning Record Position: 23

Type of Variable: A1

Possible Values: 1=private company, 2=government employee,  
3=self-employed, 4=working without pay.

#### 14. Number of Hours Member Worked Per Week (HRSWKD)

Beginning Record Position: 24

Type of Variable: I3

#### 15. Number of Weeks Member Worked (WKSWKD)

Beginning Record Position: 27  
Type of Variable: I2  
Possible Values: 00 through 52=actual number.

#### 16. Occupation of Member (OCCUP)

Beginning Record Position: 29  
Type of Variable: A2  
Possible Values: 01=managerial and professional specialty occupation, 02=technical, sales, and administrative support occupations, 03=service occupations, 04=farming, forestry, and fishing occupations, 05=precision production, craft, and repair occupations, 06=operators, fabricators, and laborers, 07=armed forces, 08=self employed, 09=not working, 10=retired, 11=other, including not reported.

#### 17. Industry of Member (INDUST)

Beginning Record Position: 31  
Type of Variable: A2  
Possible Values: 01=agriculture, forestry, fisheries, and mining, 02=construction, 03=manufacturing, 04=transportation, communications, public utilities, 05=wholesale and retail trade, 06=finance, insurance, real estate, 07=professional and related services, 08=other services, 09=public administration, 10=industry nor reported or nonresponse.

#### 18. Member Income and Tax Variables (MEMBINC(12))

Beginning Record Position: 33  
Type of Variable: 12F10.2

The twelve elements of the array are:

1. Annual Federal Tax Paid
2. Annual Government Retirement Deducted
3. Annual Private Pension Contributions Deducted

4. Annual Railroad Retirement Deducted
5. Annual State/Local Tax Paid
6. Annual Farm Income
7. Annual IRA/KEOGH Contributions
8. Annual Social Security Paid
9. Annual Non-Farm Business Income
10. Annual Wage and Salary Income
11. Annual Social Security Income
12. Annual Supplemental Security Income

19. Lagged Member Income and Tax Variables (LMEMBINC(12))

Beginning Record Position: 153

Type of Variable: 12F10.2

The twelve elements of the array are the same as MEMBINC(12), these are first quarter values.

## IV. Measuring Saving With CE Data

This section shows how the VAR(109) vector is used to generate two household saving estimates.<sup>2</sup>

Saving Measured Using Residual Method	
Cash Income	
Wages and Salaries	VAR(1)
Self-Employment Income	VAR(2)+VAR(3)
Rent, Interest, and Dividends	VAR(4)+VAR(5)+VAR(6)
Government Transfers	VAR(8)+...+VAR(14)
Private/Government Pensions	VAR(7)
Alimony, Etc., Received	VAR(105)
+ Other Net Cash Inflow	
Alimony, Etc., Paid	-VAR(105)
Insurance Refunds	-VAR(70)
Inheritances and Bequests	VAR(108)
- Personal Taxes	VAR(18)+...+VAR(22)
- Social Insurance Taxes	VAR(16)+VAR(17)
- Consumption	
Food	VAR(23)+VAR(24)+VAR(25)
Clothing	VAR(29)
Rent and Utilities	VAR(34)+VAR(38)+...+VAR(42)
Out of Pocket Medical	VAR(44)+...+VAR(49)
Motor Vehicles and Parts	VAR(52)+VAR(53)
Furniture and Household Eq	VAR(36)
Housing Interest	VAR(76)
Housing Property Taxes	VAR(77)
Housing Intermediate Goods	VAR(78)
Life Insurance Premiums Paid	VAR(51)
Gifts and Contr to Org	VAR(69)
Personal Interest Expense	VAR(71)+VAR(72)
Other Goods	VAR(26)+VAR(27)+VAR(28)+VAR(31)+VAR(32)+ VAR(37)+VAR(55)+VAR(61)+VAR(62)+VAR(63)
Other Services	VAR(30)+VAR(33)+VAR(35)+VAR(43)+VAR(50)+ VAR(54)+VAR(56)+...+VAR(60)+VAR(64)+... +VAR(68)
= Residual Saving	

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<sup>2</sup>These concepts underlie the two measures in John Sabelhaus (1993), "What is The Distributional Burden of Taxing Consumption?" *National Tax Journal*, 46:3, 331-344.

### Saving Measured Using Net Worth Method

#### Increase in Non-Housing Assets

Private Pension Contributions	VAR(98)
Other Retirement Contr	VAR(99)
Change in Checking Accounts	VAR(88)
Change in Saving Accounts	VAR(90)
Change in Stocks and Bonds	VAR(92)
Investments to Own Frm/Bs	VAR(97)

#### - Increase in Non-Housing Liabilities

Vehicle Loans Originated	VAR(93)
Less: Vehicle Loan Princ Pd	VAR(96)
Change in Installment Credit	VAR(103)-VAR(101)
Less: Chge in Amt Owed CU	VAR(100)

#### + Change in Housing Net Worth

Properties Purchased	VAR(82)
Less: Properties Sold	VAR(81)-VAR(84)-VAR(85)
Additions and Alterations	VAR(86)
Payment of Mortgage Princ	VAR(79)+VAR(80)
Less: Mortgage Loans Orig	VAR(83)

= Net Worth Saving

## **V. UCC Code Mapping**

This section shows how the several hundred UCC codes are allocated across the 109 income, consumption, and wealth change categories listed above. It is important to note that not all UCC codes are used in every year, but BLS has not “re-used” any UCC codes, so this list applies to every year of the data. In most cases, UCCs were added or dropped when categories are split or collapsed, and so long as those splits stay within any given aggregated category there is no impact on the 109 variables.

### **Income Variables**

#### 001. Wages and Salaries

1900000 Wages and Salaries

#### 002. Proprietor's Accounting Profit

1900010 Net Business Income

#### 003. Farm Accounting Profit

1900020 Net Farm Income

#### 004. Rental Accounting Profit

1900060 Income From Roomers and Boarders

1900070 Other Rental Income

#### 005. Dividends Received

1900050 Dividends, Royalties, Estates or Trusts

#### 006. Interest Received

1900080 Interest From Savings Accounts or Bonds

#### 007. Government/Private Pensions

1900040 Pensions and Annuities

#### 008. Social Security Benefits

1900030 Social Security and Railroad Retirement Income

#### 009. Supplemental Security Income

1900090 Supplemental Security Income

#### 010. Unemployment Compensation

1900100 Unemployment Compensation

#### 011. Worker's Comp/Veteran's Benefits

1900110 Workers' Compensation and Veterans Benefits Including Education

#### 012. Public Assistance/Welfare

1900120 Public Assistance or Welfare Including Money Received From Job  
Training Grants Such as Job Corps

013. Scholarships, Foster Children

1900140 Other Income Including Money Received from Care of Foster Children,  
Cash Scholarships and Fellowships or Stipends not Based on Working

014. Food Stamp Benefits

1900150 Food Stamps

015. Deductions For Government Retirement

1800910 Payroll Deductions for Government Retirement

016. Deductions For Railroad Retirement

1800920 Payroll Deductions for Railroad Retirement

017. Deductions For Social Security

1800940 Payroll Deductions for Social Security (includes Medicare)

1910020 Overpayment on Social Security (includes Medicare)

018. Federal Income Taxes

1950000 Federal Income Tax

1950001 Federal Income Tax Refunds

019. State and Local Income Taxes

1950010 State and Local Income Tax

1950011 State and Local Income Tax Refunds

020. Personal Property Taxes

1950022 Personal Property Taxes

021. Other Taxes

M840101 Amount for Special Assessments for Roads, Streets, or Similar Purposes  
not Included in Property Tax - Owned Home

M840102 Amount for Special Assessments for Roads, Streets, or Similar Purposes  
not Included in Property Tax - Owned Vacation Home

M790630 Special Assessments for Services and Capital Improvements - Other  
Properties

1950021 Other Taxes

1950023 Other Tax Refunds

022. Nontaxes

M520110 State and Local Vehicle Registration

M520310 Driver's License

## **Consumption Variables**

### **023. Food Off-Premise**

- M190904 Food and Beverages Purchased and Prepared by CU on Trips
- M790220 Food and Nonalcoholic Beverage purchases at Grocery Stores
- M790230 Food and Nonalcoholic Beverage purchases at Convenience or Specialty Stores

### **024. Food On-Premise**

- M190901 Food or Board, at School and Rooming/Boarding Houses
- M190902 Catered Affairs
- M190903 Food and Non-alc Beverages at Restaurants, Cafes, Fast Food Places on Trips
- M790410 Dining Out at Restaurants, Cafeterias, Drive-ins, Etc. (Excluding Alcoholic Beverages)
- M790430 School Meals for Preschool and School Age Children

### **025. Food Furnished Employees**

- M800700 Meals Received as Pay

### **026. Tobacco Products**

- M630110 Cigarettes
- M630210 Cigars, Pipe Tobacco, and Other Tobacco Products

### **027. Alcohol Off-Premise**

- M790310 Beer and Wine for Home Use
- M790320 Other Alcoholic Beverages for Home Use

### **028. Alcohol On-Premise**

- M200900 Alcoholic Beverages at Restaurants, Cafes, Bars on Trips
- M790420 Alcoholic Beverages at Restaurants, Cafeterias, Drive-ins, Etc.

### **029. Clothing and Shoes**

- M360110 Men's Suits
- M360120 Men's Sport Coats
- M360210 Men's Coats, Jackets, and Furs
- M360311 Men's Underwear
- M360312 Men's Hosiery
- M360320 Men's Nightwear
- M360330 Men's Accessories
- M360340 Men's Sweaters and Vests
- M360350 Men's Active Sportswear
- M360410 Men's Shirts
- M360511 Men's Pants
- M360512 Men's Shorts and Shorts Sets, Excl. Athletic
- M360901 Men's Uniforms



M360902 Men's Other Clothing, Incl. Costumes  
 M370110 Boys' Coats, Jackets, and Furs  
 M370120 Boys' Sweaters  
 M370130 Boys' Shirts  
 M370211 Boys' Underwear  
 M370212 Boys' Nightwear  
 M370213 Boys' Hosiery  
 M370220 Boys' Accessories  
 M370311 Boys' Suits, Sport Coats, and Vests  
 M370312 Boys' Pants  
 M370313 Boys' Shorts and Shorts Sets, Excl. Athletic  
 M370901 Boys' Uniforms and Active Sportswear  
 M370902 Boys' Other Clothing, Incl. Costumes  
 M370903 Boys' Uniforms  
 M370904 Boys' Active Sportswear  
 M380110 Women's Coats, Jackets, and Furs  
 M380210 Women's Dresses  
 M380311 Women's Sport Coats and Tailored Jackets  
 M380312 Women's Vests, Sweaters, and Sweater Sets  
 M380313 Women's Shirts, Tops, and Blouses  
 M380320 Women's Skirts and Culottes  
 M380331 Women's Pants  
 M380332 Women's Shorts and Shorts Sets, Excl. Athletic  
 M380340 Women's Active Sportswear  
 M380410 Women's Nightwear  
 M380420 Women's Undergarments  
 M380430 Women's Hosiery  
 M380510 Women's Suits  
 M380901 Women's Accessories  
 M380902 Women's Uniforms  
 M380903 Women's Other Clothing, Incl. Costumes  
 M420110 Sewing Materials for Making Clothes  
 M420120 Sewing Notions, Patterns  
 M430130 Travel Items, Including Luggage, and Luggage Carriers  
 M640130 Wigs, Hairpieces, or Toupees  
 M390110 Girls' Coats, Jackets, and Furs  
 M390120 Girls' Dresses and Suits  
 M390210 Girls' Sport Coats, Tailored Jackets, Shirts, Blouses, Sweaters,  
     Sweater Sets, and Vests  
 M390221 Girls' Skirts, Culottes, and Pants  
 M390222 Girls' Shorts and Shorts Sets, Excl. Athletic  
 M390230 Girls' Active Sportswear  
 M390310 Girls' Undergarments and Nightwear  
 M390321 Girls' Hosiery  
 M390322 Girls' Accessories  
 M390901 Girls' Uniforms

M390902 Girls' Other Clothing, Incl. Costumes  
M400110 Men's Footwear  
M400210 Boys' Footwear  
M400220 Women's Footwear  
M400310 Girls' Footwear  
M410110 Infants' Coats, Jackets, and Snowsuits  
M410111 Infant Coats, Jackets, and Snowsuits 9B (1980-1991Q2)  
M410112 Infant Coats, Jackets, and Snowsuits 9A (1980-1991Q2)  
M410120 Infants' Dresses and Outerwear  
M410121 Infant Dresses and Outerwear 9B (1980-1991Q2)  
M410122 Infant Dresses and Outerwear 9A (1980-1991Q2)  
M410130 Infants' Undergarments, Including Diapers  
M410131 Infant Undergarments 9B, Including Diapers (1980-1991Q2)  
M410132 Infant Undergarments 9A, Including Diapers (1980-1991Q2)  
M410140 Infants' Sleeping Garments  
M410141 Infant Sleeping Garments 9B (1980-1991Q2)  
M410142 Infant Sleeping Garments 9A (1980-1991Q2)  
M410901 Infants' Accessories, Hosiery, and Footwear  
M410902 Infant's Other Clothing (1980-1991Q1)  
M410903 Infant Accessories 9A (1980-1991Q2)  
M410904 Infant Hosiery, Footwear, and Other Clothing (1980-1991Q2)

#### 030. Clothing Services

M440110 Shoe Repair and Other Shoe Services  
M440120 Apparel Laundry and Dry Cleaning - Coin-Operated  
M440130 Repair and Alteration to Clothing and Accessories  
M440140 Clothing Rental  
M440150 Watch and Jewelry Repair  
M440210 Apparel Laundry and Dry Cleaning - Not Coin Operated  
M440900 Clothing Storage

#### 031. Jewelry and Watches

M430110 Watches  
M430120 Jewelry

#### 032. Toilet Articles and Preparations

#### 033. Barbershops, Beauty Parlors, Health Clubs

M650110 Personal Care Services for Females, Including Haircuts  
M650210 Personal Care Services for Males, Including Haircuts  
M650900 Rental and Repair of Personal Care Appliances

#### 034. Tenant-Occupied Nonfarm Dwellings--Rent

M210110 Rent of Dwelling, Includes Parking Fees  
M230111 Contractors' Labor and Material Costs, and Cost of Supplies Rented  
for Inside and Outside Painting and Papering, Plastering, Paneling,

Plumbing or Water Heating, Electrical Work, Heating or Air-Conditioning (Incl. Service Contracts), Insulation, Termite and Pest Control (Incl. Service Contracts), Roofing and Gutters, Siding, Windows, Screens, Doors, Awnings, Masonry, Brick and Stucco Work, Patios, Walks, Fences, Driveways, Swimming Pools, Finishing Basement or Attic, Remodeling Rooms, and Landscaping - Renter

M230117 Built-in Dishwasher, Garbage Disposal, or Range Hood for Jobs Considered Replacement or Maintenance/Repair - Renter

M230121 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Repair or Replacement of Hard-Surface Flooring - Renter

M230131 Installed Wall-to-Wall Carpeting - Renter

M230141 Service Contract Charges and Cost of Maintenance or Repair for Built-in Dishwasher, Garbage Disposal, or Range Hood - Renter

M230150 Repair or Maintenance services (renter)

M240111 Cost of Paint, Wallpaper, and Supplies Purchased for Inside and Outside Painting and Papering - Renter

M240121 Cost of Equipment Purchased for Inside and Outside Painting and Papering - Renter

M240211 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

M240221 Cost of Supplies Purchased for Masonry, Brick or Stucco Work; Portion of Cost of Supplies Purchased for Patios, Walks, Fences, Driveways, Swimming Pools - Renter

M240311 Cost of Supplies Purchased for Plumbing or Water Heating Installations and Repairs - Renter

M240321 Cost of Supplies Purchased for Electrical Work, Heating or Air Conditioning Jobs - Renter

M320161 Non-Installed Wall to Wall Carpeting and Carpet Squares - Renter

M320611 Cost of Supplies Purchased for Insulation and Other Improvements/Repairs; Materials and Supplies Purchased not for any Specific Job - Renter

M320621 Cost of Supplies Purchased for Repair or Replacement of Hard Surfaced Flooring - Renter

M320631 Cost of Supplies Purchased for Landscaping - Renter

M340904 Rental of Furniture

M790690 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

M990920 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

M990950 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Dwellings and Additions Being Built - Other Properties

035. Other Rented Lodging

M210210 Lodging Away From Home on Trips

M210310 Housing For Someone At School

036. Furniture and Durable Household Equipment

M280110 Bathroom Linens

M280120 Bedroom Linens

M280130 Kitchen and Dining Room Linens

M280210 Curtains and Drapes

M280220 Slipcovers, Decorative Pillows, and Cushions

M280230 Sewing Materials For Slipcovers, Curtains, Other Home Handiwork

M280900 Other Linens

M290110 Mattresses and Springs

M290120 Other Bedroom Furniture

M290210 Sofas

M290310 Living Room Chairs

M290320 Living Room Tables

M290410 All Kitchen and Dining Room Furniture

M290420 Infants' Furniture

M290430 Patio, Porch, or Outdoor Furniture

M290440 Modular Wall Units, Shelves or Cabinets; Other Living Room, Family  
or Recreation Room Furniture Including Desks

M300111 Purchase and Installation of Refrigerator or Home Freezer - Renter

M300112 Purchase and Installation of Refrigerator or Home Freezers -  
Homeowner

M300211 Purchase and Installation of Clothes Washer - Renter

M300212 Purchase and Installation of Clothes Washer - Owner

M300221 Purchase and Installation of Clothes Dryer - Renter

M300222 Purchase and Installation of Clothes Dryer - Owner

M300311 Purchase and Installation of Cooking Stove, Range or Oven, Excl.  
Microwave - Renter

M300312 Purchase and Installation of Cooking Stove, Range or Oven, Excl.  
Microwave - Homeowner

M300321 Purchase and Installation of Microwave Oven - Renter

M300322 Purchase and Installation of Microwave Oven - Homeowner

M300331 Purchase and Installation of Portable Dishwasher - Renter

M300332 Purchase and Installation of Portable Dishwasher - Homeowner

M300411 Window Air Conditioner - Renter

M300412 Window Air Conditioner - Homeowner

M320110 Room-size Rugs and Other Non-Permanent Floor Coverings

M320120 Venetian Blinds, Window Shades and Other Window Coverings

M320130 Infants' Equipment

M320150 Outdoor Equipment

M320210 Clocks

M320220 Lamps and Other Lighting Fixtures

M320230 Other Household Decorative Items (1980-81)

M320231 Other Household Decorative Items (Not Used 1980-81)  
M320232 Telephones and Accessories (Not Used 1980-81)  
M320320 China and Other Dinnerware  
M320330 Stainless, Silver and Other Flatware  
M320340 Glassware  
M320350 Silver Serving Pieces  
M320360 Serving Pieces Other Than Silver  
M320370 Non-electric Cookware  
M320410 Lawnmowing Equipment and Other Yard Machinery  
M320420 Power Tools  
M320511 Electric Floor Cleaning Equipment  
M320512 Sewing Machines  
M320521 Small Electrical Kitchen Appliances  
M320522 Portable Heating and Cooling Equipment  
M320901 Office Furniture for Home Use  
M320902 Non-Power Tools  
M320904 Closet Storage Items  
M640420 Electrical Personal Care Appliances  
M690210 Telephone Answering Devices  
M690241 Purchases and Rentals of Smoke Alarms and Detectors - Renter  
M690242 Purchases and Rentals of Smoke Alarms and Detectors - Owned Home  
M690243 Purchases and Rentals of Smoke Alarms and Detectors - Owned Vacation  
Home  
M690244 Other Household Appliances - Renter  
M690245 Other Household Appliances - Homeowner

#### 037. Nondurable Household Supplies and Equipment

#### 038. Electricity

M260111 Electricity - Renter  
M260112 Electricity - Owned Home; Portion of Management Fees for Utilities  
in Condos and Coops (Non-Vacation)  
M260113 Electricity - Owned Vacation Home; Portion of Management Fees for  
Utilities in Vacation Condos and Coops  
M260114 Electricity - Rented Vacation Property

#### 039. Gas

M260211 Natural or Utility Gas - Renter  
M260212 Natural or Utility Gas - Owned Home; Portion of Management Fees for  
Utilities in Condos and Coops (Non-Vacation)  
M260213 Natural or Utility Gas - Owned Vacation Home; Portion of Management  
Fees for Utilities in Vacation Condos and Coops  
M260214 Natural or Utility Gas - Rented Vacation Property

#### 040. Water and Other Sanitary Services

M270211 Water and Sewerage Maintenance - Renter

M270212 Water and Sewerage Maintenance - Owned Home; Portion of Management Fees for Utilities in Condos and Coops (Non-Vacation)  
M270213 Water and Sewerage Maintenance - Owned Vacation Home; Portion of Management Fees for Utilities in Vacation Condos and Coops  
M270214 Water and Sewerage Maintenance - Rented Vacation Property  
M270411 Trash and Garbage Collection - Renter  
M270412 Trash and Garbage Collection - Owned Home; Portion of Management Fees for Utilities in Condos and Coops (Non-Vacation)  
M270413 Trash and Garbage Collection - Owned Vacation Home; Portion of Management Fees for Utilities in Vacation Condos and Coops  
M270414 Trash and Garbage Collection - Rented Vacation Property  
M270901 Septic Tank Cleaning - Renter  
M270902 Septic Tank Cleaning - Owned Home  
M270903 Septic Tank Cleaning - Owned Vacation Home  
M270904 Septic Tank Cleaning - Rented Vacation Property

040. Fuel Oil and Coal

M250111 Fuel Oil - Renter  
M250112 Fuel Oil - Owned Home; Portion of Management Fees for Utilities in Condos and Coops (Non-Vacation)  
M250113 Fuel Oil - Owned Vacation Home; Portion of Management Fees for Utilities in Vacation Condos and Coops  
M250114 Fuel Oil - Rented Vacation Property  
M250211 Gas, Bottled or Tank - Renter  
M250212 Gas, Bottled or Tank - Owned Home  
M250213 Gas, Bottled or Tank - Owned Vacation Home  
M250214 Gas, Bottled or Tank - Rented Vacation Property  
M250221 Coal - Renter  
M250222 Coal - Owned  
M250223 Coal - Owned Vacation Home  
M250224 Coal - Rented Vacation Property  
M250901 Wood, Kerosene, and Other Fuels - Renter  
M250902 Wood, Kerosene, and Other Fuels - Owned Home  
M250903 Wood, Kerosene, and Other Fuels - Owned Vacation Home  
M250904 Wood, Kerosene, and Other Fuels - Rented Vacation Property

042. Telephone and Telegraph

M270000 Telephone Service Not Specified (1980-1991Q1)  
M270101 Telephone Service, Excluding Mobile Car Phones  
M270102 Telephone Service for Mobile Car Phones

043. Domestic Service, Other Household Operation

M220111 Fire and Extended Coverage Insurance - Owned Home  
M220112 Fire and Extended Coverage Insurance - Owned Vacation Home  
M220121 Homeowners Insurance - Owned Home; Management Fees for Property Insurance in Coops (Non-Vacation)

M220122 Homeowners Insurance - Owned Vacation Home; Management Fees for  
 Property Insurance in Vacation Coops  
 M330511 Cost of Materials Purchased for Termite and Pest Control for Jobs  
 Considered Replacement or Maintenance/Repair  
 M340210 Babysitting or Other Home Care For Children (through 93Q2)  
 M340211 Babysitting or Other Home Care in Your Own Home (93Q3 +)  
 M340212 Babysitting or Other Home Care in Someone Else's Home (93Q3 +)  
 M340310 Housekeeping Service, Incl. Management Fees for Maid Service in  
 Condos  
 M340410 Gardening and Lawn Care Services, Incl. Management Fees for Lawn  
 Care in Coops and Condos  
 M340420 Water Softening Service  
 M340510 Moving, Storage, and Freight Express  
 M340520 Non-Clothing Household Laundry or Dry Cleaning - Not Coin-Operated  
 M340530 Non-Clothing Household Laundry or Dry Cleaning - Coin-Operated  
 M340620 Repair of Household Appliances, Excluding Garbage Disposal, Range  
 Hood, and Built-in Dishwasher  
 M340630 Furniture Repair, Refinishing, or Reupholstery  
 M340901 Rental or Repair of Lawnmowing Equipment and Other Yard Machinery,  
 Power and Non-Power Tools  
 M340903 Miscellaneous Home Services and Small Repair Jobs Not Already  
 Specified  
 M340907 Rental and Installation of Household Equipment  
 M340908 Rental of Office Equipment for Non-Business Use  
 M340910 Adult Day Care Centers  
 M340914 Services for termite/pest control maintenance  
 M350110 Tenant's Insurance  
 M690113 Repair of Computers, Computer Systems, and Related Equipment for  
 Non-Business Use  
 M990900 Rental and Installation of Dishwasher, Disposal, and Range Hood  
 M990910 Cost of Supplies Purchased by Consumer Unit for Termite or Pest  
 Control for Jobs Considered Addition, Alteration or New Construction -  
 Renter

#### 044. Drug Preparations

M540000 Prescription Drugs and Medicines (Net Outlay)

#### 045. Ophthalmic Products and Orthopedic Appliances

M550110 Purchase of Eye Glasses or Contact Lenses, Incl. Kits and Equipment,  
 Fittings, Warranty Expenses, and Insurance (Net Outlay)  
 M550320 Purchase of Medical 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)  
 M550330 Purchase of Supportive or Convalescent Medical Equipment, Such as  
 Crutches, Wheelchairs, Braces, and Ace Bandages (Net Outlay)

M550340 Hearing Aids (Net Outlay)

046. Physicians, Dentists, Other Medical Professionals

M340906 Care For Invalids, Convalescents, Handicapped or Elderly in the CU

M560110 Physicians' Services (Net Outlay)

M560210 Dental Care (Net Outlay)

M560310 Eye Exams, Treatment or Surgery (Net Outlay)

M560320 Service By Practitioner Other Than Physician (1980-1991Q1)

M560330 Lab Tests and X-Rays (Net Outlay)

M560400 Services by Medical Professionals Other Than Physicians, Nursing Services, and Therapeutic Treatments (Net Outlay)

M560900 Nursing Services and Therapeutic Treatments (1980-1991Q1)

M570230 Other Medical Care Service, Such as Blood Donation, Ambulance, Emergency Room, or Outpatient Hospital Services (Net Outlay)

M570240 Medical Care in Retirement Community

M570901 Rental of Medical or Surgical Equipment for General Use (Net Outlay)

M570903 Rental of Supportive and Convalescent Equipment (Net Outlay)

047. Hospitals

M570110 Hospital Room and Meals (Net Outlay)

M570210 Hospital Service 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)

048. Nursing Homes

M570220 Care in Convalescent or Nursing Home (Net Outlay)

049. Health Insurance

M580110 Commercial Health Insurance

M580111 Traditional fee for service health plan (not BC/BS)

M580112 Traditional fee for service health plan (BC/BS)

M580113 Preferred provider health plan (not BC/BS)

M580114 Preferred provider health plan (BC/BS)

M580210 Blue Cross or Blue Shield

M580310 Health Maintenance Plans

M580311 Health Maintenance Organization (not BC/BS)

M580312 Health Maintenance Organization (BC/BS)

M580901 Medicare Payments

M580902 Commercial Medicare Supplements, Dental Insurance and Other Health Insurance

M580903 Commercial Medicare Supplements (not BC/BS)

M580904 Commercial Medicare Supplements (BC/BS)

M580905 Other health insurance (not BC/BS)

M580906 Other health insurance (BC/BS)



050. Business Services

- I900001 Occupational Expenses Such as Union Dues, Tools, Uniforms, Business or Professional Association Dues, Licenses or Permits
- M620112 Membership Fees for Credit Cards Memberships
- M680110 Legal Fees, Excluding Real Estate Closing Costs
- M680140 Funeral, Burial, or Cremation Expenses, Including Limousine and Flowers
- M680210 Safe Deposit Boxes
- M680220 Charges for Checking Accounts and Other Banking Services
- M680901 Purchase and Upkeep of Cemetery Lots or Vaults
- M680902 Accounting Fees
- M690114 Computer information services

051. Expense of Handling Life Insurance

- M002120 Other Non-Health Insurance
- M700110 Life, Endowment, Annuities, and Other Insurance Policies Providing Death Benefits

052. New and Used Motor Vehicles

- M450110 New Cars (Net Outlay)
- M450210 New Trucks or Vans (Net Outlay)
- M450220 New Motorcycles, Motor Scooters, or Mopeds (Net Outlay)
- M460110 Used Cars (Net Outlay)
- M460901 Used Trucks or Vans (Net Outlay)
- M460902 Used Motorcycles, Motor Scooters, or Mopeds (Net Outlay)
- M600131 Motorized Camper-Coach or Other Vehicles (Net Outlay)
- M600141 Purchase of motorized camper
- M600142 Purchase of other vehicle

053. Tires, Tubes, Accesories, and Other Parts

- M480110 Tires (New, Used, or Recapped); Replacement and Mounting of Tires, Including Tube Replacement
- M480211 Battery Replacement; Audio Equipment, Floormats, Seatcovers, Other Accessories, Batteries, Other Vehicle Equipment Installed by CU
- M480213 Parts/equip/accessories
- M480214 Vehicle audio equipment excluding labor

054. Repair, Greasing, Washing, Parking, Storage, Rental

- M220901 Parking at Owned Home; Management Fees for Parking in Condos and Coops (Non-Vacation)
- M220902 Parking Owned Vacation Home, Vacation Condos and Coops
- M450310 Basic Lease Charges (Car Lease)
- M450311 Charges Other Than Basic Lease, Such as Insurance or Maintenance (Car Lease)
- M450313 Cash Down Payment (Car Lease)
- M450314 Termination Fee (Car Lease)
- M450410 Basic Lease Charge (Truck/Van Lease)

M450411 Charges Other Than Basic Lease, Such as Insurance or Maintenance  
 (Truck/Van Lease)  
 M450413 Cash Down Payment (Car Lease)  
 M450414 Termination Fee (Truck/Van Lease)  
 M470220 Coolant/ Antifreeze, Brake and Transmission Fluids, Additives, and  
 Radiator/Cooling System Protectant (Not Purchased with Tune-Up)  
 M490110 Body Work, Painting, Repair and Replacement of Upholstry, Vinyl/  
 Convertible Top, and Glass, Installation of Carpet  
 M490211 Clutch and Transmission Repair  
 M490212 Drive Shaft and Rear-End Repair  
 M490220 Brake Work, Excluding Brake Adjustment  
 M490221 Brake Work  
 M490231 Steering or Front End Repair  
 M490232 Cooling System Repair  
 M490311 Motor Tune-Up  
 M490312 Lubrication and Oil Changes  
 M490313 Front End Alignment, Wheel Balance, and Rotation  
 M490314 Shock Absorber Replacement  
 M490315 Brake Adjustment (Not Used 80-81)  
 M490317 Minor Repairs and Adjustments on Out-of-Town Trips (1980-1991Q1)  
 M490318 Repair Tires Miscellaneous Repair Work, Such as Battery Charge,  
 Wash, Wax, Repair and Replacement of Windshield Wiper, Wiper Motor,  
 Heater, Air Conditioner, Radio and Antenna (Not Used 80-81)  
 M490319 Vehicle Air Conditioner Repair (93Q3 +)  
 M490411 Exhaust System Repair  
 M490412 Electrical System Repair  
 M490413 Motor Repair and Replacement  
 M490500 Purchase and Installation of Vehicle Accessories, Incl. Audio  
 Equipment, Customizing, and Items Such as Luggage Racks, Fog Lamps, and  
 Trailer Hitches  
 M490501 Vehicle accessories including labor  
 M490502 Vehicle audio equipment including labor  
 M490900 Auto Repair Service Policy  
 M520410 Vehicle Inspection  
 M520511 Auto Rental, Excl. Trips  
 M520512 Auto Rental on Out-of-Town Trips  
 M520521 Truck or Van Rental, Excl. Trips  
 M520522 Truck or Van Rental Out-of-Town Trips  
 M520530 Parking Fees Except Those In Home-Ownership Fees (1980-1991Q1)  
 M520531 Parking Fees at Garages, Meters, and Lots Excl. Fees that are Costs  
 of Property Ownerwship  
 M520532 Parking Fees on Out of Town Trips  
 M520550 Towing Charges (Excl. Contracted or Pre-Paid)  
 M520902 Motorcycle, Motor Scooter, or Moped Rental  
 M520905 Motorcycle, Motor Scooter, or Moped Rental on Out-of-Town Trips  
 M620113 Membership Fees for Automobile Service Clubs

M620919 Rental of Other Vehicles on Out-of-Town Trips

055. Gasoline and Oil

M470111 Gasoline

M470113 Gasoline on Out-of-Town Trips

M470112 Diesel Fuel

M470211 Motor Oil

M470212 Motor Oil on Out-of-Town Trips

056. Bridge, Tunnel, Ferry, and Road Tolls

M520542 Tolls on Out-of-Town Trips

057. Auto Insurance

M500110 Vehicle Insurance

058. Mass Transit Systems

M530311 Intracity Mass Transit Fares

M530312 Local Transportation (Excl. Taxis) on Out-of-Town Trips

059. Taxicab, Railway, Bus, and Other Travel Expenses

M530210 Intercity Bus Fares on Out-of-Town Trips

M530411 Taxi Fares on Out-of-Town Trips

M530412 Taxi Fares (Not on Trips)

M530510 Intercity Train Fares on Out-of-Town Trips

M530901 Ship Fares on Out-of-Town Trips

060. Airline Fares

M530110 Airline Fares on Out-of-Town Trips

061. Books and Maps

M590220 Books Thru Book Clubs

M590230 Books Not Thru Book Clubs

M660110 School Books, Supplies, and Equipment for College

M660210 School Books, Supplies, and Equipment for Elementary and High School

M660310 Encyclopedia and Other Sets of Reference Books

M660900 School Books, Supplies, and Equipment for Day Care Center, Nursery  
School, and Other Schools

062. Magazines, Newspapers, Other Nondurable Toys, etc.

M320310 Plastic Dinnerware

M320903 Fresh Flowers or Potted Plants

M590110 Newspapers (Single Copy and Subscription)

M590111 Newspaper subscriptions

M590112 Newspapers, non-subscriptions

M590210 Magazines and Periodicals (Single Copy and Subscription)

M590211 Magazine subscriptions

M590212 Magazines, non-subscription  
M610110 Toys, Games, Hobbies, Tricycles, Battery Powered Riders  
M610210 Photographic Film

063. Recreation and Sports Equipment

M310110 Black and White TV, and Combinations of TV with Other Items  
M310120 Color TV Console and Combinations TV; Large Screen Color TV  
Projection Equipment; Color Monitor and Other Items  
M310130 Color TV (Portable and Table Models)  
M310210 VCR, Video Disk Player, Video Camera, and Camcorder  
M310220 Video Cassettes, Tapes and Disks (Not Used 80-81)  
M310230 TV Computer Games and Computer Game Software (Not Used 80-81)  
M310311 Radios  
M310312 Phonograph or Record Player  
M310313 Tape Recorder and Player  
M310320 Sound Components, Component Systems, and Compact Disc Sound Systems  
M310330 Other Sound and Video Equipment, Incl. Accessories  
M310333 Accessories and other sound equipment  
M310334 Satellite Dishes  
M310341 Compact Discs, Tapes, Videos, or Records Purchased From A Club  
M310342 Compact Discs, Tapes, Videos, or Records Not From A Club (80-81)  
M310343 Needles and Styli (80-81)  
M450900 New Aircraft (Not On Tape Due To Confidentiality)  
M460903 Used Aircraft (Not On Tape Due To Confidentiality)  
M520903 Aircraft Rental  
M520904 Rental of Non Camper-Type Trailer, Such as for Boat or Cycle  
M520906 Aircraft Rental on Out-of-Town Trips  
M520907 Rental of Boat or Non Camper-Type Trailer, Such as for Boat or  
Cycle on Out-of-Town Trips  
M600110 Outboard Motor  
M600121 Boat without Motor or Non Camper-Type Trailer, Such as for Boat or  
Cycle (Net Outlay)  
M600122 Trailer-Type or Other Attachable-Type Camper (Net Outlay)  
M600132 Boat with Motor (Net Outlay)  
M600210 Ping Pong, Pool Tables, Other Similar Recreation Room Items, General  
Sports Equipment, and Health and Exercise Equipment  
M600310 Bicycles  
M600410 Camping Equipment  
M600420 Hunting and Fishing Equipment  
M600430 Winter Sports Equipment  
M600900 Water and Miscellaneous Sports Equipment  
M600901 Water sports equipment  
M600902 Other sports equipment  
M610120 Playground Equipment  
M610130 Musical Instruments, Supplies, and Accessories  
M610230 Photographic Equipment

M690110 Computers for Non-Business Use (Not in 90,91,92)  
M690111 Computers, Computer Systems, and Related Hardware for Non-Business Use  
M690112 Computer Software and Accesories for Non-Business Use  
M690220 Calculators  
M690230 Typewriters and Other Office Machines for Non-Business Use  
(690220 in 80-81)

064. Other Recreation Services

M270310 Community Antenna or Cable TV; Portion of Management Fees for  
Utilities in Condos and Coops  
M340610 Repair of TV, Radio, and Sound Equip, Excluding Installed in Vehicles  
M340902 Rental of Televisions  
M340905 Rental of VCR, Radio, and Sound Equipment  
M520901 Docking and Landing Fees for Boats and Planes  
M610320 Pets, Pet Supplies, and Medicine for Pets  
M610900 Recreational Expenses on Out-of-Town Trips  
M620110 Country Clubs, Swimming Pools, Fraternal Org. (1980-1991Q2)  
M620111 Membership Fees for Country Clubs, Health Clubs, Swimming Pools,  
Tennis Clubs, Social or Other Recreational Organizations, Civic,  
Service, or Fraternal Organizations  
M620121 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  
M620122 Fees for Participant Sports on Out-of-Town Trips  
M620211 Admission Fees for Entertainment Activities, Including Movie, Theatre,  
Concert, Opera, or Musical Series (Single Admission and Season Tickets)  
M620212 Entertainment Expenses on Out-of-Town Trips, Including Admissions to  
Events, Museums, and Tours  
M620221 Admissions to Sporting Events (Single Admission and Season Tickets)  
M620222 Admissions to Sporting Events on Out-of-Town Trips  
M620310 Fees for Recreational Lessons or Other Instructions  
M620330 Film Processing  
M620410 Pet Services  
M620420 Veterinarian Expenses for Pets  
M620902 Rental of Campers and Other Vehicles Out-of-Town Trips (1980-1991Q1)  
M620903 Miscellaneous Entertainment Services on Out-of-Town Trips  
M620904 Rental and Repair of Musical Instruments, Supplies, and Accessories  
M620905 Rental and Repair of Photographic Equipment  
M620906 Rental of all Boats and Outboard Motors  
M620907 Rental of Campers and Other Recreational Vehicles (Not on Trip)  
M620908 Rental and Repair of Sports, Recreation, and Exercise Equipment  
M620909 Rental of all Campers on Out of Town Trips  
M620912 Rental of Video Cassettes, Tapes, and Discs  
M620921 Rental of motorized camper  
M620922 Rental of other RV's  
M810400 Trip Expenses for Persons Outside the CU

065. Pari-Mutuel Net Receipts

066. Higher Education

M670110 Tuition for College

067. Nursery, Elementary, and Secondary Education

M530902 Private School Bus

M670210 Tuition for Elementary and High School

M670310 Other Expenses for Day Care Centers and Nursery Schools, Including Tuition

068. Other Education Services

M670901 Tuition for Other Schools

M670902 Rental of Books and Equipment, and Other School-Related Expenses

I800840 Contributions to Educational Organizations

069. Religious and Welfare Activities

I800850 Contributions to Political Organizations

I800860 Contributions to Other Organizations

I800820 Contributions to Charities, Such as United Way and Red Cross

I800830 Contributions to Churches or Other Religious Organizations

## **Wealth Variables**

070. Insurance Refunds

I003100 Amount Received in Settlement on Surrender of Insurance Policies

-I910030 Refund From Insurance Policies

071. Interest Paid By Consumers - Vehicles

M510110 Automobile Finance Charges

M510901 Truck or Van Finance Charges

M510902 Motorcycle Finance Charges

M850300 Finance Charges on Other Vehicles

072. Interest Paid By Consumers - Other

M710110 Finance Charges, Excluding Mortgage and Vehicles

073. Rent Received as Pay

M800710 Rent Received as Pay

074. Market Value of Owned Home

M800721 Market Value of Owned Home

075. Rental Equivalence of Owned Home

I910050 Rental Equivalence of Owned Home (through 93Q2)

M910050 Rental Equivalence of Owned Home (93Q3 +)

076. Owned Housing Interest Payments

M220311 Mortgage Interest - Owned Home; Portion of Management Fees for Repayment of Loans in Coops (Non-Vacation)

M220312 Mortgage Interest - Owned Vacation Home; Portion of Management Fees for Repayment of Loans in Vacation Coops

M220313 Interest on Home Equity Loan - Owned Home

M220314 Interest on Home Equity Loan - Owned Vacation Home

M880110 Interest on Line of Credit Home Equity Loan - Owned Home

M880210 Interest on Line of Credit Home Equity Loan - Other Properties

M880310 Interest on Line of Credit Home Equity Loan - Owned Vacation Home

077. Owned Housing Property Taxes

-I910040 Refunds From Property Taxes

M220211 Property Taxes - Owned Home; Management Fees for Property Taxes in Coops (Non-Vacation)

M220212 Property Taxes - Owned Vacation Home; Management Fees for Property Taxes in Vacation Coops

078. Owned Housing Intermediate Goods/Services

M210901 Ground Rent - Owned Home

M210902 Ground Rent - Owned Vacation Home

M230112 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)

M230113 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Plumbing or Water Heating Installations and Repairs - Owned Home; Management Fees for Similar Jobs in Condos and Coops (Non-Vacation)

M230114 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Electrical Work and Heating or Air-Conditioning Jobs (Incl. Service Contracts) - Owned Home; Management Fees for Similar Jobs in Condos and Coops (Non-Vacation)

M230115 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Roofing, Gutters, or Downspouts - Owned Home; Management Fees for Similar Jobs in Condos and Coops (Non-Vacation)

M230116 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Plastering, Paneling, Insulation, Termite and Pest Control (Incl. Service Contracts), Siding, Windows, Screens, Doors, Awnings, Masonry, Brick and Stucco Work, Patios, Walks, Fences, Driveways, Swimming Pools, Finishing Basement or Attic, Remodeling Rooms, and Landscaping

M230118 Built-in Dishwasher, Garbage Disposal, or Range Hood for Jobs Considered Replacement or Maintenance/Repair - Owned Home

M230119 Same as M230112-M230117 - Owned Vacation Home; Vacation Condos and

Coops

- M230122 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Repair or Replacement Hard Surface Flooring for Jobs Considered Replacement or Maintenance/Repair - Owned Home; Management Fees for Similar Jobs in Condos and Coops (Non-Vacation)
- M230123 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Repair or Replacement Hard Surface Flooring for Jobs Considered Replacement or Maintenance/Repair - Owned Vacation Home; Management Fees for Similar Jobs in Vacation Condos and Coops
- M230132 Installed Wall-to-Wall Carpeting (Replacement) Homeowner
- M230142 Service Contract Charges and Cost of Maintenance or Repair for Built-in Dishwasher, Garbage Disposal, or Range Hood - Owned Home and Vacation Home
- M230151 Other repair or maintenance services (owned)
- M230152 Repair and remodeling services (owned vacation)
- M230901 Property Management - Owned Home; Condos and Coops (Non-Vacation)
- M230902 Property Management - Owned Vacation Home; Vacation Condos and Coops
- M240112 Cost of Paint, Wallpaper, and Supplies Purchased for Inside and Outside Painting and Papering for Jobs Considered Replacement or Maintenance/Repair - Owned Home
- M240113 Cost of Paint, Wallpaper, and Supplies Purchased for Inside and Outside Painting and Papering for Jobs Considered Replacement or Maintenance/Repair - Owned Vacation Home
- M240122 Cost of Equipment Purchased for Inside and Outside Painting and Papering for Jobs Considered Replacement or Maintenance/Repair - Owned Home
- M240123 Cost of Equipment Purchased for Inside and Outside Painting and Papering for Jobs Considered Replacement or Maintenance/Repair - Owned Vacation Home
- M240212 Cost of Supplies Purchased for Plastering, Paneling, Siding, Windows, Screens, Doors, Awnings, Patios, Walks, Fences, Driveways, Swimming Pools for Jobs Considered Replacement or Maintenance/Repair - Owned Home
- M240213 Cost of Supplies Purchased for Roofing, Gutters, or Downspouts for Jobs Considered Replacement or Maintenance/Repair - Owned Home
- M240214 Same as M240212-M240213 - Owned Vacation Home
- M240222 Cost of Supplies Purchased for Masonry, Brick or Stucco Work, Patios, Walks, Fences, Driveways, Swimming Pools for Jobs Considered Maintenance/Repair - Owned Home
- M240223 Cost of Supplies Purchased for Masonry, Brick or Stucco Work, Patios, Walks, Fences, Driveways, Swimming Pools for Jobs Considered Maintenance/Repair - Owned Vacation Home
- M240312 Cost of Supplies Purchased for Plumbing or Water Heating Installations and Repairs for Jobs Considered Maintenance/Repair - Owned Home
- M240313 Cost of Supplies Purchased for Plumbing or Water Heating Installations and Repairs for Jobs Considered Maintenance/Repair - Owned Vacation Home



M240322 Cost of Supplies Purchased for Electrical Work, Heating or Air Conditioning Jobs for Jobs Considered Maintenance/Repair - Owned Home

M240323 Cost of Supplies Purchased for Electrical Work, Heating or Air Conditioning Jobs for Jobs Considered Maintenance/Repair - Owned Vacation Home

M320162 Non-Installed Wall-to-Wall Carpeting (Replacement) and Carpet Squares - Homeowner

M320612 Cost of Supplies Purchased for Insulation and Other Improvements/Repairs for Jobs Considered Replacement/Repair; Materials and Supplies not Purchased for any Specific Job - Owned Home

M320613 Cost of Supplies Purchased for Insulation and Other Improvements/Repairs for Jobs Considered Replacement/Repair - Owned Vacation Home

M320622 Cost of Supplies Purchased for Repair or Replacement of Hard Surfaced Flooring for Jobs Considered Replacement/Repair - Owned Home

M320623 Cost of Supplies Purchased for Repair or Replacement of Hard Surfaced Flooring for Jobs Considered Replacement/Repair - Owned Vacation Home

M320632 Cost of Supplies Purchased for Landscaping for Jobs Considered Maintenance/Repair - Owned Home

M320633 Cost of Supplies Purchased for Landscaping for Jobs Considered Maintenance/Repair - Owned Vacation Home

M340911 Management Fees for Security, Incl. Guards and Alarm Systems in Coops and Condos (Non-Vacation)

M340912 Management Fees for Security, Incl. Guards and Alarm Systems in Coops and Condos (Vacation)

M790600 Same as 220111, 220121, 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 Maintenance/Repair - Other Properties; Cost of Supplies Purchased for Jobs Considered Maintenance/Repair, Excl. Dwellings and Additions Being Built, and Termite and Pest Control - Other Properties

M790610 Contractors' Labor and Material Costs, Cost of Supplies Rented or Purchased for Jobs Considered Addition, Alteration or New Construction - Other Properties

M790620 Management Fees for Capital Improvements - Other Properties

M790640 Management Fees for Management, Security, and Parking - Other Properties

M990930 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 - Owned Home

M990940 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 - Owned Vacation Home

079. Owned Housing Mortgage Principal

-M790920 Reduction of Mortgage Principle - Other Properties

- M790940 Reduction of Principal on Lump Sum Home Equity - Other Properties
- M830201 Reduction of Mortgage Principal - Owned Home; Portion of Management Fees for Repayment of Loans in Coops (Non-Vacation)
- M830202 Reduction of Mortgage Principal - Owned Vacation Home; Portion of Management Fees for Repayment of Loans in Vacation Coops
- M830203 Reduction of Principal on Lump Sum Home Equity Loan - Owned Home
- M830204 Reduction of Principal, Lump Sum Home Equity Loan - Owned Vacation Home
- M880120 Reduction of Principal on Line of Credit Home Equity Loan - Owned Home
- M880220 Reduction of Principal on Line of Credit Home Equity Loan - Other Properties
- M880320 Reduction of Principal on Line of Credit Home Equity Loan - Owned Vacation

#### 080. Owned Housing Lump Sum Mortgage Payments

- M790910 Special or Lump-Sum Mortgage Payments - Other Properties
- M830101 Special or Lump-Sum Mortgage Payments - Owned Home
- M830102 Special or Lump-Sum Mortgage Payments - Owned Vacation Home

#### 081. Owned Housing Properties Sold

- M790810 Selling Price or Trade-In Value - Other Properties
- M820101 Selling Price or Trade-In Value - Owned Home
- M820102 Selling Price or Trade-In Value - Owned Vacation Home

#### 082. Owned Housing Properties Purchased

- M790710 Purchase Price of Property Excluding Cost of Common Areas - Other Properties
- M790720 Purchase Price Other Properties Common Areas (1980-1991Q1)
- M810101 Purchase Price of Property Excluding Cost of Common Areas - Owned Home
- M810102 Purchase Price of Property Excluding Cost of Common Areas - Owned Vacation Home
- M810201 Owned Purchase Price for Common Areas (1980-1991Q1)
- M810202 Owned Purchase Price for Common Areas Vacation (1980-1991Q1)

#### 083. Owned Housing, Mortgages Originated

- M790930 Original Mortgage Amount (Mortgage Obtained During Current Quarter's Interview) - Other Properties
- M790950 Original Amount of Lump Sum Home Equity Loan - Other Properties (Loan Obtained During Current Quarter's Interview)
- M830301 Original Mortgage Amount (Mortgage Obtained During Current Quarter's Interview) - Owned Home
- M830302 Original Mortgage Amount (Mortgage Obtained During Current Quarter's Interview) - Owned Vacation Home
- M830303 Original Amount of Lump Sum Home Equity Loan (Loan Obtained During Current Quarter's Interview) - Owned Home
- M830304 Original Amount Lump Sum Home Equity Loan (Loan Obtained During

Current Quarter's Interview) - Owned Vacation Home

084. Owned Housing Mortgage Held By Seller

M790820 Principle Amount of Trust Holding for New Purchaser - Other Properties  
M820201 Principle Amount of Trust Holding for New Purchaser - Owned Home  
M820202 Principle Amount of Trust Holding for New Purchaser - Owned Vacation Home

085. Owned Housing Transactions Costs

M220321 Penalty Charges on Special or Lump-Sum Mortgage Payment - Owned Home  
M220322 Penalty Charges on Special or Lump-Sum Mortgage Payment - Owned Vacation Home  
M790730 Closing Costs - Other Properties  
M790830 Total Selling Expenses - Other Properties  
M790840 Other Selling Charges Other Properties (1980-1991Q1)  
M810301 Closing Costs - Owned Home  
M810302 Closing Costs - Owned Vacation Home  
M820301 Total Selling Expenses - Owned Home  
M820302 Total Selling Expenses - Owned Vacation Home  
M820401 Other Selling Charges Owned Home (1980-1991Q1)  
M820402 Other Selling Charges Owned Vacation (1980-1991Q1)

086. Housing Additions and Alterations

M220511 Non-Installed Wall-to Wall Carpeting (Original), Homeowner  
M220512 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  
M220513 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 Vacation Home  
M220611 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Jobs Considered Addition, Alteration, or New Construction - Owned Home; Management Fees for Capital Improvements in Condos and Coops (Non-Vacation)  
M220612 Built-in Dishwasher, Garbage Disposal, or Range Hood for Jobs Considered Addition, Alteration, or New Construction - Owned Home and Vacation Home  
M220613 Dishwasher, Disposal, Capital Improvements Owned Vacation (1980-83)  
M220614 Installed Wall-to-Wall Carpeting (Original), Homeowner  
M220615 Contractors' Labor and Material Costs, and Cost of Supplies Rented for Jobs Considered Addition, Alteration, or New Construction - Owned Vacation Home; Management Fees for Capital Improvements in

Vacation Condos and Coops  
M790611 Built-in Dishwasher, Garbage Disposal, or Range Hood for Jobs  
Considered Addition, Alteration, or New Construction- Other Properties

087. Checking, Brokerage Accounts  
1920020 Market Value of Checking Accounts, Brokerage Accounts and Other  
Similar Accounts

088. Change In Checking, Brokerage Accounts  
1002020 Change in Checking Account

089. Savings Accounts  
1920010 Market Value of Savings Accounts

090. Change in Savings Account  
1002010 Change in Savings Account

091. Market Value of Stocks and Bonds  
1920030 Market Value of U.S. Savings Bonds  
1920040 Market Value of Stocks, Bonds, Mutual Funds, and Other Such Securities

092. Change in Stocks and Bonds  
1001000 Purchase Price of Stocks, Bonds, or Mutual Funds Including Broker Fees  
1001010 Sale Price of Stocks, Bonds, and Mutual Funds, Net  
1002030 Change in Amount Held in U.S. Savings Bonds

093. Amount Borrowed Vehicle Loan  
M850200 Amount Borrowed Excluding Interest on Vehicle Loan

094. Trade In Allowance For Vehicles  
M450116 Trade-In Allowance For New Cars  
M450216 Trade-In Allowance For New Trucks or Vans  
M450226 Trade-In Allowance For New Motorcycles, Motor Scooters, or Mopeds  
M450312 Trade-In Allowance (Car Lease)  
M450412 Trade-In Allowance (Truck/Van Lease)  
M460116 Trade-In Allowance For Used Cars  
M460907 Trade-In Allowance For Used Trucks or Vans  
M460908 Trade-In Allowance For Used Motorcycles, Motor Scooters, or Mopeds  
M450906 Trade In Allowance For New Aircraft (Confidentiality)  
M460909 Trade In Allowance For Used Aircraft (Confidentiality)  
M600127 Trade-In Allowance For Boat Without Motor or Non Camper-Type Trailer,  
Such as for Boat or Cycle  
M600128 Trade-In Allowance For Trailer-Type or Other Attachable-Type Camper  
M600137 Trade-In Allowance For Motorized Camper-Coach or Other Vehicles  
M600138 Trade-In Allowance For Boat With Motor  
M600143 Trade in allowance, motorized camper  
M600144 Trade in allowance, other vehicle

095. Vehicles Sold or Reimbursed

- M860100 Amount Automobile Sold or Reimbursed
- M860200 Amount Truck or Van Sold or Reimbursed
- M860300 Amount Motorized Camper-Coach or Other Vehicle Sold or Reimbursed
- M860301 Amount motorized camper sold or reimbursed
- M860302 Amount other vehicle sold or reimbursed
- M860400 Amount Trailer-Type or Other Attachable-Type Camper Sold or Reimbursed
- M860500 Amount Motorcycle, Motor Scooter, or Moped Sold or Reimbursed
- M860600 Amount Boat With Motor Sold or Reimbursed
- M860700 Amount Boat without Motor or Non Camper-Type Trailer, Such as for  
Boat or Cycle Sold or Reimbursed
- M860800 Amount Private Plane Sold or Reimbursed (Confidentiality)

096. Reduction of Principal On Vehicle Loan

- M850100 Reduction of Principal on Vehicle Loan

097. Net Assets Invested in Farm or Business

- I001210 Investments to Farm or Business
- I001220 Assets Taken From Farm and Business

098. Contributions to Private Pensions

- I800931 Payroll Deductions For Private Pensions

099. Contributions to Self Employed Retirement

- I800932 Non-Payroll Deposit to Individual Retirement Plan

100. Change in Money Owed to Consumer Unit

- I003000 Change in Money Owed to CU

101. Amount Owed First Interview

- M006001 Total Amount Owed to Creditors, Second Interview

102. Amount Owed First Interview, Q1 Only

- M006003 Total Amount Owed to Creditors, Second Interview, Asked First  
Quarter, Current Year
- M006005 Total Amount Owed to Creditors, Second Interview, Asked First  
Quarter, Current Year +1

103. Amount Owed Fifth Interview

- M006002 Total Amount Owed to Creditors, Fifth Interview

104. Amount Owed Fifth Interview, Q1 Only

- M006004 Total Amount Owed to Creditors, Fifth Interview, Asked First Quarter,  
Current Year
- M006006 Total Amount Owed to Creditors, Fifth Interview, Asked First Quarter,

Current Year + 1

- 105. Contributions Paid to Others, With Alimony/Child Support
  - 1800801 Cash Contributions For Support to Persons not in the CU (Includes Alimony, Child Support, and Contributions to College Students)
  - 1800810 Gifts in the Form of Cash, Bonds, or Stocks to Persons not in the CU
- 106. Contributions Received from Others, With Alimony/Child Support
  - 1900130 Alimony and Child Support (through 93Q2)
  - 1900131 Child Support Payments Received (93Q3 +)
  - 1900132 Other Regular Contributions Received Including Alimony (93Q3 +)
- 107. Contributions Paid: Measured on MTAB File (Not Used to Compute Savings)
  - M800800 Cash Gifts and Contributions to Non-Consumer Unit Members (not in 92)
  - M800803 Money Given to Non-CU Members, Charities, and Other Organizations
  - M800111 Alimony Monthly (1986+ Only: Assumed in M800800 Pre-1986) (Section 19)
  - M800121 Child Support Monthly (1986+ Only: Assumed in M800800 Pre-1986) (Section 19)
- 108. Lump Sum Receipts from Estates, Bequests, Inheritances, Etc.
  - 1910000 Lump Sums From Estates, Trusts, Royalties, Alimony, Child Support, Prizes or Games of Chance or From Persons Outside CU
  - 1910041 Lump Sum Child Support Payments Received (93Q3 +; separate from above)
- 109. Other Net Cash Inflow
  - 1910010 Money From Sale of Household Furnishings, Equipment, Clothing, Jewelry, Pets or Other Belongings, Excluding the Sale of Vehicles or Property

## VI. Cross-Reference of CE/NIA

This cross-reference is used for aligning aggregated CE expenditures to National Income Accounts (NIA) values for each year. Each VAR(109) element is listed followed by the NIA table and line numbers it should match. For example, Wages and Salaries (VAR(1)) should match NIA Table 2.1 line 2 minus Table 2.4 lines 5 and 16 and Table 8.21 line 145.<sup>3</sup>

1. Wages and Salaries  
201002  
-204005  
-204016

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<sup>3</sup>Note that there have been many changes to the NIPA saving concept in recent years, and this cross-reference reflects the version of the NIA tables as of September 2000. For a useful discussion of how NIA saving measures are constructed and how they relate to the cash-based saving here, see William Gale and John Sabelhaus (1999), "Perspectives on the Household Saving Rate," *Brookings Papers on Economic Activity, 1:1999*, pp 181-224.

-821145  
 2. Proprietor's Accounting Profit (Before S-Corp Adj)  
 201012  
 -114015  
 -114016  
 -821188  
 3. Farm Accounting Profit  
 201011  
 -114012  
 -204006  
 4. Rental Accounting Profit  
 201013  
 -114019  
 -818004  
 5. Dividends Received (Before S-Corp&IRA-Keogh Adj)  
 201014  
 6. Interest Received(Before IRA-Keogh Adj)  
 201015  
 -820051  
 -826007  
 -820030  
 7. Government/Private Pensions  
 611035  
 611045  
 8. Social Security Benefits  
 312004  
 312011  
 9. Supplemental Security Income  
 312022  
 312035  
 10. Unemployment Compensation  
 201018  
 611032  
 11. Worker's Comp/Veteran's Benefits  
 312013  
 312014  
 312016  
 312029  
 12. Public Assistance/Welfare  
 312021  
 312023  
 312028  
 312034  
 312036  
 312037  
 13. Scholarships, Foster Children

312041  
14. Food Stamp Benefits  
312020  
15. Deductions For Government Retirement  
0  
16. Deductions For Railroad Retirement  
306029  
17. Deductions For Social Security  
306022  
306028  
306030  
306031  
18. Federal Income Taxes  
304003  
-312024  
19. State and Local Income Taxes  
304009  
20. Personal Property Taxes  
304011  
21. Other Taxes  
304007  
304010  
304012  
22. Nontaxes  
304013  
23. Food Off-Premise  
204003  
-204009  
24. Food On-Premise  
204004  
-204010  
25. Food Furnished Employees  
821143  
26. Tobacco Products  
204007  
27. Alcohol Off-Premise  
204009  
28. Alcohol On-Premise  
204010  
29. Clothing and Shoes  
204012  
204013  
30. Clothing Services  
204017  
204019  
31. Jewelry and Watches



204018  
32. Toilet Articles and Preparations  
204021  
33. Barbershops, Beauty Parlors, Health Clubs  
204022  
34. Tenant-Occupied Nonfarm Dwellings--Rent  
204025  
-821145  
35. Other Rented Lodging  
204027  
36. Furniture and Durable Household Equipment  
204029  
204030  
204031  
204032  
37. Nondurable Household Supplies and Equipment  
204033  
204034  
204035  
38. Electricity  
204037  
39. Gas  
204038  
40. Water and Other Sanitary Services  
204039  
41. Fuel Oil and Coal  
204040  
42. Telephone and Telegraph  
204041  
43. Domestic Service, Other Household Operation  
204042  
204043  
44. Drug Preparations  
204045  
45. Ophthalmic Products and Orthopedic Appliances  
204046  
46. Physicians, Dentists, Other Medical Professionals  
+ 47. Hospitals  
+ 48. Nursing Homes  
+ 49. Health Insurance  
204047  
204048  
204049  
204051  
204055  
204057

306031  
-312005  
-312015  
-312025  
-312031  
-312038  
-611029  
50. Business Services  
204061  
204062  
204065  
204066  
204067  
51. Expense of Handling Life and Other Insurance  
204064  
204058  
204059  
-611030  
52. New and Used Motor Vehicles  
204070  
204071  
204072  
53. Tires, Tubes, Accesories, and Other Parts  
204073  
54. Repair, Greasing, Washing, Parking, Storage, Rental  
204074  
204075  
56. Bridge, Tunnel, Ferry, and Road Tolls  
204076  
57. Auto Insurance  
204077  
58. Mass Transit Systems  
204079  
59. Taxicab, Railway, Bus, and Other Travel Expenses  
204080  
204082  
204083  
204085  
60. Airline Fares  
204084  
61. Books and Maps  
204087  
62. Magazines, Newspapers, Other Nondurable Toys, etc.  
204088  
204089  
204095

63. Recreation and Sports Equipment  
 204090  
 204091  
 64. Other Recreation Services  
 204094  
 204096  
 204100  
 204101  
 204103  
 65. Pari-Mutuel Net Receipts  
 204102  
 204105  
 -312039  
 -312040  
 67. Nursery, Elementary, and Secondary Education  
 204106  
 68. Other Education Services  
 204107  
 69. Religious and Welfare Activities  
 204108  
 -821150  
 70. Insurance Refunds (Negative)  
 000000  
 71. Interest Paid By Consumers - Vehicles  
 + 72. Interest Paid By Consumers - Other  
 201028  
 73. Rent Received as Pay  
 821145  
 74. Market Value of Owned Home  
 000000  
 75. Rental Equivalence of Owned Home  
 204024  
 204026  
 76. Owned Housing Interest Payments  
 821119  
 821120  
 77. Owned Housing Property Taxes  
 821122  
 821123  
 78. Owned Housing Intermediate Goods/Services  
 821116  
 821117  
 79. Owned Housing Mortgage Principal  
 000000  
 80. Owned Housing Lump Sum Mortgage Payments  
 000000

81. Owned Housing Properties Sold  
000000  
82. Owned Housing Properties Purchased  
506028  
506034  
506035  
506036  
508033  
83. Owned Housing, Mortgages Originated  
000000  
84. Owned Housing Mortgage Held By Seller  
000000  
85. Owned Housing Transactions Costs  
000000  
86. Housing Additions and Alterations  
506033  
87. Checking, Brokerage Accounts  
000000  
88. Change In Checking, Brokerage Accounts  
000000  
89. Savings Accounts  
000000  
90. Change in Savings Account  
000000  
91. Market Value of Stocks and Bonds  
000000  
92. Change in Stocks and Bonds  
000000  
93. Amount Borrowed Vehicle Loan  
000000  
94. Trade In Allowance For Vehicles  
000000  
95. Vehicles Sold or Reimbursed  
000000  
96. Reduction of Principle On Vehicle Loan  
000000  
97. Net Assets Invested in Farm or Business  
000000  
98. Contributions to Private Pensions  
000000  
99. Contributions to Self Employed Retirement  
000000  
100. Change in Money Owed to Consumer Unit  
000000  
101. Amount Owed First Interview  
000000

102. Amount Owed First Interview, Q1 Only  
000000  
103. Amount Owed Fifth Interview  
000000  
104. Amount Owed Fifth Interview, Q1 Only  
000000  
105. Contributions Paid to Others, With Alimony/Child Support  
000000  
106. Contributions Received from Others, With Alimony/Child Support  
000000  
107. Contributions Paid: Measured on Expenditure File (1982-89 On  
000000  
108. Lump Sum Receipts from Estates, Bequests, Inheritances, Etc.  
000000  
109. Other Net Cash Inflow  
000000

## VII. Record Counts and Attrition Adjustments by Quarter

This section has the dump of output from the program which computes attrition adjustment factors for the family-level extracts. Sample weights for each cohort in the restricted sample are adjusted to match the raw data for that group.

### Adjustment Factors and Record Counts for 1980:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.6	2.1	2.3	2.0	2.6	1.8
Homeowner	1.5	1.6	1.7	1.6	1.7	1.6

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1747	601
Member Records	4859	1843

### Adjustment Factors and Record Counts for 1980:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.9	3.1	2.3	2.0	1.8	1.6
Homeowner	1.5	1.6	2.0	1.5	1.7	1.7

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1744	624
Member Records	4663	1865

### Adjustment Factors and Record Counts for 1980:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.8	2.5	1.9	1.7	1.7	1.6
Homeowner	1.2	1.6	1.5	1.6	1.6	1.7

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1597	677
Member Records	4521	2070

## Adjustment Factors and Record Counts for 1980:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.1	2.2	1.9	2.0	1.5	1.5
Homeowner	2.9	1.3	1.3	1.7	1.6	1.6

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1619	706
Member Records	4390	2082

## Adjustment Factors and Record Counts for 1981:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.5	2.4	2.1	2.7	2.1	1.9
Homeowner	2.1	1.8	1.6	1.9	1.8	2.3

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1743	612
Member Records	4672	1843

## Adjustment Factors and Record Counts for 1981:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	2.7	2.1	2.2	2.6	2.2	2.0

Homeowner 3.5 1.6 1.7 1.8 2.0 1.9

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1669	616
Member Records	4538	1811

#### Adjustment Factors and Record Counts for 1981:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	2.8	2.4	1.6	1.9	2.0	1.6
Homeowner	1.3	1.4	1.5	1.7	1.7	1.6

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1491	634
Member Records	4182	1854

#### Adjustment Factors and Record Counts for 1981:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.0	2.6	1.7	2.3	1.8	1.7
Homeowner	1.3	1.3	1.6	1.4	1.7	1.4

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1434	617
Member Records	3830	1786

#### Adjustment Factors and Record Counts for 1982:1

##### Attrition Adjustment Factors



	<25	25-34	35-44	45-54	55-64	65+
Renter	5.5	2.3	2.3	2.1	1.5	1.5
Homeowner	1.0	1.4	1.4	1.6	1.5	1.5

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1557	643
Member Records	4083	1859

#### Adjustment Factors and Record Counts for 1982:2

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.9	1.8	2.1	1.7	1.8	1.6
Homeowner	3.0	1.3	1.4	1.7	1.5	1.4

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1482	648
Member Records	4017	1867

#### Adjustment Factors and Record Counts for 1982:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.0	2.1	1.5	1.8	1.9	1.6
Homeowner	1.4	1.3	1.4	1.5	1.5	1.6

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1418	664
Member Records	3925	1893

#### Adjustment Factors and Record Counts for 1982:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.6	1.8	1.8	2.2	1.4	1.5
Homeowner	1.7	1.6	1.4	1.6	1.6	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1516	683
Member Records	4033	1979

### Adjustment Factors and Record Counts for 1983:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.8	2.5	1.9	1.9	1.6	1.5
Homeowner	1.2	1.3	1.4	1.4	1.6	1.2

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1492	706
Member Records	3928	2049

### Adjustment Factors and Record Counts for 1983:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.8	2.2	1.9	2.5	2.4	1.4
Homeowner	3.3	1.6	1.4	1.5	1.8	1.5

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1602	669
Member Records	4265	1859

### Adjustment Factors and Record Counts for 1983:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.3	2.1	1.9	2.3	1.9	1.4
Homeowner	2.1	1.5	1.4	1.6	1.7	1.5

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1655	746
Member Records	4529	2142

### Adjustment Factors and Record Counts for 1983:4

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	12.4	2.0	1.9	2.0	1.8	1.8
Homeowner	1.7	1.8	1.5	1.8	1.5	1.5

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1714	712
Member Records	4626	2075

### Adjustment Factors and Record Counts for 1984:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.8	2.0	1.9	1.8	1.4	1.3
Homeowner	1.3	1.3	1.4	1.5	1.4	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1673	795
Member Records	4562	2290

## Adjustment Factors and Record Counts for 1984:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.4	2.2	2.2	1.8	1.4	1.3
Homeowner	1.4	1.4	1.3	1.3	1.4	1.2

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1673	835
Member Records	4598	2443

## Adjustment Factors and Record Counts for 1984:3

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.1	1.9	1.7	2.5	1.4	1.3
Homeowner	4.5	1.3	1.3	1.5	1.4	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1644	837
Member Records	4487	2388

## Adjustment Factors and Record Counts for 1984:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.8	2.0	1.7	1.9	1.7	1.3
Homeowner	1.3	1.4	1.3	1.4	1.4	1.3

### Record Counts

	Total Cohort	Restricted Sample
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Family Records	1681	815
Member Records	4517	2351

#### Adjustment Factors and Record Counts for 1985:1

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.3	2.6	1.8	1.6	1.9	1.6
Homeowner	2.0	1.5	1.3	1.4	1.4	1.4

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1739	785
Member Records	4746	2283

#### Adjustment Factors and Record Counts for 1985:2

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.9	2.1	1.8	1.9	1.6	1.5
Homeowner	1.4	1.4	1.3	1.3	1.4	1.4

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1669	789
Member Records	4514	2307

#### Adjustment Factors and Record Counts for 1986:1

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.0	3.1	3.0	2.5	2.2	2.2
Homeowner	2.0	2.0	1.8	1.9	1.9	1.9

##### Record Counts

### Total Cohort   Restricted Sample

Family Records	1836	584
Member Records	4984	1728

### Adjustment Factors and Record Counts for 1986:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.1	2.2	2.1	1.7	1.5	1.5
Homeowner	1.6	1.4	1.3	1.4	1.5	1.4

#### Record Counts

### Total Cohort   Restricted Sample

Family Records	1908	864
Member Records	5214	2548

### Adjustment Factors and Record Counts for 1986:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.4	2.1	2.1	2.1	1.5	1.3
Homeowner	1.5	1.5	1.6	1.5	1.4	1.3

#### Record Counts

### Total Cohort   Restricted Sample

Family Records	1894	919
Member Records	5283	2655

### Adjustment Factors and Record Counts for 1986:4

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.8	2.3	2.0	1.5	2.0	1.5
Homeowner	1.6	1.4	1.4	1.4	1.6	1.3

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1837	885
Member Records	5035	2461

## Adjustment Factors and Record Counts for 1987:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.4	2.1	2.1	2.3	1.8	1.4
Homeowner	2.3	1.5	1.5	1.5	1.4	1.3

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1913	890
Member Records	5146	2466

## Adjustment Factors and Record Counts for 1987:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.9	2.6	2.0	2.4	2.6	1.7
Homeowner	2.7	1.6	1.6	1.7	1.7	1.5

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1879	748
Member Records	5086	2155

## Adjustment Factors and Record Counts for 1987:3

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.6	2.6	2.3	2.4	1.7	1.5

Homeowner 5.1 1.4 1.7 1.8 1.5 1.6

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1841	726
Member Records	5021	1970

#### Adjustment Factors and Record Counts for 1987:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.3	2.9	2.1	2.1	1.3	1.4
Homeowner	1.7	1.7	1.4	1.7	1.6	1.4

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1813	741
Member Records	5080	2145

#### Adjustment Factors and Record Counts for 1988:1

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	8.4	2.5	2.2	2.0	1.6	1.8
Homeowner	1.5	1.5	1.5	1.4	1.5	1.3

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1756	775
Member Records	4676	2164

#### Adjustment Factors and Record Counts for 1988:2

##### Attrition Adjustment Factors



	<25	25-34	35-44	45-54	55-64	65+
Renter	5.2	2.2	1.8	2.1	1.6	1.5
Homeowner	1.5	1.4	1.5	1.5	1.6	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1642	732
Member Records	4469	2061

#### Adjustment Factors and Record Counts for 1988:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.5	2.2	1.6	1.9	1.5	1.4
Homeowner	2.8	1.6	1.4	1.4	1.4	1.4

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1614	834
Member Records	4385	2363

#### Adjustment Factors and Record Counts for 1988:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.6	1.9	1.6	1.9	1.7	1.5
Homeowner	1.5	1.5	1.5	1.5	1.5	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1560	776
Member Records	4299	2140

#### Adjustment Factors and Record Counts for 1989:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.1	2.6	2.0	1.8	2.0	1.6
Homeowner	5.9	1.5	1.4	1.5	1.4	1.4

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1618	755
Member Records	4345	2109

### Adjustment Factors and Record Counts for 1989:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.3	2.4	2.1	1.6	1.7	1.4
Homeowner	2.1	1.5	1.4	1.4	1.6	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1609	771
Member Records	4338	2188

### Adjustment Factors and Record Counts for 1989:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.5	2.2	2.0	1.9	2.1	1.5
Homeowner	1.6	1.6	1.5	1.4	1.5	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1654	804
Member Records	4532	2300

## Adjustment Factors and Record Counts for 1989:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.3	2.3	2.1	1.8	1.7	1.7
Homeowner	2.6	1.5	1.4	1.5	1.6	1.4

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1589	749
Member Records	4309	2100

## Adjustment Factors and Record Counts for 1990:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.4	2.2	2.3	1.5	1.6	1.7
Homeowner	27.7	1.4	1.5	1.4	1.4	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1678	803
Member Records	4499	2265

## Adjustment Factors and Record Counts for 1990:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	11.4	2.3	2.1	1.8	2.1	1.4
Homeowner	3.4	1.3	1.6	1.6	1.6	1.4

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1669	758
Member Records	4636	2147

### Adjustment Factors and Record Counts for 1990:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.1	2.0	2.0	1.7	1.9	1.7
Homeowner	2.1	1.5	1.5	1.6	1.5	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1586	801
Member Records	4213	2244

### Adjustment Factors and Record Counts for 1990:4

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.3	2.6	1.9	1.8	2.1	1.5
Homeowner	1.4	1.5	1.4	1.6	1.4	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1521	755
Member Records	4148	2132

### Adjustment Factors and Record Counts for 1991:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.8	2.2	1.8	1.7	1.5	1.3
Homeowner	2.3	1.3	1.4	1.5	1.4	1.5

#### Record Counts

	Total Cohort	Restricted Sample
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Family Records	1672	815
Member Records	4569	2338

## Adjustment Factors and Record Counts for 1991:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.5	2.3	2.1	1.9	1.7	1.5
Homeowner	1.6	1.5	1.4	1.4	1.4	1.4

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1586	763
Member Records	4290	2128

## Adjustment Factors and Record Counts for 1991:3

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.7	2.0	1.9	1.7	1.8	1.3
Homeowner	1.2	1.5	1.5	1.5	1.5	1.3

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1640	818
Member Records	4327	2258

## Adjustment Factors and Record Counts for 1991:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.4	2.2	2.2	2.5	1.3	1.6
Homeowner	1.9	1.3	1.5	1.3	1.6	1.3

### Record Counts

### Total Cohort   Restricted Sample

Family Records	1528	788
Member Records	4088	2180

### Adjustment Factors and Record Counts for 1992:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.9	2.2	1.8	1.8	1.5	1.4
Homeowner	4.7	1.5	1.4	1.5	1.6	1.4

#### Record Counts

### Total Cohort   Restricted Sample

Family Records	1696	785
Member Records	4529	2154

### Adjustment Factors and Record Counts for 1992:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.7	2.2	1.9	1.6	1.7	1.3
Homeowner	2.2	1.6	1.4	1.5	1.3	1.4

#### Record Counts

### Total Cohort   Restricted Sample

Family Records	1647	794
Member Records	4405	2178

### Adjustment Factors and Record Counts for 1992:3

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.3	2.4	1.9	2.0	1.6	1.4
Homeowner	4.9	1.5	1.4	1.5	1.5	1.3

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1670	815
Member Records	4540	2226

## Adjustment Factors and Record Counts for 1992:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.8	1.8	2.1	1.6	2.0	1.3
Homeowner	3.2	1.7	1.3	1.7	1.5	1.4

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1503	765
Member Records	4160	2133

## Adjustment Factors and Record Counts for 1993:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.9	2.1	1.8	1.9	1.8	1.5
Homeowner	1.4	1.3	1.5	1.5	1.4	1.4

## Record Counts

### Total Cohort   Restricted Sample

Family Records	1691	840
Member Records	4445	2312

## Adjustment Factors and Record Counts for 1993:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.8	2.1	2.0	2.0	2.1	1.5

Homeowner 2.1 1.5 1.3 1.3 1.5 1.4

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1646	820
Member Records	4434	2343

#### Adjustment Factors and Record Counts for 1993:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	3.2	1.7	1.6	1.9	1.6	1.4
Homeowner	2.1	1.5	1.4	1.5	1.5	1.4

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1622	836
Member Records	4291	2217

#### Adjustment Factors and Record Counts for 1993:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	8.7	2.3	2.1	1.9	2.4	1.4
Homeowner	1.3	1.5	1.5	1.3	1.7	1.4

#### Record Counts

Total Cohort   Restricted Sample

Family Records	1603	767
Member Records	4361	2158

#### Adjustment Factors and Record Counts for 1994:1

##### Attrition Adjustment Factors



	<25	25-34	35-44	45-54	55-64	65+
Renter	4.6	2.2	2.2	1.9	1.6	1.5
Homeowner	1.2	1.8	1.5	1.5	1.5	1.3

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1611	776
Member Records	4431	2131

#### Adjustment Factors and Record Counts for 1994:2

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.8	2.5	1.8	1.8	1.8	1.5
Homeowner	2.8	1.7	1.5	1.4	1.5	1.5

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1671	757
Member Records	4519	2125

#### Adjustment Factors and Record Counts for 1994:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.5	2.1	2.0	2.0	1.6	1.6
Homeowner	1.6	1.6	1.4	1.6	1.6	1.4

#### Record Counts

	Total Cohort	Restricted Sample
Family Records	1553	728
Member Records	4224	2057

#### Adjustment Factors and Record Counts for 1994:4

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.5	2.3	1.9	1.6	2.3	1.4
Homeowner	4.7	1.7	1.4	1.5	1.5	1.5

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1523	738
Member Records	4062	2030

### Adjustment Factors and Record Counts for 1995:1

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.7	2.5	2.2	2.1	2.4	1.5
Homeowner	5.3	2.0	1.7	1.6	1.5	1.6

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1652	687
Member Records	4516	1888

### Adjustment Factors and Record Counts for 1995:2

#### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	4.0	2.9	2.4	2.1	2.1	1.6
Homeowner	2.0	1.8	1.8	1.5	1.8	1.5

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1571	666
Member Records	4225	1816

## Adjustment Factors and Record Counts for 1996:1

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	7.1	2.8	2.6	2.8	2.4	3.2
Homeowner	Inf	2.4	2.4	1.9	3.1	1.8

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1599	466
Member Records	4317	1298

## Adjustment Factors and Record Counts for 1996:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.9	2.6	2.1	2.0	2.4	1.6
Homeowner	1.8	2.1	1.6	1.7	1.8	1.5

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1694	703
Member Records	4571	1991

## Adjustment Factors and Record Counts for 1996:3

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.7	2.8	2.2	2.5	2.9	1.8
Homeowner	2.3	1.6	1.7	1.7	1.7	1.5

### Record Counts

	Total Cohort	Restricted Sample
Family Records	1766	725
Member Records	4820	2023

#### Adjustment Factors and Record Counts for 1996:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	8.9	2.5	1.9	2.1	2.6	1.6
Homeowner	2.6	1.7	1.5	1.7	1.8	1.5

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1763	758
Member Records	4739	2157

#### Adjustment Factors and Record Counts for 1997:1

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	6.3	2.7	2.2	2.0	1.8	1.6
Homeowner	4.6	1.6	1.8	2.0	1.9	1.5

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1815	703
Member Records	4872	1973

#### Adjustment Factors and Record Counts for 1997:2

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	7.4	3.0	2.1	2.1	2.1	1.5
Homeowner	2.0	2.0	1.6	1.6	1.7	1.5

##### Record Counts

	Total Cohort	Restricted Sample
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Family Records	1764	754
Member Records	4917	2082

#### Adjustment Factors and Record Counts for 1997:3

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.4	2.5	2.2	2.0	1.7	1.5
Homeowner	2.2	1.7	1.6	1.7	1.8	1.6

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1773	752
Member Records	4803	2037

#### Adjustment Factors and Record Counts for 1997:4

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	7.0	2.8	2.1	2.1	2.1	1.6
Homeowner	3.2	1.6	1.7	1.6	1.6	1.5

##### Record Counts

	Total Cohort	Restricted Sample
Family Records	1763	750
Member Records	4642	2040

#### Adjustment Factors and Record Counts for 1998:1

##### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	7.1	2.4	2.7	2.2	2.1	1.6
Homeowner	2.5	1.7	1.9	1.8	1.7	1.6

##### Record Counts

# Total Cohort   Restricted Sample

Family Records	1868	707
Member Records	4833	1855

## Adjustment Factors and Record Counts for 1998:2

### Attrition Adjustment Factors

	<25	25-34	35-44	45-54	55-64	65+
Renter	5.3	2.4	2.9	1.9	2.7	1.9
Homeowner	2.4	2.0	2.0	1.9	2.0	1.6

### Record Counts

# Total Cohort   Restricted Sample

Family Records	2206	701
Member Records	5828	1898

## VIII. Programs Used To Create These Datasets

The Fortran programs used to create the described CE data files, as well as several small input files needed for these programs to run, are also available on the NBER web site. These programs were compiled and executed on a Windows 98 Compaq Fortran 90 compiler; each is a subroutine called by the program cexmain.f90.

### Program Files:

**Doccex.f90.** This program reads the mapping of UCC codes into the 109 income, expenditure and wealth categories (in the text files INC22, Con47, and Oth40), and produces a crosswalk file (CEXUCC) used by subsequent programs.

**Cexqtr.f90.** This program reads the raw CEX files (MTAByrq, ITAByrq, MEMByrq, and FMLYyrq) and aggregates the expenditure items into the 109 collapsed categories.

**Cexfam.f90.** This program takes the files created by Cexqtr and creates a unified family record, with expenditures from all quarters aggregated into an annual amount.

**create\_ffile.F90.** This program takes the files created by Cexfam, applies the attrition adjustment factors, and writes out the final ffile and memb files.

### Input Files (necessary for processing):

**Inc22, Con47, Oth40.** Text files which contain the mapping of UCC codes into the 109 income, expenditure and wealth categories, similar to section V of this document.

**mapwvtv2.txt.** Text file that contains a mapping of CE interviews into calendar years.

**cextitle** Text file containing the titles for the 109 CE expenditure and income categories.