# CURRENT POPULATION SURVEY, OCTOBER 1989: SCHOOL ENROLLMENT

## TECHNICAL DOCUMENTATION CPS-89-12

This file documentation consists of the following materials:

Attachment 1	Abstract
Attachment 2	Overview-October 1989 School Enrollment
Attachment 3	Overview—Current Population Survey
Attachment 4	Glossary
Attachment 5	How to Use the Data Dictionary
Attachment 6	Current Population Survey Adult Interview Data Dictionary
Attachment 7	Current Population Survey Children's Interview Data Dictionary
Attachment 8	Current Population Survey Armed Forces Interview Data Dictionary
Attachment 9	Current Population Survey October 1989 Adult Supplement Record Layout
Attachment 10	Current Population Survey October 1989 Children's Supplement Record Layout
Attachment 11	Questionnaire Facsimile
Attachment 12	Industry Classifications Detailed Industry Classification Codes (3-digit) Detailed Industry Recodes (01-51) Major Industry Recodes (01-14)
Attachment 13	Occupational Classifications Detailed Occupational Classification Codes for Detailed Ocuppational Categories (3-digit) Detailed Ocupation Recodes (01-46) Major Occupation Group Recodes (01-14)
Attachment 14	Alphabetical Foreign Codes for Place of Birth
Attachment 15	Numerical Place of Birth Codes
Attachment 16	Specific Metropolitan Identifiers
Attachment 17	Topcoding of Usual Hourly Earnings
Attachment 18	Source and Accuracy of School Enrollment
Attachment 19	Supplement Glossary
Attachment 20	User Notes

#### NOTE

Questions about accompanying **documentation** should be directed to Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, DC 20233. Phone: (301) 763-2074.

Questions about the **tape** should be directed to Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233. Phone: (301) 763-4100. Questions about the **subject matter** should be directed to Demographic Surveys Division, Bureau of the Census, Washington, DC 20233. Phone: (301) 763-2773.

Additional questions about the **school enrollment supplement** should be directed to Paul Siegel, Population Division, Bureau of the Census, Washington, DC 20233. Phone: (301) 763-1154.

#### **ATTACHMENT 1**

#### **ABSTRACT**

Current Population Survey, October 1989: School Enrollment [machine-readable data file] / conducted by the Bureau of the Census for the Bureau of Labor Statistics. –Washington: Bureau of the Census [producer and distributor], 1990.

### Type Of File:

Microdata; unit of observation is individuals within housing units.

#### **Universe Description:**

The universe consists of all persons in the civilian noninstitutional population of the United States living in households. The probability sample selected to represent the universe consists of approximately 57,000 households.

#### Subject-matter Description:

Data are provided on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 14 years old and over. Also shown are personal characteristics such as age, sex, race, marital status, veteran status, household relationship, educational background, and Spanish origin.

The file also contains information on school enrollment that includes the following items: current grade attending at a public or private school, whether attending college full or part-time at a 2 or 4-year institution, year last attended a regular school, and year graduated from high school.

#### Geographic Coverage:

State of residence is uniquely identified as well as census geographic division and region. The 113 largest metropolitan statistical areas (CMSA's or MSA's), an additional 89 selected MSA's, 66 selected PMSA's, and 30 central cities in multi-central city MSA's or PMSA's are also uniquely identified. Within confidentiality restrictions, indicators are provided for MSA-PMSA/non-MSA-PMSA, central city/noncentral city, farm/nonfarm, and MSA/CMSA size.

#### **Technical Description:**

File Structure: Rectangular.

File Size: 161,750 logical records; 464 character logical record length.

File Sort Sequence: State rank by CMSA/MSA rank by household identification number by line number.

#### Reference Materials:

Current Population Survey, October 1989: School Enrollment Technical Documentation. Documentation contains this abstract, a questionnaire facsimile, and record layouts of the file. One copy accompanies each file order. Additional copies are available for \$5 from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

<sup>1.</sup> MSA's = Metropolitan Statistical Areas; CMSA's = Consolidated Metropolitan Statistical Areas; PMSA's = Primary Metropolitan Statistical Areas.

Bureau of the Census. The Current Population Survey: Design and Methodology (Technical Paper 40) (out of print). Describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. Reference copies should be available from most public libraries or Federal Depository Libraries. It also is available on microfiche and microfiche paperprints from Customer Services, Data User Services Division, Bureau of the Census, Washington, D.C. 20233. [2 microfiche – \$5; 179 pages (paperprints) – \$33.] Make checks payable to Commerce/Census.

#### **Related Printed Reports:**

Bureau of the Census. Current Population Reports. School Enrollment–Social and Economic Characteristics of Students: October 1988 and 1987. Available from the U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402. S/N 803–005–00042–7. \$11.

Bureau of the Census. Current Population Reports. Educational Attainment in the United States, March 1987 and 1986. Available from the U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402. S/N 803-005-00022-2. \$4.25.

### File Availability:

The file may be ordered from Data User Services Division using the Customer Services order form for tapes on the following page. This file is available on 9 track tape (EBCDIC or ASCII) at 1600 bpi on 2 reels or 6250 bpi on 1 reel at a cost of \$175 per reel.

# Customer Services (Census Bureau) Order Forms Publications and Electronic Media Products

## \* 0005

γ.	Series Number	· · · · · · · · · · · · · · · · · · ·	Title		Price Each	Total Price
_				<del></del> -		
		<del></del>				
	·			Total for Put	lications	
. Co	ompany or personal nar	ne .			_	
	dditional address/attent	tion line	_ 3. Piease Choos	e Method of Pa	yment:	
			Check pays	able to the Super	intendent of	Docume
St	reet address				7	<b></b>
Ci	ty, State, ZIP Code		_ □ GPO Depos	sit Account 🗔		
	<del></del>		Note: All prices	include regular do	mestic postac	e and har
Da	Daytime phone including area code		International cus	tomers, please add	125%.	
	. <b></b>	one: 301/763-4100 				
EC	TRONIC MEDIA , M	IICROFICHE, AND OTHER act disc-read only memory (CD	PRODUCTS — Use D-ROM), diskette (DI	for computer tap (SK), microfiche (	e (TAPE), tec FICHE), or p	chnical aper
EC cun proc Ple	TRONIC MEDIA , No mentation (TD), comparisons — "blowback base Type or Print.  Media	act disc-read only memory (CD	)-ROM), diskette (DI	for computer tap SK), microfiche (.	FICHE), or p	Total
EC cun orox Ple	TRONIC MEDIA , Mentation (TD), competuctions — "blowback base Type or Print.	nct disc-read only memory (CD us'' (BB).	r use.)	for computer tap (SK), microfiche (	FICHE), or p	eaper
EC cun orox Ple	TRONIC MEDIA , No mentation (TD), comparisons — "blowback base Type or Print.  Media	nct disc-read only memory (CD us'' (BB).	r use.)	for computer tap SK), microfiche (	FICHE), or p	Total
EC cun orox Ple	TRONIC MEDIA , No mentation (TD), comparisons — "blowback base Type or Print.  Media	nct disc-read only memory (CD us'' (BB).	r use.)	for computer tap SK), microfiche (.	FICHE), or p	Total
EC cun orox Ple	TRONIC MEDIA , No mentation (TD), comparisons — "blowback base Type or Print.  Media	nct disc-read only memory (CD us'' (BB).	r use.)	(SK), microfiche (	Price Each	Total
Pie	TRONIC MEDIA , Note that it is not a section of the	nct disc-read only memory (CD us'' (BB). (Form is aligned for typewrite  pe (Check one):	r use.)	for computer tap SK), microfiche (.	Price Each	Total
Picty.	TRONIC MEDIA , Mentation (TD), competuctions — "blowback  ase Type or Print.  Media (See abbreviations above)  haracteristics of Tall  9 track, 1600 bpi, EBCC	nct disc-read only memory (CD ks'' (BB).  (Form is aligned for typewrite)  Appe (Check one):  DIC 9 track, 6250 bpi, EBCDIC	3. Please Choose	Total for Produ	Price Each  cts Listed	Total Price
Picty.	TRONIC MEDIA , Manual Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, ASCI	nct disc-read only memory (CD ks'' (BB).  (Form is aligned for typewrite)  Appe (Check one):  DIC 9 track, 6250 bpi, EBCDIC 9 track, 6250 bpi, ASCII	3. Please Choose	SK), microfiche (	Price Each  cts Listed	Total Price
Pic Cl	TRONIC MEDIA , Mentation (TD), competuctions — "blowback pass Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, EBCC place in the property of the pro	nct disc-read only memory (CD ks'' (BB).  (Form is aligned for typewrite)  Appe (Check one):  DIC 9 track, 6250 bpi, EBCDIC	3. Please Choos	Total for Produ	Price Each cts Listed syment:	Total Price
CC La	TRONIC MEDIA , Mentation (TD), competuctions — "blowback pase Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, ASCI beling (Check one):  aximum block size (if le	nct disc-read only memory (CD iss' (BB).  (Form is aligned for typewrite)  ID 9 track, 6250 bpi, EBCDIC  9 track, 6250 bpi, ASCII  Standard Unlabeled  iss than 32K bytes)?	3. Please Choos	Total for Produ  • Method of Pe  sble to "Comme	Price Each cts Listed syment:	Total Price
CI La	TRONIC MEDIA , Mentation (TD), competuctions — "blowback pass Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, EBCC place in the property of the pro	nct disc-read only memory (CD iss' (BB).  (Form is aligned for typewrite)  ID 9 track, 6250 bpi, EBCDIC  9 track, 6250 bpi, ASCII  Standard Unlabeled  iss than 32K bytes)?	3. Please Choos  Check pays	Total for Produ  • Method of Pe  sble to "Comme	Price Each cts Listed syment:	Total Price
ty.	TRONIC MEDIA , Mentation (TD), competuctions — "blowback pase Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, ASCI beling (Check one):  aximum block size (if le	act disc-read only memory (CD is ' (BB).  (Form is aligned for typewrite)  ape (Check one):  ape (Check one):  ape (Check one):  blc	3. Please Choos  Check pays	Total for Produ  • Method of Pe  sble to "Comme	Price Each cts Listed syment:	Total Price
CI C	TRONIC MEDIA , Mentation (TD), competuctions — "blowback sase Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, EBCC 9 track, 1600 bpi, EBCC aximum block size (if leading (Check one):  aximum block size (if leading additional address/attentional	act disc-read only memory (CD is ' (BB).  (Form is aligned for typewrite)  ape (Check one):  ape (Check one):  ape (Check one):  blc	3. Please Choos  Check pays	Total for Produ  • Method of Pa  able to "Comme  posit Account  asterCard	Price Each cts Listed syment:	Total Price
CI C	TRONIC MEDIA , Mentation (TD), competiuctions — "blowback sase Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, EBCD 9 track, 1600 bpi, EBCD 10 beling (Check one): aximum block size (if leading or personal narrows)	act disc-read only memory (CD is ' (BB).  (Form is aligned for typewrite)  ape (Check one):  ape (Check one):  ape (Check one):  blc	3. Please Choos Check pays Census De VISA or Mi	Total for Produ  • Method of Pa  able to "Comme  posit Account  asterCard	Price Each  cts Listed  rce-Census'	Total Price
Pic Co	TRONIC MEDIA , Mentation (TD), competuctions — "blowback sase Type or Print.  Media (See abbreviations above)  haracteristics of Tall 9 track, 1600 bpi, EBCC 9 track, 1600 bpi, EBCC aximum block size (if leading (Check one):  aximum block size (if leading additional address/attentional	act disc-read only memory (CD is ' (BB).  (Form is aligned for typewrite)  ape (Check one):  ape (Check one):  ape (Check one):  blc	3. Please Choos Check pays Census De VISA or Me Name on cas Card expirat	Total for Produ  • Method of Pa  able to "Comme  posit Account  asterCard	Price Each  cts Listed  rce-Census'	Total Price

Mail to: Customer Services, Bureau of the Census, Washington, DC 20233 Telephone: 301/763-4100 FAX: 301/763-4794

÷				
				-
			·	
				·

GPO Order For	m	1
---------------	---	---

Order Processing Code

\* 6472

Charge your order. It's easy!





1. Please Type or Print. (Form is aligned for typewriter use.)

(Daytime phone including area code)

PUBL	ICA	TIONS						
Qty. Stock Number		1	Γitle		Price Each	Total Price		
<u> </u>				<del></del>	<del></del>			
		<del></del> -	<del></del> -	<del></del>			<del> </del>	
				<del></del>				
								ļ
SUBS	CRIP	TIONS	<u></u>		_ <del></del> _	Total for Publi	ications	
Qty	·	List ID		Title		<del></del>	Price Each	Total Price
						Total for Subsc	criptions	
				omestic postage and handling. P After that date, please call C		Total Cost of C		
Inform ject to	ation chang	Desk at 202 e at any tim	2-783-3238 to	o verify prices. Subscription price al customers, please add an additi	es are sub-			
Please	Тур	e or Print		3.	. <u>Please</u> Cho	ose Method of Payn	nent:	
2. <sub>(Car</sub>		or personal	a\		Check	payable to the Superi	intendent of D	ocuments
(CO	npany	or personal	Haille)		GPO I	Deposit Account		
(Add	lition	al address/att	tention line)		USA,	or MasterCard Accor	unt	
(Stre	et ad	dress)						
(Cit	y, Sta	te, ZIP Code	e)		(Credit card	expiration date) Th	ank you for	your order!

(Signature)

4. Mail To: Superintendent of Documents, Government Printing Office, Washington, D.C. 20402-9325

·			
			·
			•
•			
·			
			•
	•		
·			

#### **ATTACHMENT 2**

#### OVERVIEW

#### October 1989 School Enrollment Survey

#### General

The October 1989 School Enrollment Survey was conducted as a supplement to that month's Current Population Survey (CPS).

Telephone availability data are also provided on this file. The CPS is a monthly labor force survey conducted in approximately 57,000 households across the Nation.

Attachment 11 contains a facsimile of the October 1989 school enrollment supplement questions asked of all applicable persons 3 years old or older.

Attachment 3 comprises a description of the CPS entitled "Overview--Current Population Survey." A description of the October 1989 School Enrollment Survey follows.

#### Data Collection

All persons 3 years or over were asked the basic school enrollment questions as appropriate.

CPS interviewers were authorized up to 1 1/2 hours to study their home study materials and complete the corresponding exercises. If the interviewers had any particular questions about the supplement, they were advised to address them during a 1-day interviewer group training held prior to CPS interview week.

The regional offices were instructed to perform a supplement edit on a minimum of five CPS-1s for all interviewers to ensure that the supplement was being conducted completely and accurately. The interviewers were notified of inconsistencies or omissions detected during this editing process.

#### Data Processing

The data processing involved editing and weighting the October supplement data. Each process is described below.

**Edits and Allocations**. Basic School Enrollment Items. The data processing involved a consistency edit and allocation module for all school enrollment items.

The consistency edit was concerned mainly with ensuring that the entries within an individual record followed the correct skip pattern. Items with missing entries were assigned values, if appropriate. If not, missing values are allocated using a "hot deck" routine.

Computer Items. The processing of these items involved a consistency edit to check for the correct skip pattern.

Weighting. In various months, differences in the sample, questionnaire, and data uses result in the need for additional procedures to produce a "supplement weight." For the October school enrollment supplement, the adult records are controlled to and agree with, in aggregate, published, composited (but not seasonally adjusted) October 1989 CPS labor force estimates (e.g., employed, unemployed, not in labor force, by age, race, and sex groups). Children' records retain the "basic CPS weight" which reflects controlling to national age, race, sex, and Hispanic origin estimates. The supplement weight should be used in preparing all estimates using data from the supplement items. The supplement weights still sum to the aggregate published, composited (but not seasonally adjusted) October 1989 CPS labor force estimates.

The values and universes for each variable are defined in the supplement record layouts (Attachments 9 and 10).

#### October 1989 CPS/School Enrollment Computer File

CPS Labor Force Data. The October 1989 CPS file contains 161,750 records. Each record contains 464 characters. Attachments 6, 7, and 8 consist of the variable name, character size, location on record, universe, and the values of the variables. The variable H-RECTYP determines the type of record as follows:

#### H-RECTYP

- 1 = Interviewed adult 15+
- 2 = Type A Noninterview (These records represent households that were eligible for the October 1989 CPS interview but, were not interviewed because no one was home, household members were temporarily absent, etc.)
- 3 = Type B/C Noninterview (These records represent sample addresses which were determined to be ineligible for the CPS by virtue of being vacant, demolished, nonresidential, etc.)
- 4 = Armed Forces (For persons 15 years or over in the Armed Forces whose personal information was transcribed from the CPS control card. Note: By definition Armed Forces members are not eligible for the labor force or supplement interviews.)
- 5 = Children 0-14 years of age.

October 1989 School Enrollment Supplement Data. The October supplement data for adults are in locations 0361-0432 and for children in location 0442-0461. (See Attachments 9 and 10).

**Tallying the October 1989 School Enrollment Supplement File.** The October 1989 supplement universe was the full CPS sample comprising of all persons 3 years or over.

The supplement weight A-SUPWGT is in location 0433:0441. Use this weight when tallying all supplement variables of adults 16+. Use the basic weight (A-FNLWGT or C-FNLWGT in location 0248:0255) for tallying individuals age 15 or younger.

**Unweighted Counts.** The following is a list of unweighted counts for H-RECTYP (Record Counts). Use these counts to ensure that the file is being properly accessed.

The values of H-RECTYP are:

#### **Unweighted Counts**

1	=	(Interview Adults)	113,478
2	=	(Type A)	2,629
3	=	(Type B/C)	11,667
4	=	(Armed Forces)	604
5	=	(Children)	33,372

#### **ATTACHMENT 3**

#### **OVERVIEW**

#### **Current Population Survey**

#### Introduction

The Current Population Survey (CPS) is the source of the official Government statistics on employment and unemployment. The CPS has been conducted monthly for over 40 years. Currently, we interview about 57,000 households monthly, scientifically selected on the basis of area of residence to represent the Nation as a whole, individual States, and other specified areas. Each household is interviewed once a month for four consecutive months one year, and again for the corresponding time period a year later. This technique enables us to obtain month-to-month and year-to-year comparisons at a reasonable cost while minimizing the inconvenience to any one household.

Although the main purpose of the survey is to collect information on the employment situation, a very important secondary purpose is to collect information on the demographic status of the population, information such as age, sex, race, marital status, educational attainment, and family structure. From time to time additional questions are included on such important subjects as health, education, income, and previous work experience. The statistics resulting from these questions serve to update similar information collected once every 10 years through the decennial census, and are used by Government policymakers and legislators as important indicators of our Nation's economic situation and for planning and evaluating many Government programs.

The CPS provides current estimates of the economic status and activities of the population of the United States. Because it is not possible to develop one or two overall figures (such as the number of unemployed) that would adequately describe the whole complex of labor market phenomena, the CPS is designed to provide a large amount of detailed and supplementary data. Such data are made available to meet a wide variety of needs on the part of users of labor market information.

Thus, the CPS is the only source of monthly estimates of total employment (both farm and nonfarm); nonfarm self-employed persons, domestics, and unpaid helpers in nonfarm family enterprises; wage and salaried employees; and, finally, estimates of total unemployment.

It provides the only available distribution of workers by the number of hours worked (as distinguished from aggregate or average hours for an industry), permitting separate analyses of part-time workers, workers on overtime, etc. The survey is also the only comprehensive current source of information on the occupation of workers and the industries in which they work. Information is available from the survey not only for persons currently in the labor force but also for those who are outside the labor force. The characteristics of such persons — whether married women with or without young children, disabled persons, students, older retired workers, etc., can be determined. Information on their current desire for work, their past work experience, and their intentions as to job seeking are also available.

#### **CPS Sample**

The CPS sample is based on the civilian noninstitutional population of the United States. The sample is located in 729 sample areas comprising 1,973 counties and independent cities with coverage in every State and in the District of Columbia.

In all, some 71,000 housing units or other living quarters are assigned for interview each month; about 57,000 of them containing approximately 114,500 persons 15 years old and over are interviewed. Also included are demographic data for approximately 33,500 children 0-14 years old and 650 Armed Forces members living with civilians either on or off base within these households. The remainder of the assigned housing units are found to be vacant, converted to nonresidential use, contain persons with residence elsewhere, or are not interviewed because the residents are not found at home after repeated calls, are temporarily absent, or are unavailable for other reasons. Approximately 14,000 noninterview households are present each month. The resulting file size

is approximately 163,000 records. A more precise explanation regarding the CPS sample design is provided in Technical Paper 40, The *Current Population Survey: Design and Methodology*.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see the Bureau of Labor Statistics Report No. 463 and the Current Population Report P-23, No. 62, issued jointly by the Bureau of Labor Statistics and the Bureau of the Census in October, 1976, and entitled Concepts and Methods Used In Labor Statistics Derived from the Current Population Survey.

#### Relationship of Current Population Survey Files to Publications

Each month, a significant amount of information about the labor force is published by the Bureau of Labor Statistics in the *Employment and Earnings and Monthly Labor Review* reports.

As mentioned previously, the CPS also serves as a vehicle for supplemental inquiries on subjects other than employment, which are periodically added to the questionnaire. From the basic and supplemental data the Bureau of the Census issues four series of publications under the general title *Current Population Reports*:

P-20 Population Characteristics P-23 Special Studies P-27 Farm Population P-60 Consumer Income

All Current Population Reports, including the other series for population estimates and projections and special censuses, may be obtained by subscription from the Government Printing Office. They are available in the following subscription packages: Population Characteristics, Special Studies, Farm Population, and Consumer Income series (P-20, P-23, P-27, P-60) combined, \$71.00 per year; Population Estimates and Projections, (P-25), \$25.00 per year. A customer interested in all reports must subscribe to both subscription packages. Alternatively, single issues may be ordered separately; ordering information and prices are provided in the Bureau of the Census Catalog, the Monthly Product Announcement (MPA), and in the Data User News.

#### **Geographic Limitations**

It should be kept in mind that the sample design and methods of weighting CPS data are geared towards producing estimates for the entire Nation. In producing estimates for States, the user should be aware that the primary sampling units (PSU's) are drawn from strata which may or may not cross State lines. Consequently, the data would not be as reliable as national data, and the file may lose some of its utility in certain applications. For further discussion of such considerations, the user should consult Technical Paper 40, *The Current Population Survey: Design and Methodology*.

The nature of the work done by each individual investigator using the microdata file will determine to what extent his/her requirements for precision will allow using some of the smaller geographic areas identified on the file.

#### Weights

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns for the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

- 1. Noninterview adjustment. The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups--two race categories (White, and Black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, season, etc.
- 2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:
  - a. First-stage ratio estimate. In the CPS, a portion of the 729 sample areas is chosen to represent both itself and other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, Midwest, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan/nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.
  - b. Second-stage ratio estimate. In this stage, the sample estimates of the U.S. population in the categories described below are adjusted to independently derived current estimates of the population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted for each State and the District of Columbia to an independent control for the civilian noninstitutional population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population, 15 years and over, within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is Iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of the National age-sex-race categories will be virtually equal to the independent population estimates. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the Current Population Survey beginning in January 1982," Employment and Earnings, February 1982.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age July 1 are published annually in Current Population Reports, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980 total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980 total population was computed by adding together the resident population, consistent with that published in the 1980 census Advance Reports, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports. Data on births and deaths between April 1, 1980 and the estimate data are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total, including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas, for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 15 years old and older.

#### Comparability of CPS From Microdata Files With Published Sources.

Although total estimates of the population will equal published estimates, labor force estimates produced from a microdata file will not be directly comparable or identical with the published nonseasonally adjusted labor force data. The major reason for this is due to a final estimation procedure incorporated into the production of the published nonseasonally adjusted data. This procedure, known as a composite estimator, is a weighted average of two estimates for the current month for any particular item. The first estimate is the two-stage ratio estimate that includes all the estimation steps given above. The second estimate consists of the composite estimate for the preceding month to which has been added an estimate of the change from the preceding month, based on that part of the sample which is common to the two months (about 75 percent). This procedure is primarily used to increase the reliability of estimates of month-to-month change, although other reliability gains are also realized. As noted above, the composite estimation procedure does not affect estimates of the total population.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many publi shed statistics. These adjustments are used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes. Shown below are data from January and July 1982 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. (Refer to Technical Paper 40 for a further description of both the composite estimator and seasonal adjustments.)

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
		January 19	982 Data (000's)		-
Final Weights	171,335	108,161	97,928	10,234	63,174
Composited (Not seasonally Adjusted)	171,335	108,014	97,831	10,183	63,321
Composited (Seasonally Adjusted)	171,335	108,879	99,581	9,298	<b>62</b> ,456
		<u>July 1982 [</u>	Data (000's)		
Final Weights	172,364	112,850	101,904	10,946	59,513
Composited (Not seasonally Adjusted)	172,364	112,526	101,490	11,036	59.838
Composited (Seasonally Adjusted)	172,364	110,522	99,732	10,790	61,842

In various months, differences in the sample, questionnaire, and data uses result in the need for additional adjustment procedures to produce what is called a supplement weight. Such adjustments can include, but are not limited to, supplemental noninterview adjustments, inflation of weights due to a restricted supplemental universe (such as only 4 of 8 rotation groups), or controlling to various independent population controls. In some instances, including most October school enrollment supplements, the supplement weight is controlled to and agrees with, in aggregate, the published composited estimates. Regardless of how the supplement weight was produced, when available it should be used in preparing all estimates using data from supplement items. Further documentation covering the use of the supplemental data is included as part of the supplemental documentation.

#### **ATTACHMENT 4**

#### **GLOSSARY**

#### Subject Concepts

Age. Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 15 years old and over for March supplement data and 14 years and over for CPS labor force data. Prior to 1980, the adult universe was 14 years old and over for March supplement data.

Annuities. (See Income.)

**Armed Forces**. Armed Forces members enumerated in off-base housing or on base with their families are included on the CPS data file in March. Only supplemental data on income are included for Armed Forces members.

Base Weight. The constant weight assigned to the sample (inverse of the sampling fraction) which is adjusted to produce the final weight.

Civilian Labor Force. (See Labor Force.)

Class of Worker. This refers to the broad classification of the person's employer. On the March file, these broad classifications for current jobs are private, government, self-employed, without pay, and never worked. Private and government workers are considered "wage and salary workers;" this classification scheme includes self-employed, incorporated persons in with "private" workers. For the longest job held last year, this class of worker scheme includes private; government by level--Federal, State, and local; self-employed incorporated farm/nonfarm; and without pay. The wage and salary category for longest job held includes private, government (all levels), and self-employed, incorporated.

Dividends. (See Income.)

**Duration of Unemployment.** Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed are continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic **mean** computed from a distribution by single weeks of unemployment.

**Earners**, **Number of**. The file includes all persons 15 years old and over in the household with \$1 or more in wages and salaries, or \$1 or more of a loss in net income from farm or nonfarm self-employment during the preceding year.

Earnings Weight. Each person record allows for an earnings weight for current earnings.

Education. (See Years of School Completed.)

Employed. (See Labor Force.)

Energy Assistance Program. The Low-Income Energy Assistance Program provides financial assistance to qualified households to help them pay heating costs. The program is funded by the Federal government and administered by the States under broad guidelines. In some States a household may automatically be eligible for this program if the household receives (1) Aid to Families with Dependent Children, (2) Food Stamps, (3) Supplemental Security Income (SSI), and (4) certain Veterans' benefits.

The energy assistance questions were asked for the first time in 1982. Questions asked in the March 1988 survey included (1) recipiency since October 1, 1985, (2) total amount received during the reference period, (3) the principal type of heating fuel used by the household, and (4) if the household was without heat because of inability to pay the heating fuel bill.

**ESR** (Employment Status Recode). This classification is available for each civilian 14 years old and over according to his/her responses to the monthly (basic) labor force items in March.

**Family**. A family is a group of two persons or more (one of whom is the householder) residing together and related by birth, marriage, or adoption. All such persons (including related subfamily members) are considered as members of one family. Beginning with the 1980 CPS, unrelated subfamilies (referred to in the past as secondary families) are no longer included in the count of families, nor are the members of unrelated subfamilies included in the count of family members.

Family Household. A family household is a household maintained by a family (as defined above), and may include among the household members any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there. The number of family households is equal to the number of families. The count of family household members differs from the count of family members, however, in that the family household members include all persons living in the household, whereas family members include only the householder and his/her relatives. (See the definition of Family).

**Family Weight**. The weight on the family record is the March supplement weight of the householder or reference person.

Farm Self-Employment Net Income. The term is defined as net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his own account, as an owner, as a renter, or as a sharecropper. Gross receipts include the value of all products sold, government crop loans, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc.

Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farm hands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal income taxes), etc. The value of fuel, food, or other farm products used for household living is not included as part of net income. Inventory changes are considered in determining net income only when they are accounted for in replies based on income tax returns or other official records which reflect inventory changes.

**Final Weight**. Used in tabulating monthly labor force items. This weight should not be used when tabulating March supplement data.

Food Stamps. The Food Stamp Act of 1977 was enacted for the purpose of increasing the food purchasing power of eligible households through the use of coupons to purchase food. The Food and Nutrition Service of the U.S. Department of Agriculture (USDA) administers the Food Stamp Program through State and local welfare offices. The Food Stamp Program is the major national income support program which provides benefits to all low-income and low-resource households regardless of household characteristics (e.g., sex, age, disability, etc.). The questions on participation in the Food Stamp Program in the March 1988 CPS were designed to identify households in which one or more of the current members received food stamps during 1986. Once a food stamp household was identified, a question was asked to determine the number of current household members covered by food stamps during 1986. Questions were also asked about the number of months food stamps were received during 1986 and the total face value of all food stamps received during that period.

Full-Time Worker. Persons on full-time schedules include persons working 35 hours or more, persons who worked 1-34 hours for noneconomic reasons (e.g., illness) and usually work full-time, and persons "with a job but not at work" who usually work full-time.

**Group Health Insurance Coverage**. Civilian persons 15 years old and over who worked in 1986 and who participated in group health insurance plans provided by the employer or union were asked whether part or all of the health insurance premiums were paid for by the union or employer and the extent of persons covered.

Additional questions were asked to determine if sample persons were covered by any other type of health insurance plan. These items are intended to measure retirees covered by continuing employer provided coverage and persons who purchased coverage on their own.

**Group Quarters**. Group quarters are noninstitutional living arrangements for groups not living in conventional housing units or groups living in housing units containing nine or more persons unrelated to the person in charge.

**Head Versus Householder**. Beginning with the March 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used.

Highest Grade of School Attended. (See Years of School Completed.)

**Hours of Work**. Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who is off on the Veterans Day holiday is reported as working 32 hours even though he is paid for the holiday.

For persons working in more than one job, the figures related to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Household. A household consists of all the persons who occupy a house, an apartment, or other group of rooms, or a room, which constitutes a housing unit. A group of rooms or a single room is regarded as a housing unit when it is occupied as separate living quarters; that is, when the occupants do not live and eat with any other person in the structure, and when there is direct access from the outside or through a common hall. The count of households excludes persons living in group quarters, such as rooming houses, military barracks, and institutions. Inmates of institutions (mental hospitals, rest homes, correctional institutions, etc.) are not included in the survey.

Household Weight. Household weight is the March Supplement weight of the householder.

**Householder.** The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

**Householder With No Other Relatives in Household**. A householder who has no relatives living in the household. This is the entry for a person living alone. Another example is the designated householder of an apartment shared by two or more unrelated individuals.

Householder With Other Relatives (Including Spouse) in Household. The person designated as householder if he/she has one or more relatives (including spouse) living in the household.

**Husband in Armed Forces.** When a woman is reported as married but her husband is not enumerated as a member of the same household, an additional question is asked to determine whether her husband is in the Armed Forces. This additional probe is unique to the March CPS only. Women who are reported as separated are not asked the additional question.

**Income**. For each person in the sample who is 15 years old and over, questions are asked on the amount of money income received in the preceding calendar year from each of the following sources: (1) money wages or salary; (2) net income from nonfarm self-employment; (3) net income from farm self-employment; (4) Social Security or railroad retirement; (5) Supplemental Security income; (6) public assistance or welfare payments;

- (7) interest (on savings or bonds); (8) dividends, income from estates or trusts, or net rental income;
- (9) veterans' payment or unemployment and workmen's compensation; (10) private pensions or government employee pensions; (11) alimony or child support, regular contributions from persons not living in the household, and other periodic income.

Although income statistics refer to receipts during the preceding year, the characteristics of the person such as age, labor force status, etc., and the composition of households refer to the time of the survey. The income of the household does not include amounts received by persons who are members of the household during all or part of the income year if these persons no longer resided with the household at the time of enumeration. On the other hand, household income includes amounts reported by persons who did not reside with the household during the income year but who were members of the household at the time of enumeration.

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Also, money income does not reflect the fact that some households receive part of their income in the form of nonmoney transfers such as food stamps, health benefits, subsidized housing, and energy assistance; that many farm households receive nonmoney income in the form of rent free housing and goods produced and consumed on the farm; or that nonmoney income is received by some nonfarm residents that often takes the form of the use of business transportation and facilities, or full or partial contributions for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. Moreover, readers should be aware that for many different reasons there is a tendency in household surveys for respondents to under report their income. From an analysis of independently derived income estimates, it has been determined that wages and salaries tend to be much better reported than such income types as public assistance, Social Security, and net income from interest, dividends, rents, etc.

**Income Sources – Wages and Salary**. Money wages or salary is defined as total money earnings received for work performed as an employee during the income year. It includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned, before deductions are made for taxes, bonds, pensions, union dues, etc. Earnings for self-employed incorporated businesses are considered wage and salary.

**Income Sources – Nonfarm Self-Employment**. Net income from nonfarm self-employment is net money income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses include costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc. In general, inventory changes are considered in determining net income since replies based on income tax returns or other official records do reflect inventory changes. However, when values of inventory changes are not reported, net income figures exclusive of inventory changes are accepted. The value of saleable merchandise consumed by the proprietors of retail stores is not included as part of net income.

**Income Sources – Farm Self-Employment.** Net income from farm self-employment is net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his own account, as an owner, as a renter, or as a sharecropper. Gross receipts include the value of all products sold, government crop loans, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc.

Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farm hands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal income taxes), etc. The value of fuel, food, or other farm products used for family living is not included as part of net income. In general, inventory changes are considered in determining net income only when they are accounted for in replies based on income tax returns or other official records which reflect inventory changes; otherwise, inventory changes are not taken into account.

**Income Sources – Social Security.** Social Security includes Social Security pensions and survivors' benefits, and permanent disability insurance payments made by the Social Security Administration prior to deductions for medical insurance and railroad retirement insurance checks from the U.S. Government. "Medicare" reimbursements are not included.

Income Sources – Supplemental Security Income. Supplemental Security Income includes payments made by Federal, State, and local welfare agencies to low income persons who are (1) aged (65 years old and over), (2) blind, or (3) disabled.

**Income Sources** — **Public Assistance**. Public assistance or welfare payments include public assistance payments such as aid to families with dependent children and general assistance.

**Income Sources – Interest and Dividends.** Interest, dividends, income from estates or trusts, net rental income or royalties include dividends from stockholdings or membership in associations, interest on savings or bonds, periodic receipts from estates or trust funds, net income from rental of a house, store, or other property to others, receipts from boarders or lodgers, and net royalties.

Income Sources – Unemployment Compensation, Worker's Compensation, and Veterans' Payments. Unemployment compensation, veterans' payments, or worker's compensation includes: (1) unemployment compensation received from government unemployment insurance agencies or private companies during periods of unemployment and any strike benefits received from union funds; (2) money paid periodically by the Veterans Administration to disabled members of the Armed Forces or to survivors of deceased veterans, subsistence allowances paid to veterans for education and on-the-job training, as well as so-called "refunds" paid to exservicemen as GI insurance premiums; and (3) worker's compensation received periodically from public or private insurance companies for injuries incurred at work. The cost of this insurance must have been paid by the employer and not by the person.

Income Sources – Private and Government Pensions and Annuities. Many employers and unions have established pension program their employees so that upon retirement the employee will receive regular Income to replace his/her earnings. Many of these programs also provide income to the employees if he/she becomes severely disabled, or to his/her survivors if the employee dies. Other types of retirement income include annuities and paid up life insurance policies. Some people purchase annuities which yield a set amount over a certain number of years. Other people may convert their paid up life insurance policy into an annuity after they retire.

Income Sources – Alimony and Child Support. Alimony is money received periodically from a former spouse following a divorce or separation. Child support is money received from a former spouse for the support of their children following a divorce or legal separation. Money received from relatives or friends other than the former husband or wife is not considered as child support.

Receipts Not Counted As Income. Receipts from the following sources are not included as income:

(1) Money received from the sale of property, such as stocks, bonds, a house, or a car (unless the person is engaged in the business of selling such property, in which case the net proceeds is counted as income from self-employment); (2) withdrawals of bank deposits; (3) money borrowed; (4) tax refunds; (5) gifts; and (6) lump-sum inheritances of insurance payments.

Industry, Occupation, and Class of Worker (I&O) - Current Job (basic data). For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time job lasting two or more weeks or by the job (either full-time or part-time). The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years. The occupation/industry classification system for the 1980 Census of Population was used to code March CPS data beginning with the March 1983 file.

Industry, Occupation, and Class of Worker-Longest Job (supplement data). Longest job applies to the job held longest during the preceding year for persons who worked that year, without regard to their current employment status.

#### Character Position

Subject		Current or Most Recent Full-Time Job	Longest Job Last Year (Work Experience)
industry	3 digit detailed	P 49-51	P 151-153
	2-digit detailed (Recode)	P 52-53	P 322-323
-	Major Group Recode	N/A	P 316-317
Occupation	3-digit detailed	P 56-58	P 154-156
`	2-digit detailed (Recode)	P 54-55	P 318-319
	Major Group recode	N/A	P 320-321
Class of Worker		P 59	P 314

**Job Seekers**. All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week.

**Keeping House.** Persons are classified as keeping house if they engage in own housework. This is one of the "not in labor force" classifications--employment status recode (ESR) = 4.

**Labor Force.** Persons are classified as in the labor force if they are employed, unemployed, or in the Armed Forces during the survey week. The "civilian labor force" includes all civilians classified as employed or unemployed. The file includes labor force data for civilians age 14 and over. However, the official definition of the civilian labor force is age 16 and over.

- 1. Employed. Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or labor-management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs. These persons would have an Employment Status Recode (ESR) of 1 or 2 respectively in character 12 of the person record which designates "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.
- 2. Unemployed. Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an ESR code of 3 in

character 12 of the person record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.

- a. **Job Leavers**. Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.
- Job Losers. Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.
- c. **New Job Entrants.** Persons who never worked at a full-time job lasting two weeks or longer.
- d. Job Reentrants. Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.
- 3. Not in Labor Force. All civilians 14 years old and over who are not classified as employed or unemployed. These persons are further classified as major activity: keeping house, going to school, unable to work because of long-term physical or mental illness, and other. The "other" group includes, for the most part, retired persons. Persons who report doing unpaid work in a family farm or business for less than 15 hours are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for three previous months and would not be in for the subsequent month.

These items are asked in question 24; see the questionnaire facsimile. Such persons have an ESR code of 4-7 in character 12 of the person record.

Finally, it should be noted that the unemployment rate represents the number of persons unemployed as a percent of the civilian labor force 16 years old and over. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job loser, Job leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force 16 years old and over; the sum of the rates for the four groups thus equals the total unemployment rate.

**Layoff.** A person who is unemployed but expects to be called back to a specific job. If he/she expects to be called back within 30 days, it is considered a temporary layoff; otherwise, it is an indefinite layoff.

Looking for Work. A person who is trying to get work or trying to establish a business or profession.

**March Supplement Weight**. The March supplement weight is on all person records and is used to produce "supplement" estimates; that is, income, work experience, migration, and family characteristic estimates.

**Marital Status.** The marital status classification identifies four major categories: single (never married), married, widowed, and divorced. These terms refer to the marital status at the time of enumeration.

The category "married" is further divided into "married, civilian spouse present," "married, Armed Force spouse present," "married, spouse absent," "married, Armed Force spouse absent," and "separated." A person is classified

as "married, spouse present" if the husband or wife is reported as a member of the household even though he or she may be temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as "separated" included those with legal separations, those living apart with intentions of obtaining a divorce, and other persons permanently or temporarily estranged from their spouses because of marital discord.

For the purpose of this file, the group "other marital status" includes "widowed and divorced," "separated," and "other married, spouse absent."

Medicare. The Medicare Program is designed to provide medical care for the aged and disabled. The Basic Hospital Insurance Plan (Part A) is designed to provide basic protection against hospital costs and related post-hospital services. This plan also covers many persons under 65 years old who receive Social Security or railroad retirement benefits based on long-term disability. Part A is financed jointly by employers and employees through Social Security payroll deductions. Qualified persons 65 years old and over who are not otherwise eligible for Part A benefits may pay premiums directly to obtain this coverage. The Medical insurance Plan (Part B) is a voluntary plan which builds upon the hospital insurance protection provided by the basic plan. It provides insurance protection covering physicians' and surgeons' services and a variety of medical and other health services received either in hospitals or on an ambulatory basis. It is financed through monthly premium payments by each enrollee, and subsidized by Federal general revenue funds.

The Medicare question on the March 1988 CPS attempted to identify all persons 15 years old and over who were "covered" by Medicare at any time during 1986. The term "covered" means enrolled in the Medicare Program. In order to be counted, the person **did not** necessarily have to receive medical care paid for by Medicare.

Medicaid. The Medicaid Program is designed to provide medical assistance to needy families with dependent children, and to aged, blind, or permanently and totally disabled individuals whose incomes and resources are insufficient to meet the costs of necessary medical services. The program is administered by State agencies through grants from the Health Care Financing Administration of the Department of Health and Human Services. Funding for medical assistance payments consists of a combination of Federal, State, and in some cases, local funds.

Medicaid is a categorical program with complex eligibility rules which vary from State to State. There are two basic groups of eligible individuals: the categorically eligible and the medically needy. The major categorically eligible groups are all Ald to families with Dependent Children (AFDC) recipients and most Supplemental Security Income (SSI) recipients. Other categorically eligible groups are (1) those who meet basic State cash assistance eligibility rules--aged, blind, disabled, needy single parents with children, and, in some States, needy unemployed parents with children, but who are not currently receiving money payments; and (2) needy persons who meet categorical eligibility standards but are institutionalized for medical reasons (e.g., low-income elderly persons in nursing homes). However, such institutionalized persons are not included in the CPS universe and, therefore, are not reflected in these statistics.

In roughly one-half of the States, coverage is extended to the medically needy-persons meeting categorical age, sex, or disability criteria, whose money incomes and assets exceed eligibility levels for cash assistance but are not sufficient to meet the cost of medical care. In such States, qualifying income and asset levels are usually above those set for cash assistance. Families with large medical expenses relative to their incomes and assets may also meet medically needy eligibility standards in these States.

The Medicaid question on the March 1988 CPS attempted to identify all persons who were "covered" by Medicaid at any time during 1986. The term "covered" means enrolled in the Medicaid program, i.e., had a Medicaid medical assistance card, or incurred medical bills which were paid for by Medicaid. In order to be counted, the person did not have to receive medical care paid for by Medicaid.

After data collection and creation of an initial microdata file, further refinements were made to assign Medicaid coverage to children. In this procedure all children under 21 years old in families were assumed to be covered by Medicaid if either the householder or spouse reported being covered by Medicaid (this procedure was required mainly because the Medicaid coverage question was asked only for persons 15 years old and over). All adult AFDC recipients and their children, and SSI recipients living in States which legally require Medicaid coverage of all SSI recipients, were also assigned coverage.

**Mobility Status.** The population of the United States, 15 years old and over, is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the March 1988 CPS and the place of residence in March 1986.

The information on mobility status is obtained from the responses to a series of inquiries. The first of three inquiries is: "Was...living in this house 1 year ago...?" If the answer was "No," the enumerator asked, "Where did...live on March 1, 1986?" In classification, three main categories distinguish nonmovers, movers, and persons abroad.

Nonmovers are all persons who are living in the same house at the end of the period as at the beginning of the period. Movers are all persons who are living in a different house at the end of the period than at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence is outside the United States at the beginning of the period, that is, in an outlying area under the jurisdiction of the United States or in a foreign country.

**Month-In-Sample**. The term is defined as the number of times a unit is interviewed. Each unit is interviewed eight times during the life of the sample.

Never Worked. A person who has never held a full-time civilian job lasting two consecutive weeks or more.

**Nonfamily Householder.** A nonfamily householder (formerly called a primary individual) is a person maintaining a household while living alone or with nonrelatives only.

Nonfarm Self-employment Net Income. The term is defined as net money income (gross receipts minus expenses) from an individual's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses include costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc. In general, inventory changes are considered in determining net income; replies based on income tax returns or other official records do reflect inventory changes; however, when values of inventory changes are not reported, net income figures exclusive of inventory changes are accepted. The value of saleable merchandise consumed by the proprietors of retail stores is not included as part of net income.

Nonworker. A person who does not do any work in the calendar year preceding the survey.

**Nonrelative of Householder With No Own Relatives in Household.** A nonrelative of the householder who has no relative(s) of his own in the household. This category includes such nonrelatives as a foster child, a ward, a lodger, a servant, or a hired hand, who has no relatives of his own living with him in the household.

Nonrelative of Householder With Own Relatives (Including Spouse) in Household. Any household member who is not related to the householder but has relatives of his own in the household; for example, a lodger, his spouse, and their son.

Other Relative of Householder. Any relative of the householder other than his spouse or child; for example, father, mother, grandson, daughter-in-law, etc.

Own Child. A child related by birth, marriage, or adoption to the family householder.

**Part-Time**, **Economic Reasons**. The item includes slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. (See also Full-Time Worker.)

Part-Time Other Reasons. The Item includes labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season.

Part-Time Work. Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week. For the March supplement, a person is classified as having worked part-time during the preceding calendar year if he worked less than 35 hours per week in a majority of the weeks in which he

worked during the year. Conversely, he is classified as having worked full-time if he worked 35 hours or more per week during a majority of the weeks in which he worked.

Part-Year Work. Part-year work is classified as less than 50 weeks' work.

**Pension Plan**. The pension plan question on the March 1988 CPS attempted to identify if pension plan coverage was available through an employer or union and if the employee was included. This information was collected for civilian persons 15 years old and over who worked during 1986.

**Population Coverage.** Population coverage includes the civilian population of the United States plus approximately 820,000 members of the Armed Forces in the United States living off post or with their families on post but excludes all other members of the Armed Forces. This file excludes inmates of institutions. The labor force and work experience data are not collected for Armed Forces members.

**Poverty.** In this file, families and unrelated individuals are classified as being above or below the poverty level using a poverty index adopted by a Federal Interagency Committee in 1969 and slightly modified in 1981.

The modified index provides a range of income cutoffs or "poverty thresholds" adjusted to take into account family size, number of children, and age of the family householder or unrelated individual; prior to 1981, adjustments were also made on the basis of farm-nonfarm residence and sex of the householder. The impact of these revisions on the poverty estimates is minimal at the national level. The poverty cutoffs are updated every year to reflect changes in the Consumer Price Index. The average poverty threshold for a family of four was \$10,989 in 1985. For a detailed explanation of the poverty definition, see **Current Population Reports**, Series P-60, No. 154 "Money Income and Poverty Status of Persons in the United States: 1985."

Public Assistance. (See Income.)

**Public or Other Subsidized Housing.** Participation in public housing is determined by two factors: program eligibility and the availability of housing. Income standards for initial and continuing occupancy vary by local housing authority, although the limits are constrained by Federal guidelines. Rental charges, which, in turn, define net benefits, are set by a Federal statute not to exceed 30 percent of net monthly money income. A recipient unit can either be a family of two or more related persons or an individual who is handicapped, elderly, or displaced by urban renewal or natural disaster.

There are some programs through which housing assistance is provided to low-income families and individuals living in public or privately owned dwellings. Two of the more common types of programs in which Federal, State, and local funds are used to subsidize private sector housing are rent supplement and interest reduction plans. Under a rent supplement plan the difference between the "fair market" rent and the rent charged to the tenant is paid to the owner by a government agency. Under an interest reduction program the amount of interest paid on the mortgage by the owner is reduced so that subsequent savings can be passed along to low income tenants in the form of lower rent charges.

There were two questions dealing with public and low cost housing on the March 1988 CPS supplement questionnaire. The first question identifies residence in a housing unit owned by a public agency. The second question identifies beneficiaries who were not living in public housing projects, but who were paying lower rent due to a government subsidy. These questions differ from other questions covering noncash benefits in that they establish current recipiency status in March 1988 rather than recipiency status during 1986.

Race. The population is divided into three groups on the basis of race: White, Black, and Other races. The last category includes Indians, Japanese, Chinese, and any other race except White and Black. In most of the published tables, "Other Races" are shown in total population.

Receipts Not Counted as Income. Receipts from the following sources are not included as Income: (1) money received from the sale of property, such as stocks, bonds, a house, or a car (unless the person was engaged in the business of selling such property, in which case the net proceeds would be counted as income from self-

employment); (2) withdrawals of bank deposits; (3) money borrowed; (4) tax refunds; (5) gifts; and (6) lump-sum inheritances or insurance payments.

**Reentrants**. Persons who previously worked at a full-time job lasting two weeks or longer but who are out of the labor force prior to beginning to look for work.

Related Children. Related children in a family include own children and all other children in the household who are related to the householder by birth, marriage, or adoption. For each type of family unit identified in the CPS, the count of own children under 18 years old is limited to single (never married) children; however, "own children under 25" and "own children of any age," include all children regardless of marital status. The totals include never-married children living away from home in college dormitories.

Related Subfamily. A related subfamily is a married couple with or without children, or one parent with one or more own single (never married) children under 18 years old, living in a household and related to, but not including, the householder or spouse. The most common example of a related subfamily is a young married couple sharing the home of the husband's or wife's parents. The number of related subfamilies is not included in the number of families.

**School.** A person who spent most of his time during the survey week attending any kind of public or private school, including trade or vocational schools in which students receive no compensation in money or kind.

School Lunches. The National School Lunch Program is designed to assist States in providing a school lunch for all children at moderate cost. The National School Lunch Act of 1946 was further amended in 1970 to provide free and reduced-price school lunches for children of needy families. The program is administered by the Food and Nutrition Service of the U.S. Department of Agriculture (USDA) through State educational agencies or through regional USDA nutrition services for nonprofit private schools. The program is funded by a combination of Federal funds and matching State funds.

All students eating lunches prepared at participating schools pay less than the total cost of the funches. Some students pay the "full established" price for lunch (which itself is subsidized) while others pay a "reduced" price for lunch, and still others receive a "free" lunch. Program regulations require students receiving free lunches to live in households with incomes below 125 percent of the official poverty level. Those students receiving a reduced-price school lunch (10 to 20 cents per meal) live in households with incomes between 125 percent and 195 percent of the official poverty level. The data in this file, however, do not distinguish between recipiency of free and reduced-price school lunches.

The questions on the March 1988 CPS provide a very limited amount of data for the school lunch program. Questions concerning the school lunch program were designed to identify the number of members 5 to 18 years old in households who "usually" ate a hot lunch. This defined the universe of household members usually receiving this noncash benefit. This was followed by a question to identify the number of members receiving free or reduced price lunches.

**Secondary Individual.** A secondary individual is a person in a household or group quarters such as a guest, roomer, boarder, or resident employee (excluding nonfamily households and inmates of Institutions) who is not related to any other person in the household or group quarters.

**Self-Employed**. Self-employed persons are those who work for profit or fees in their own business, profession or trade, or operate a farm.

**Spanish Origin**. Persons of Spanish origin in this file are determined on the basis of a question that asked for self-identification of the person's origin or descent. Respondents are asked to select their origin (or the origin of some other household member) from a "flash card" listing ethnic origins. Persons of Spanish origin, in particular, are those who indicated that their origin was Mexican-American, Chicano, Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or other Spanish.

**Stretches of Unemployment**. A continuous stretch is one that is not interrupted by the person getting a job or leaving the labor market to go to school, to keep house, etc. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the period of seeking work.

**Total Money Income**. The term is defined as the arithmetic sum of money wages and salaries, net income from selfemployment, and income other than earnings. The total income of a household is the arithmetic sum of the amounts received by all income recipients in the household.

**Unable to Work**. A person is classified as unable to work because of long-term physical or mental illness, lasting six months or longer.

Unemployed. (See Labor Force.)

**Unemployment Compensation**. (See Income.)

**Unpaid Family Workers**. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Unrelated Individuals. Unrelated individuals are persons of any age (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be (1) a nonfamily householder living alone or with nonrelatives only, (2) a roomer, boarder, or resident employee with no relatives in the household, or (3) a group quarters member who has no relatives living with him/her. Thus, a widow who occupies her house alone or with one or more other persons not related to her, a roomer not related to anyone else in the housing unit, a maid living as a member of her employer's household but with no relatives in the household, and a resident staff member in a hospital living apart from any relatives are all examples of unrelated individuals.

**Unrelated Subfamily**. An unrelated subfamily is a family that does not include among its members the householder and relatives of the householder. Members of unrelated subfamilies may include persons such as guests, roomers, boarders, or resident employees and their relatives living in a household. The number of unrelated subfamily members is included in the number of household members but is not included in the count of family members.

Persons living with relatives in group quarters were formerly considered as members of families. However, the number of such unrelated subfamilies became so small (37,000 in 1967) that beginning with the data for 1968 (and beginning with the census data for 1960) the Bureau of the Census includes persons in these unrelated subfamilies in the count of secondary individuals.

**Veteran Status**. If a male served at any time during the four major wars of this century, the code for the most recent wartime service is entered. The following codes are used:

- 0 Females, children under 15
- 1 Vietnam era
- 2 Korean
- 3 WWI
- 4 WWII
- 5 Other Service
- 6 Nonveteran

**Wage and Salary Workers**. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Also included are persons who are self-employed in an incorporated business. (See income.)

**Weeks Worked in the Income Year**. Persons are classified according to the number of different weeks, during the preceding calendar year, in which they did any civilian work for pay or profit (including paid vacations and sick leave) or worked without pay on a family-operated farm or business.

Workers. (See Labor Force--Employed.)

**Work Experience**. Includes those persons who during the preceding calendar year did any work for pay or profit or worked without pay on a family-operated farm or business at any time during the year, on a part-time or full-time basis.

**Year-Round Full-Time Worker**. A year-round full-time worker is one who usually worked 35 hours or more per week for 50 weeks or more during the preceding calendar year.

Years of School Completed. Data on years of school completed are derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade is finished. Educational attainment applies only to progress in "regular" school. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system.

.

#### **GLOSSARY**

#### Geographic Concepts

**Geographic Division**. An area composed of contiguous States, with Alaska and Hawaii also included in one of the divisions. (A State is one of the 51 major political units in the United States.) The nine geographic divisions have been largely unchanged for the presentation of summary statistics since the 1910 census.

**Regions**. There are four regions: Northeast, Midwest (formerly North Central), <sup>1</sup> West, and South. States and divisions within regions are presented below.

#### NORTHEAST REGION

## New England Division

#### Middle Atlantic Division

Connecticut
Maine
Massachusetts
New Hampshire

Massachusetts New Hampshire Rhode Island Vermont New Jersey New York Pennsylvania

#### MIDWEST REGION

#### East North Central Division

#### West North Central Division

Illinois Indiana Michigan Ohio Wisconsin Iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota

#### **WEST REGION**

#### Mountain Division

#### Pacific Division

Arizona Colorado Idaho Montana Nevada Utah Wyoming Alaska California Hawaii Oregon Washington

<sup>1.</sup> The Midwest Region was designated as the North Central Region until June 1984.

### SOUTH REGION

## East South Central Division

## West South Central Division

Alabama Kentucky Mississippi Tennessee Arkansas Louisiana Oklahoma Texas

## South Atlantic Division

Delaware
District of Columbia
Florida
Georgia
Maryland
North Carolina
South Carolina
Virginia
West Virginia

#### **ATTACHMENT 5**

#### How to Use the Data Dictionary

The Data Dictionary describes the contents and record layout of the public-use computer tape file. The first line of each data item description gives the data name, size of the data field, and relative begin position of the field.

The next few lines contain descriptive text and any applicable notes. Categorical value codes and labels are given where needed. Comment notes marked by an (\*) are provided throughout.

**Data**. Alphabetic, numeric, and the special characters (- and %). No other special characters are used. It may be a mnemonic such as "H-DAYCMP" or "H-LIVQRT," or a sequential identifier such as "H-INTRV1" or "A-WHYNL1". Data item names are unique throughout the entire file (all 3 record types).

**Size**. Numeric. The size of a data item is given in characters. Indication of implied decimal places is provided in notes.

Begin. Numeric. Contains the location in the data record of the first character position of the data item field.

Decimal. Numeric. Contains the number of decimal places, where applicable.

The first line of each data item description begins with the character "D" (left-justified, two characters). The "D" flag indicates lines in the data dictionary containing the name, size, and begin position of each data item. This information (in machine-readable form) can be used to help access the data file. The line beginning with the character "U" describes the universe for that item. Lines containing categorical value codes and labels follow next and begin with the character "V". The special character (.) denotes the start of the value labels. Examples of data item descriptions follow:

```
D A-WANTJB
D H-DAYCMP
                                                          Item 240 - Does ... want a regular
    Day interview complete
                                                          Job now, either full or part-time
U All
                                                    U NLFROT (1-24)=2
٧
          -1 .Blank
                                                      A-WANT JB (I+24C)=1 or 2
٧
           1 .Sunday
                                                              -1 .Not in universe
           2 .Monday
                                                               1 .Yes
٧
          3 .Tuesday
                                                                2 .Maybe-it depends
                                                    ٧
٧
           4 .Wednesday
                                                    ٧
                                                                3 .No
٧
           5 .Thursday
                                                               4 .Don't know
           6 .Friday
                                                          Item 24D - What are the reasons
٧
           7 .Saturday
                                                          ... is not looking for work
           8 .After interview
                                                          (Multiple entries possible)
             .week
                                                    D A-WHYNI 1
                                                                  1
                                                                        172
                                                         Believes no work available
                                                              -1 .Not in universe
                                                    ٧
                                                                1 .Entry
```

#### **Data Dictionary Layout**

Data dictionary lines are 46 characters. The character on the first position determines the type of lines. Each variable may have the following lines:

- 1. COMMENTS ("\*") lines
- 2. DATA DICTIONARY ("D"); line and DATA DESCRIPTION
- 3. UNIVERSE ("U") lines
- 4. VALUE DESCRIPTION lines
- 5. One blank line at the end

#### **FORMAT**

#### "\*" LINE -- COMMENTS

- a. "\*" in the first position indicates that this is a coment line. This line can appear any place in the dictionary. It will be used for short comments or to nullify any value codes.
- b. "\*\*" in the first two positions is also comments but it has additional meaning. It indicates this is a block of comments which will be applied to several variables.

#### "D" LINE - DATA DICTIONARY

This line contains the following information:

ID	<b>'D''</b>	COL.	1-1
NAME	Variable name	COL.	3-10
SIZE	Size of data field	COL.	14-15
BEGIN	Begin position of data field	COL.	19-22

Text describing the variable will follow this "D" line. Use COL. 6-46 and repeat as may lines as necessary.

#### "U" LINE - UNIVERSE DEFINITION

This line contains the universe definition. Use COL. 3-46 and repeat as many lines as necessary.

ID	"U"		COL.	1- 1
DESCRI	PTION	Universe description	COL.	3-46

(For continuation use COL. 3-46 and repeat as may lines as necessary.)

#### "V" LINE - VALUE DEFINITION

ID	" <b>√</b> "	COL.	1- 1
VALUE	Value code-right justified	COL.	3-12
•	4.5)	COL.	14
DESCRI	PTION Value description	COL.	15-46

(Repeat COL. 14-46 format for continued value description.)

#### **ATTACHMENT 6**

#### Current Population Survey Adult Interview Data Dictionary

```
DATA
              SIZE BEGIN
                                                                  DATA
                                                                               SIZE BEGIN
 D H$PAD1
                1
                       1
                                                                              12 .Other not HU
 D H$PAD2
                                                                        Farm def'n - edited using urban/rural
 D H-MONTH
                                                                        code
      Month of survey
                                                                   U All
                                                                        From MST and CPS-1 Items 5A and 5B
        01-12 .Month
                                                                              1 .Nonfarm
                                                                               2 .Farm
 D H-YEAR
              1
      Year of survey - last digit
                                                                   D H-TYPINT 1 12
Item 13 - Type interview
          0-9 .Last digit of year
                                                                   ٧
                                                                              -1 .Blank or impossible
 D H-KHNUM
             1
                                                                              1 .Noninterview
      Household number
                                                                              2 .Personal
 UALL
                                                                              3 .Tel. - regular
4 .Tel. - callback
                                                                   ٧
 V
           -1 .Blank
 ٧
          1-8 . Household number
                                                                              5 .ICR filled
 D H-CPSCHK 1
                                                                   D H-RESPNM
      Item 1 - Interviewer check item
                                                                       Item 12 - Line no. HHLD resp.
           -1 .Blank
                                                                   ٧
                                                                             -1 .Blank or impossible
 ٧
            1 .Only CPS-1 for household
                                                                   ٧
                                                                            1-6 .Line no.
            2 .First CPS-1 of continuation
 ٧
                                                                             7 .Non HKLD resp.
              .household
 ٧
            3 .Second CPS-1 of continuation
                                                                               1 14
                                                                  D H-AREASN
              .household
                                                                        Item 14 - Reason for type A
            4 .Third, fourth, etc. CPS-1
                                                                   U H-HHTYPE=2
                                                                  ٧
                                                                             -1 .Not in universe
D H-DAYCMP
             1
                                                                             1 .No one home
     Day interview complete
                                                                  ٧
                                                                              2 .Temporarily absent
                                                                  ٧
                                                                              3 Refused
٧
           -1 .Blank
                                                                  ν
                                                                              4 .Other - occ.
٧
            1 .Sunday
           2 .Monday
                                                                       ARACE 1 15
Item 14 - Race for type A
                                                                  D H-ARACE
ν
           Tuesday
٧
            4 .Wednesday
                                                                  U H-HHTYPE=2
           5 .Thursday
٧
                                                                             -1 .Not in universe
٧
           6 .Friday
                                                                  ٧
                                                                              1 .White
           7 .Saturday
                                                                  ٧
                                                                              2 .Black
           8 .After interview week
                                                                              3 .Other
D H-LIVORT
     .IVQRT 2 9
Item 4 - Type of living quarters
                                                                  D H-TYPEBC
                                                                                 2 16
                                                                       Item 15 - Type B/C
     (Recode)
                                                                    H-HHTYPE=3
UALL
                                                                            -1 .Not in universe
     Housing unit
                                                                       Type B
          01 .House, apt., flat
                                                                            01 .Vacant - regular
02 .Vacant - storage of HHLD
ν
          02 .MU in nontransient hotel, etc.
          03 .HU, perm., in trans. hotel,
                                                                                .furniture
             .motel etc.
                                                                            03 .Temp occ. by persons with URE
          04 .HU in rooming house
                                                                            04 .Unfit or to be demolished
          05 .Mobile home or trailer with
                                                                            05 .Under construction, not ready
             .no permanent room added
                                                                            06 .Converted to temp. business
          06 .Mobile home or trailer with 1
                                                                                .or storage
٧
          .or more perm. rooms added 
07 .HU not specified above
                                                                            07 .Occ. by AF members or persons
٧
                                                                               .under 15
     Other unit
                                                                            08 .Unocc. tent or trailer site
٧
          08 .Qtrs not HU in rooming or
                                                                            09 .Permit granted, construction not
             .boarding house
                                                                               .started
          09 .Unit not perm. in trans. hotel,
                                                                            10 .Other
             .motel, etc.
                                                                       Type C
          10 .Tent or trailer site
                                                                            11 .Demolished
          11 .Student quarters in college
                                                                            12 . House or trailer moved
             .dormitory
                                                                            13 .Outside segment
```

## CURRENT POPULATION SURVEY - ADULT INTERVIEW

DATA	SIZE BEGIN	DATA	SIZE BEGIN
v	14 .Converted to perm. business or	V	-1 .Not in universe
v	storage	V	1 .Owned or being bought
v	15 .Merged	. <b>y</b>	2 .Rent 3 .No cash rent
v	16 .Condemned	V	3 .No cash rent
v	17 Built after April 1, 1980		INC 2 26
v	18 .Unused line of listing sheet	D H-FAM	- =
v	19 .Other	Fal	mily income te: If a nonfamily household
•		NO	-FAMIND=0), income includes only
D H-SEAS	ON 1 18	(H	at of householder.
Ite	m 16 - Seasonal status		at of householder.
U H-TYPE	BC=1-3	Ų ALL	-1 .Not in universe
٧	-1 .Not in universe	V V	0 Less than \$5,000
٧	1 _Year round	V	1 .\$5,000 to \$7,499
V	2 .By migratory workers	V	2 .\$7,500 to \$9,999
٧	3 .Seasonally	v	3 \$10,000 to \$12,499
		v	4 .\$12,500 to \$14,999
D H-OCCI	INT 1 19	V	5 .\$15,000 to \$19,999
Ite	em 17 - This unit is intended for	v	6 .\$20,000 to \$24,999
000	cupancy	-	7 .\$25,000 to \$29,999
U H-SEAS	SON=2 or 3 and H-LIVORT=1-7	V	8 _\$30,000 to \$34,999
V	-1 Not in universe	V	9 .\$35,000 to \$39,999
Ÿ	1 .Summers only	V	10 .\$40,000 to \$49,999
v	2 .Winters only	V	10 .340,000 to 347,777 44 .eso 000 +~ 450 000
v	3 Other	٧	11 .\$50,000 to \$59,000
-		V	12 _\$60,000 to \$74,999
D H-INTE	RV1 2 20	V	13 .\$75,000 and Over
	terviewer code	٧	19 .Not answered
Bla	ank or impossible in any digit		4 36
in	terviewer code A00-M99 excluding IXX	D H-TEI	LHHD 1 28
v	-1 .Blank	Te	elephone in household
	· 00 .A		(March, July, Nov. only)
v	01 .B	V	-1 .Not in universe (noninterview)
v	02 .C	V	1 .Yes
v	03 .D	V	2 .No
v	04 .E		
v	05 .F	D H-TE	
Ÿ	06 .G	т	elephone available
v	07 .H	U H-TE	LHHD=2 (March, July, Nov. only)
v	1. 80	V	-1 .Not in universe
v	09 .K	V	1 .Yes
v	10 .L	٧	2 .No
v	11 .M		
v	12 .N	D H-TE	LINT 1 30
Ÿ	13 .P	T	elephone interview acceptable
v	14 .Q		LHHD=1 or H-TELAVL=1 (March, July,
v	15 .R	Nov.	only)
v	16 .S	V	-1 .Not in universe
v	17 .T	v	1 Yes
v	18 .U	V	2 .No
v	19 .V		
ů	20 .W	D H-PF	RSCNT 1 31
v	21 .X	1	Item 30 - Number of contacts - actual
v	22° -Y	ŧ	and attempted personal
v	23 .Z		ch, July, Nov. only
•		V	-1 .Blank
D H-IN	TRV2 1 22	V	1-6 .# of personal contacts
11	nterviewer Code - digit 2	V	.(6 = 6+)
v	-1 .Blank		
v	0-9 .Interviewer code digit 2	D H-TI	ELCNT 1 32 Item 30 - Number of contacts - actual
-	<del>-</del>		ITEM 50 - NUMBER OF CONTACTS - ACTUAL
D H-IN	TRV3 1 23		and attempted telephone
 I	nterviewer Code - digit 3		ch, July, Nov. only
V	-1 .Blank	V	-1 .Blank
v	0-9 .Interviewer code digit 3	v	1-9 .# of telephone contacts
-	-	V	.(9 = 9+)
	TATUS 1 24		
	tem 27B - HHLD status change -	D H-T	IMINT 1 33
ŗ	replacement household		Item 31 - Time of interview
-U ALL	-		ch, July, Nov. only
V	-1 .Blank	A	-1 .Blank
Ÿ	1 .Yes	٧	1 .Midnight to 6 A.M.
v	2 .No	V	2 .6 to 9 A.M.
•	=	٧	3 .9 A.m. to noon
N H-TE	ENURE 1 25	٧	4 .Noon to 3 P.M.
	Jenure		
U All			
S ALL		6–2	
		n-7	

```
DATA
            SIZE BEGIN
                                                            DATA
                                                                        SIZE BEGIN
 V
           5 .3 to 6 P.M.
                                                                  Unique segment identifer
 ٧
           6 .6 to 9 P.M.
           7 .9 P.M. to midnight
                                                             D H-HHWGT
                                                                         9
                                                                              49
                                                                  Mousehold weight (2 implied
                                                                  decimal places)
      Household recodes
                                                                  Final household weight equivalent to
 ***********
                                                                  the weight of the wife in husband-wife
                                                                  households and the reference person
D H-HHTYPE
            1
                                                                  in all other households
     Type of household
                                                             **********
v
                                                              * Allocation flags
           1 .Interview
           2 .Type A non-interview
                                                              ************
٧
           3 .Type B/C non-interview
                                                             D H%TENURE
D H-MIS
             1
                                                                        0 .No change
     Month in sample
                                                             ٧
                                                                        1 .Value to blank
UALL
                                                             ν
                                                                        4 .Allocated
٧
         1-8 .Month in sample
                                                             D H%FAMINC
D H-NUMPER
            2
                   36
                                                                        0 .No change
     Number of persons in household
                                                             ٧
                                                                        2 .Blank to value
                                                             V
                                                                        6 .Refusal to value, allocated,
          00 .Noninterview household
                                                                          .no error
٧
        1-39 .Number of persons in HHLD
                                                             D H%ARACE
                                                                          1
                                                                        0 .No change
D H-TYPE
            1
     Household type
                                                             ν
                                                                        1 .Value to blank
                                                             ٧
                                                                        4 .Allocated
           0 .Non-interview household
٧
          1 .Husband/wife primary family
                                                                        1
                                                             D H%CPSCHK
٧
             .(neither husband or wife in
                                                                       0 .No change
             .Armed Forces)
                                                                        2 .Blank to value
٧
          2 .Husband/wife primary family
٧
            .(husband and/or wife in armed
                                                             D H%DAYCMP
٧
                                                                       0 .No change
             .forces)
٧
          3 .Unmarried civilian male
                                                                        2 .Blank to value
             .primary family householder
          4 .Unmarried civilian female
٧
                                                             D H%HHNUM
                                                                          1
                                                                               63
                                                                       0 No change
            .primary family householder
٧
          5 .Primary family household -
                                                                       2 .Blank to value
٧
            .reference person in
                                                                       8 .Blank to NA - error
            .Armed Forces and unmarried
٧
          6 .Civilian male primary
                                                             D H%INTRV
          .individual
7 .Civilian female primary
۷
                                                                       0 .No change
                                                                       2 .Blank to value
            .individual
٧
          8 .Primary individual household -
                                                             D H%L1VQRT
٧
             .reference person in Armed Forces
                                                                       0 .No change
                                                             ٧
          9 .Group quarters
                                                             ٧
                                                                       4 -Allocated
                                                                       7 .Blank to NA - no error
D H-TYPERP
            1
    Type of reference person
                                                             D HXOCCINT
U H-HHTYPE=1
                                                                       0 .No change
ν
          0 .Not in universe
                                                                       1 Value to blank
                                                             ٧
          1 .Civilian
                                                                       4 .Allocated
٧
          2 .Armed Forces
                                                                         1
٧
          3 .Group quarters
                                                             D HIZRESPNM
                                                                                67
                                                                       0 .No change
D H-NUMFAM
            2
                  40
                                                                       2 .Blank to value
    Number of families in HHLD
U H-HHTYPE=1
                                                             D H%SEASON
         00 .Not in universe
                                                                       0 .No change
      00-39 .Number of families
٧
                                                             v
                                                                       1 .Value to blank
                                                                       4 .Allocated
D H-HHDSEQ
    Householder sequence number
                                                             D H%STATUS
     (reference person)
                                                                       0 .No change
    (Will be first adult record for
                                                             ν
                                                                       1 .Value to blank
    group quarters)
                                                             ٧
                                                                       2 .Blank to value
U H-HHTYPE=1
                                                                       3 .Value to value
        00 .Not in universe
                                                                       8 .Blank to NA - error
٧
      01-39 .Sequence number
```

D H-MSTIND

5 Master segment tape index

CURRENT POPULATION SURVEY - ADDET TO LEAVE -	DATE: BEST!
DATA SIZE BEGIN	DATA SIZE BEGIN
	y 45 .South Dakota
D H%AREASN 1 70	v 46 .Nebraska
y 0 No change	v 47 .Kensas
y 1 .Value to blank	South Region (Region 3)
D H%TYPEBC 1 71	South Atlantic Division (Div. 5)
V 0 No change	v 51 _Delaware
y 1 .Value to blank	y 52 Maryland
, , , , , , , , , , , , , , , , , , ,	y 53 District of Columbia
D HXTELHHD 1 72	y 54 Virginia
V 0 .No change	y 55 .West Virginia v 56 .North Carolina
y 1 .Value to blank	y 56 North Carolina y 57 South Carolina
y 4 .Allocated	v 58 "Georgia
_	v 59 .Florida
D HXTELAVL 1 73	East South Central Division (Div. 6)
V 0 .No change	y 61 .Kentucky
y 1 .Value to blank	v 62 .Tennessee
V 4 "Allocated	v 63 Alabama
	v 64 .Mississippi
D HXTELINT 1 74	West South Central Division (Div. 7)
y 0.No change v 1.Value to blank	y 71 .Arkansas
1 1171-11	v 72 .Louisiana
y 4 Allocated	y 73 .Oklahoma
D H%PRSCNT 1 75	v 74 .Texas
V 0 .No change	West Region (Region 4)
v 2 Blank to value	Mountain Division (Div. 8)
• • • • • • • • • • • • • • • • • • • •	V 81 Montana
D HXTIMINT 1 76	v 82 .Idaho
y 0 .No change	v 83 .Wyoming
y 2 .Blank to value	v 84 .Colorado
•	y 85 New Mexico
D HXTELCHT 1 77	y 86 Arizona
y 0 .No change	v 87 .Utah v 88 .Nevada
y 7 .Blank to NA - no error	y 88 .Nevada Pacific Division (Div. 9)
*************	y 91 Washington v 92 Oregon
* Master Segment Tape (M.S.T.) items *	y 93 .California
<ul> <li>for M.S.T. variables whose ranges are *</li> </ul>	v 94 "Alaska
<ul> <li>not defined here, see geographic</li> </ul>	v 95 .Hawaii
* appendix to this DDL.	, , , , , , , , , , , , , , , , , , ,
*********	D HG-STRN 2 81
n HG-REG 1 78	1980 State rank
J 112 K25	(See Geographic Appendix)
Region v 1 .Northeast	
v 2 .Midwest	D HG-FIPS 2 83
v 3 .South	FIPS State code
v 4 .West	(See Geographic Appendix)
y a moor	
D NG-ST60 2 79	D HG-MSAS 1 85
1960 Census state code (first	MSA status
digit = geog. division code)	y 1 .in MSA, în CC y 2 .in MSA, not în CC
Northeast Region (Region 1)	y 2.In MSA, not in CC y 3.Not in MSA
New England Division (Div. 1)	y 4 ,Not identified
V 11 .Maine	4 4 tuor learners too
V 12 .New Hampshire	D HG-MSAC 4 86
v 13 ,Vermont	MSA or PMSA FIPS code
v 14 .Massachusetts v 15 .Rhode Island	V 0000 Not MSA/PMSA, not identified
•	V 0040-9340 .MST/PMSA code
V 16 .Connecticut Middle Atlantic Division (Div. 2)	(See Geographic Appendix)
V 21 .New York	• • • •
V 22 New Jersey	D HG-PMSA 2 90
v 23 Pennsylvania	PMSA rank
Midwest Region (Region 2)	y 00 .Not a PMSA, not identified
East North Central Division (Div. 3)	V 01-12 Ranking of PMSA within its CMSA
y 31 Ohio	(See Geographic Appendix)
y 32 .Indiana	- 110 MAIN 7 00
V 33 .Illinois	D HG-MSAR 3 92
V 34 Michigan	MSA or CMSA rank
V 35 .Wisconsin	y 000 Not an MSA, not identified
West North Central Division (Div. 4)	V 001-252 Ranking of MSAs or CMSAs by
V 41 .Minnesota	y .population (See Geographic Appendix)
V 42 .Iowa	(266 neodLabutc whiteinty)
v 43 .Missouri	
y 44 .North Dakota	
	C 4

```
DATA
            SIZE BEGIN
                                                                DATA
                                                                           SIZE BEGIN
 D HG-MSSZ
             2
                     95
                                                                 UALL
      MSA sîze
                                                                            1 .Married - civilian spouse
      First character -- padding
Second character -- pop. size MSA/CMSA
                                                                            .present
2 .Married - AF spouse present
            1 .Not identified, not an MSA
                                                                 ν
                                                                            3 .Married - spouse absent
           2 .100,000 - 249,999
3 .250,000 - 499,999
4 .500,000 - 999,999
                                                                             .(Exc. separated)
                                                                            4 .Widowed
                                                                            5 .Divorced
            5 .1 million - 2,499,999
                                                                            6 .Separated
            6 .2.5 million - 4,999,999
                                                                            7 Never married
            7 .5 million - 9,999,999
            8 .10 million or more
                                                                 D A-SPOUSE 2 123
                                                                     Item 18F - Spouse's line number
 D HG-CMSA
          . 2 97
00 .Not in CMSA, not identified
                                                                 U ALL
                                                                 v
                                                                          00 .None
       07-91 _CMSA code
                                                                       01-39 .Spouse's line number
      (See Geographic Appendix)
                                                                D A-SEX
                                                                              1 125
D H-METSTA 1 99
V 1 .Metropolitan
                                                                     1tem 18G - Sex
                                                                UALL
            2 .Nonmetropolitan
                                                                ٧
                                                                           1 .Male
           3 .Not identified
                                                                           2 .Female
D H-INDVCC 1 100
                                                                D A-VET
                                                                             1 126
     Individual central city identifier
                                                                     Item 18G - Veteran status
      (See Geographic Appendix)
                                                                ٧
                                                                           1 .Vietnam era
D H-RECTYP 1 101
                                                                ٧
                                                                           2 .Korean War
         1 .Interviewed adult
                                                                ٧
                                                                           3 .World War II
٧
           2 .Type A noninterview
                                                                           4 .World War ! 5 .Other service
       3 .Type B/C noninterview
           4 .Armed Forces record
                                                                          6 .Nonveteran
           5 .Childrens record
                                                                D A-HGA
                                                                            2 127
D H-1D
                                                                     Item 18h - Highest grade attended
           12
                   102
     Unique household identifer
                                                                U ALL
                                                                ٧
                                                                          00 .None
D A-LINENO 2 114
                                                                ٧
                                                                          01 .E1
     Item 18A - Line number
                                                                          02 .E2
                                                                          03 .E3
       01-39 .Line number
                                                                          04 .E4
                                                                          05 .E5
D A-RRP
             2 116
                                                                          06 .E6
     Item 18B - Relationship to
                                                                          07 .E7
     reference person
                                                                          08 .E8
UALL
                                                                          09 .H1
           1 Reference person with other
                                                                v
                                                                          10 .H2
٧
             .relatives in HHLD
                                                                          11 .H3
٧
           2 .Reference person with no other
                                                                ν
                                                                          12 .H4
٧
             .relatives in HHLD
                                                                ٧
                                                                          13 .C1
٧
           3 . Husband
                                                                          14 .C2
٧
           4 .Wife
                                                                          15 .C3
٧
           5 .Own child
                                                                          16 .C4
17 .C5
٧
           6 .Parent
                                                                ٧
٧
           7 .Brother/sister
                                                                          18 .C6+
۷
          8 .Other Relative of Reference
            .person
                                                                D A-HGC
                                                                             1 129
٧
           9 .Non-relative of reference
                                                                    Item 18I - Grade completed
            .person with own relatives in HKLD
                                                                UALL
          10 .Non-relative of reference
                                                                v
                                                                           1 .Yes
            .person-no own relatives in HHLD
                                                                           2 .No
D A-PARENT
             2 118
                                                                D A-RACE
    Item 18C - Parent's line number
                                                                    Item 18J - Race
U All
                                                                UALL
         00 .None
                                                                ٧
                                                                           1 .White
      01-39 .Parent's line number
                                                                           2 .Black
                                                                          3 .Amer Indian, Aleut Eskimo
D A-AGE
            2 120
                                                                ٧
                                                                           4 .Asian or Pacific Island
    Item 18D - Age
                                                                          5 .Other
U All
v
       15-90 .Adult age (Age topcoded
٧
           .at 90)
```

D A-MARITL

1

122 Item 18E - Marital status

CURRENT POPULATION SURVEY - ADDLT INTERVIEW	
DATA SIZE BEGIN	DATA SIZE BEGIN
DATA SIZE BEST	4 N 5 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2
D A-MAJACT 1 131	y -1 Not in universe
Item 19 - What was doing most	y 1 .Yes v 2 .No
of last week	y 2.No
U All	D A-OVRTIM 1 140
V 1 .Working	Item 20E - Did work any overtime
y 2 .With job but not at work	or at more than one job last week
y 3 Looking for work	U A-LOSTIM (1-200)=2
V 4 .Keeping house	y -1 .Not in universe
y 5 .Going to school y 6 .Unable to work	v 1 .Yes
· · ·	y 2 .No
y 7 Retired y 8 Other	
y a total	D A-JOBABS 1 141
D A-ANYWK 1 132	Item 21 - Did have a job or
ltem 20 - Did do any work at	business from which he/she was temporarily absent or on layoff
all last week, not counting work	last week
around the house	U A-ANYWK (I-20)=2
U A-MAJACT (1-19)=2,3,4,5,7 or 8 (NE 1,6)	y -1 .Not in universe
y -1 .Not in universe	v 1.Yes
y 1 .Yes	v 2.No
y 2 .No	•
	D A-WHYABS 1 142
D A-HRS1 2 133 Item 20a - How many hours did	Item 21A - Why was absent from
work last week at all jobs	work last week
U A-MAJACT (I-19)=1 or A-ANYWK (I-20)=Yes	U A-JOBABS (I-21)=1
y -1 .Not in universe	v •1 .Not in universe
y 00:99 Number of hours	v 1 .Own illness
•	y 2 .On vacation
D A-HRSCHK 1 135	y 3 .Bad weather
Item 20B - Interviewer check of	y 4 Labor dispute y 5 New job to begin within
item 20A	y 5. New job to begin within y .30 days
U Same as A-HRS1 (1-20A)	y 6.Temporary Layoff (Under 30
y -1 .Not in universe	v days)
v 1 .49 <u>+</u>	y 7 ,Indefinite layoff (30 days or
v 2 .1-34	v .more)
v 3 .35-48	y 8 Other
	• • • • • • • • • • • • • • • • • • • •
D A-USLFT 1 136	D A-PAYABS 1 143
U A-HRSCHK (I-20B)=2 Item 20C - Does usually work	Item 21B - Is receiving wages
35 hours or more a week at this	or salary for any of the time off
job (Part 1)	last week
y -1 .Not in universe	U A-WHYABS (I-21A)=1-4,8
v 1.Yes	y -1 .Not in universe
v 2.No	y 1 .Yes
	v 2 .No v 3 .Self-employed
D A-FTREAS 2 137	y 3 .Self-employed
Item 20C - Does usually work	D A-FTABS 1 144
35 Hours or more a week at this	Item 21C - Does usually work 35
job (Part 2)	hours or more a week at this job
U A-HRSCHK (1-20B)=2	U A-WHYABS (1-21A)=1-4,8
y -1 .Not in universe y 1 .Slack work	y -1 .Not in universe
y 1 .Slack work y 2 .Material shortage	v 1 .Yes
y 3 .Plant or machine repair	y 2 .No
y 4 .New job started during week	4 445
y 5 .Job terminated during week	D A-LKWK 1 145 Item 22 - Has been looking for
V 6 Could find only part time work	work during the past 4 weeks
y 7.Holiday	U A-JOBABS (1-21)=2
y B Labor dispute	y -1 .Not in universe
y 9 .Bad weather	y 1 Yes
y 10 Own illness	v 2 .No
y 11 .On vacation	•
y 12 Too busy with house, school,	<b>青金金宝宝金宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝宝</b>
y .etc. y 13 .Did not want full time work	* Item 22A - What has been doing in *
y 13 .Did not want full time work y 14 .Full-time work weeks < 35 hrs	* the last 4 weeks to find work "
v 15 Other	* Method use - Multiple entries possible*
A 12 'Árua	*************************
D A-LOSTIM 1 139	
Item 20D - Did lose any time or	D A-MTHD1 1 146
take any time off last week for any	Checked with public employment agency
reason such as illness, holiday or	U A-LKWK (I-22)=1
slack work	y -1 .Not in universe
U A-HRSCHK (1-20B)=3	V 1 .Entry
	0.0

DATA	SIZE BEGIN	DATA	SIZE	BEGIN
D A-MTHD2	1 147	. <b>v</b>	2 .No	
Chec	ked with private employment agency	D A-WHYNA	1	158
U A-LKWK				Why not
	-1 .Not in universe 1 .Entry	U A-AVAIL		
•	· sellery			t in universe
D A-MTHD3		v	2 .Te	ready has a job mporary illness
Check	ked with employer directly	V		ing to school
U A-LKWK I	(1-22)=1 -1 .Not in universe	V	4 .0tl	her
v	1 .Entry	D A-WHENLJ	1	159
				When did last work at a
D A-MTHD4		full-1	time jo	ob or business lasting 2
U A-LKWK (	ked with friends or relatives			weeks or more
	-1 .Not in universe	U Same as <i>I</i> V		( (1-22C) t in universe
	1 .Entry			last 12 months
D 4 07055	4 450	V	2 .1-5	years ago
D A-MTHD5	1 150 ed or answered ads			re than 5 years ago
U A-LKWK (		V V		ver worked full time 2 eks or more
	-1 .Not in universe	v		ver worked at all
٧	1 .Entry			or worked at att
D A-MTHD6	1 454	D A-IND		
Nothi				Industry
U A-LKWK (		U A-CLSWKR= V -		in universe
V	-1 .Not in universe			not in universe
٧ .	1 .Entry	V 002-99	2 .Leg	gal code
D A-MTHD7	1 152	****		******
Other				and occupation code *
U A-LKWK (		* appendix	for l	ist of legal codes *
	-1 .Not in universe			*******
٧	1 .Entry	B. 4-000	-	4/7
D A-WHYLK	1 153	D A-OCC Item 2	3 30 - 0	163 Occupation
ltem	22B - Why did start looking	U A-CLSWKR=		coupe (101)
for w	ork was it because			in universe
	I-22)=1 or A-WHYABS (I-21A)=5 -1 .Not in universe	V 00 V 003:99	.old	not in universe
-	1 .Lost job	V 003:99	3 .Leg	al code
V	2 .Quit job	D A-CLSWKR	1	166
V V	3 .Left school			lass of worker
v	4 .Wanted temporary work 5 .Change in home or family			-LFSR=5-7 and A-NLFROT=2
v	.responsibilities	and A-NLF V -		in universe
V	6 .Left military service		1 .Pri	
V	7 .Other	V	2 .Fed	eral government
DA-MKSIK	2 154			te government
Item 2	22C - 1) How many weeks has			al government f-employed-incorporated
been	looking for work 2) how many	V	6 .Sel	f-employed-not incorporated
weeks	ago did start looking w many weeks ago was			hout pay
laid		V	8 .Nev	er worked
	(I-22B)=ENTRY or A-WHYABS	D A-CHKWJ	1	167
(I-21A)=	6 or 7	Item 2	3F - II	nterviewer check item
	-1 .Not in universe 99 .Entry	U A-CLSWKR		
<b>,</b> 00-	FF LENCTY	V	l .Not	in universe ry (or NA) in I20A and P,F,S
	1 156	v	.or	L in 123E
Item 2	22D - Has been looking for			ry (or NA) in 123B and P.F.S
full-1	time or part-time work	V	or l	L in 123E
	A-WKSLK (I-22C) -1 .Not in universe	V	3 .All	other cases
	1 .Full-time	D A-NLFROT	1	168
1	2 .Part-time			terviewer check item -
	4 453	first o	digit d	of segment #
A-AVAIL	1 157 22E1 - Could have taken a	U A-LKWK (I	_	*
iob if	f one had been offered			in universe tinuing rotations
	A-WKSLK (I-22C)			going rotations
-	-1 .Not in universe	•		
7	1 .Yes			

DATA	SIZE BEGIN	DATA SIZE BEGIN	
D A-NLFLJ	1 169	D A-WHYNL6 1 177	
	24A - When did last work	Can't arrange child care	
for n	ay at a regular job or business,	U A-WANTJB (I-24C)=1 or 2	
eithe	r full-time or part-time	y -1 .Not in universe	
U A-NLFROT	(I-24)=2	y 1 Entry	
V	-1 .Not in universe	D A-WHYNL7 1 178	
	1 .Within past 12 months	Family responsibilities	
٧	2 .1 Up to 2 years ago	U A-WANTJB (1-24C)=1 or 2	
. <b>V</b>	3 .2 Up to 3 years ago 4 .3 Up to 4 years ago	v -1 .Not in universe	
V	5 .4 Up to 5 years ago	y 1 .Entry	
v	6 .5 or more years ago	4.70	
v	7 .Never worked	D A-WHYNLB 1 179 In school or other training	
-		U A-WANTJB (1-24C)=1 or 2	•
D A-WHYLF1	f 1 170	y -1 .Not in universe	
Item	24B - Why did leave that job	v 1 Entry	
	(I-24A)=1-5 -1 .Not in universe	•	
V V	1 .Personal, family or school	D A-WHYNL9 1 180	
v	2 .Health	Ill health	
v	3 Retirement or old age	U A-WANTJB (I-24C)=1 or 2	
v	4 _Seasonal job completed	y -1 .Not in universe	
V	5 .Slack work or business	y 1 .Entry	
٧	.conditions	D A-WHYNLA 1 181	
V	6 .Temporary nonseasonal job	Other	
V	.completed 7 .Unsatisfactory work arrangements	U A-WANTJB (I-24C)=1 or 2	
V.	8 Other	γ -1 .Not in universe	
V	o lottiei	v 1.Entry	
D A-WANTJ	в 1 171	4 400	
Item	24C - Does want a regular	D A-WHYNLB 1 182	
job	now, either full or part-time	Don't know U A-WANTJB (I-24C)=1 or 2	
U A-NLFRO	OT (1-24)=2	v -1 .Not in universe	
٧	-1 .Not in universe	y 1 Entry	
V	1 .Yes	,	
V V	2 .Maybe-it depends 3 .No	D A-INTEND 1 183	
v	4 Don't know	Item 24E - Does intend to loc	ΣK
•		for work of any kind in the next	
	**********	12 months	
* Itemź	24D - What are the reasons is *	U A-NLFROT (I-24)=2 y -1 .Not in universe	
* not	looking for work *	v 1 .Yes	
* (Muli	tiple entries possible)	y 2 .1t depends	
*****	**************************************	y 3 .No	
D A-WHYN	L1 1 172	y 4 .Don't know	
P A-White	ieves no work available	*********	*****
	JB (I-24C)=1 or 2		*
V	-1 .Not in universe	* Edited Earnings Items	***
V	1 .Entry		
	. n 4 477	D A-EARNRT 1 184	
D A-WHYN	L2 1 173 ildn't find any work	Item 25 - Interviewer check item	1
LOU LIALUANT	JB (I-24C)=1 or 2	U A-CHKWJ (I-23F)=1 or 2	
V V	-1 .Not in universe	y -1 .Not in universe	
	1 .Entry	y 1 .MIS 1,2,3,5,6,7	
	•	v 2 MIS 4, 8	
D A-WHYN	IL3 1 174	D A-USLHRS 2 185	
Lac	ks nec. schooling, etc.	Item 25A - How many hours per we	ek
U A-WANI	TJB (I-24C)=1 or 2 -1 .Not in universe	does usually work at this jo	de
	1 .Entry	U EARNRT (1-25)=2	
•		y -1 .Not in universe	
D A-WHYN	4L4 1 175	γ 00-99 .Entry	
Emp	ployers think too young or too old	D A-HRLYHK 1 187	
	[JB (1-24C)=1 or 2	Item 258 - Is paid by the ho	our
v.	-1 .Not in universe	on this job	
V	1 .Entry	U A-EARNRT (1-25)=2	
P 4-11094	NL5 1 176	y -1 .Not in universe	
U A-MAII I+O	her personal handicap in finding job	v 1 .Yes	
UA-LANI	TJB (1-24C)=1 or 2	y 2.No	
V	-1 .Not in universe	•	
Ÿ	1 Entry		

DATA	SIZE BEGIN	DATA	SIZE	BEGIN
D A-UNMEM	1 188	٧	5 No	tring Landantal at 11 d
	25E - On this job, is a member	v		tural/adopted child ep child
of a	labor union or of an employee	v		andchild
8850	ciation similar to a union	٧	8 .Pa	
	(1-25)=2	٧	9 .Br	other/sister
	-1 .Not in universe	٧	10 .Ot	her relative
V	1 .Yes	٧		ster child
V	2 .No	V	12 .No	nrelative with relatives
D A-UNCOV	4 400	V		rtner/roommate
	1 189 25F - On this job, is covered	٧	14 .No	nrelative without relatives
bv a	union or employee association	D A-LF	SR 1	198
conti				status recode
U A-UNMEN	(1-25E)=2	UALL		Status / Couc
٧	-1 .Not in universe	V	1 .Wo	rking
V	1 .Yes	٧		th job, not at work
٧	2 .No	V	3 .Un	employed, looking for work
D A-ENRCH	( 1 190	V	4 -Un	employed, on layoff
	( 1 190 26 - Interviewer check item	V V	) .NI	LF - working w/o pay < 15 hrs
U All	20 THE TENE CHEEK TEN	V		mp. absent from w/o pay job LF - unavailable
v	1 .This person is 16-24 years of	v		her NILF
٧	.age	•		itel Will
V	2 ,All others	D A-UN	TYPE 1	199
		R	eason for	unemployment
D A-ENRLW			SR=3 or 4	• •
	26A1 - Last week was attending	V		t in universe
	rolled in a high school, college	V		b loser - on layoff
U A-ENRCHK	iversity	V		her job loser
	-1 .Not in universe	V V		b leaver -entrant
v	1 .Yes	v		-entrant W entrant
V	2 .No	•	J .NC	w entrant
		D A-NL	FREA 2	200
D A-HSCOL	1 192	C	urrent act	ivity/reason not looking
Item		f	or NILF re	ason
	(I-26A1)=1			and MIS=4 or 8
	-1 .Not in universe	V		t in universe
V V	1 .High school 2 .College or university	٧	1 .Sci	
•	2 .cottege of diffversity	V V		l, disabled
D A-FTPT	1 193	v	3 .Ke	eping house tired or old age
	26B - Is enrolled in school	v		desire
as a	full-time or part-time student	Ÿ		ployers think too young or
	(I-26A1)=1	V	.ole	d
	-1 .Not in universe	V	7 .La	cks education or training
V	1 Full time	V		her personal reason
ν	2 .Part time	V		uld not find work
******	****	V V		inks no job available
* Adul	t Recodes *	٧	11 .0tl	ner
	*************************************	D A-WKS	STAT 1	202
			ull/part-t	
D A-REORGN		U All	•	
	18K - Origin	٧		t in labor force
U All V	1 .Mexican American	V		ll-time schedules
v V	2 .Chicano	V V		rt-time for economic
v	3 Mexican (Mexicano)	V		asons, usually full-time
v	4 .Puerto Rican	v		asons, usually part-time
Ÿ	5 .Cuban	v		rt-time for economic
٧	6 .Central or South American	V		asons, usually part-time
٧	7 .Other Spanish	V		employed full-time
V	8 .All other	V	7 .Une	employed part-time
٧	9 .Don't know			
V	10 .NA	D A-EXF		203
D A-EXPRRP	2 196			labor force employment
	Z 190 ded relationship code		tatus =1-4 and A-	COU NE R
U All	and retailed by some	U LFSK=		t in experienced labor force
V	1 .Reference person with	v	1 .Emp	
V	.relatives	Ÿ		employed
٧	2 .Reference person without		2	• • •
V	.relatives			
V	3 .Husband			
٧	4 .Wife			

ON THE PERSON	DATA SIZE BEGIN
DATA SIZE BEGIN	
D A-WKSCH 1 204	y 04 Job terminated
Labor force by time worked or lost	y 05 Holiday
U LFSR=1-4	y 06 Labor dispute y 07 Bad weather
y -1 .Not in universe	
y 1 At work	y 08 Own illness y 09 On vacation
y 2 .With job, not at work	
y 3 .Unemployed, seeks full-time	y 10 .All other Usually work part-time
v 4 .Unemployed, seeks part-time	v 11 .Slack work
	v 12 .Could find only part-time
D A-CIVLF 1 205	v 13 .Own illness
Civilian labor force	y 14 .Too busy or did not want
U LFSR=1-4	y .full-time
y -1 .Not in universe	y 15 .Full-time under 35 hours
y 1 .In universe	v 16 Other
D A-FTLF 1 206	
D A-FTLF 1 206 Full-time labor force	D A-ABSREA 2 213
U LFSR=1-4 and Full-time	Reason not at work and pay status
y -1 Not in universe	U LFSR=2
v 1 In universe	y -1 .Not in universe
T I I I I I I I I I I I I I I I I I I I	Usually work full-time paid
D A-EMPHRS 2 207	v 01 .Vacation
Reasons not at work or hours at work	v 02 .11lness
U LFSR=1 or 2	V 03 .All other
y -1 .Not in universe	Not paid
With a job, but not at work	y 04 Vacation
y 01 Illness	y 05 .Illness
y 02 .Vacation	y 06 All other
v 03 .Bad weather	Usually work part-time paid
y 04 .Labor dispute	y 07 .Vacation
v 05 All other	y 08 .Illness y 09 .All other
At work	y 09 .All other Not paid
v. 06 .1-4 hours	v 10 .Vacation
v 07 .5-14 hours	v 11 .Illness
v 08 .15-21 hours	v 12 .All other
v 09 .22-29 hours	y 12 the other
v 10 .30-34 hours	D A-AG-NA 1 215
y 11 .35-39 hours	v -1 .Not in universe
v 12 .40 hours	U Att
y 13 .41-47 hours	y 1 .Agriculture industry
V 14 .48 hours	y 2 .Nonagriculture industry
y 15 .49-59 hours	
y 16 .60 hours or more	DA-MJIND 2 216
D A-PTHRS 2 209	Major industry code
At work 1-34 hours by hours at work	U A-CLSWKR=1-7
U LFSR=1 and I20A<35	y -1 .Not in universe
V -1 .Not in universe	y 01 .Agriculture
y 00 .Usually full-time, part-time	y 02 Mining
yfor non-economic reasons	y 03 Construction
Usually work full-time, part-time	Manufacturing
for economic reasons	y 04 Manufacturing-durable goods y 05 Manufacturing-nondurable goods
v 01 .1-4 hours	y 05 .Manufacturing-nondurable goods Transportation,communications,and other
y 02 .5-14 hours	public utilities
v 03 .15-29 hours	y 06 Transportation
v 04 .30-34 hours	v 07 Communications
Usually work part-time, economic reasons	v 08 Utilities and sanitary services
v 05 .1-4 hours	Wholesale and retail trade
y 06 .5-14 hours	y 09 .Wholesale trade
y 07 .15-29 hours	v 10 Retail trade
V 08 .30-34 hours Usually work part-time, noneconomic reasons	v 11 _Finance, insurance and real
	v .estate
v 09 .1-4 hours v 10 .5-14 hours	Services (12-20)
y 11 .15-29 hours	y 12 Private household
v 12 .30-34 hours	Miscellaneous services
A IT FOR BY HOME O	v 13 Business and repair
D A-PTREA 2 211	y 14 .Personal services, except
Detailed reason for part-time	y .private household
U LFSR=1 and 120A < 35	v 15 Entertainment
v -1 .Not in universe	Professional and related services
Usually work full-time	v 16 .Hospital
V 01 .Slack work	v 17 .Medical, except hospital
v 02 .Material shortages, plant	y 18 .Educational
Y repair	v 19 .Social services
y 03 New job started	

DATA	SIZE BEGIN	DA	TA :	SIZE	BE	GIN
V 20 V 21	Other professional Forestry and fisheries		Non-aģ	riçu	ltur	e wage and salary
V 22	.Public administration		Pri	vate	ind	lustry
V 23	Armed Forces	V	U	5 .P	riva	te household
	TATION TO LES	٧				private
D A-DTIND	2 218	٧		ernm 7 5		1
	d industry code	V	-	7 .F		
See ind	ustry and occupation code	V		8 .s		
appendi	x for list of legal codes	v	-	9 .L:		
U A-CLSWKR=1	-7	v				employed
		•	,		трат	d family
D A-MJOCC	2 220	D	A-EMP	1		229
Major o	ccupation code	•				ns (excluding farm
U A-CLSWKR=1	·7 ·		Worker:	s and	d pr	ivate household workers)
V -1	.Not in universe	IJ	ALL	_ •	- F.	. TETO MEEDINGE HOLKETS,
	ial and professional	٧	-	1 .No	ot i	n universe
V 01	.Executive, admin. and	٧		1 . Ir	1 Un	iverse
٧	.managerial					
V 02	.Professional specialty		A-NAGWS	1	- 7	230
lechnica	al, sales and admin. support	U	ALL			
V 03 V 04	.Technicians and related support				ltura	al wage and salary
	.Sales		workers			
V 05	.Administrative support, .including clerical	V				n universe
Service	. Including clerical	٧		ı .Ir	ı Un	iverse
	.Private household	_				n=4
V 07	.Protective service		A-RCOW	1	•	231
v 08	Other service	U	All	_4	1	
V 09	.Precision production, craft and	W				r recode
V	-repair	V		1 .NC		n universe
	rs, fabricators and laborers	v		F∈		
V 10	.Machine operators, assemblers	v	_	S .St		3 L
V	and inspectors	v		4 .Lc		
V 11	.Transportation and material	v		.Se		inc
٧	.moving	v				ut pay
V 12	.Handlers, equip. cleaners, etc.	Ÿ				worked
V 13	.Farming, forestry and fishing		·			
V 14	.Armed Forces	D	A-NCAGPWS	1		232
V 15	.No previous experience - never	U	All			
V	. worked					private wage and (Except private
D A-DTOCC	2 222		househo			
Detailed	occupation code	٧	-1	.No	t ir	ı universe
See indu	stry and occupation code	V	1	l .In	uni	verse
appendix	for list of legal codes					
U A-CLSWKR=1-	<i>(</i>	D	A-HERNTP	4	_	233
D A-ERNEL	1 224		Hourly	earn	ings	top code
	eligibility flag	V	-1	.No	t in	universe
U All	ecigibitity itag	V	0-3333	, HO	urty	earnings value
	.Not earnings eligible	٧		. (2	1040	olied decimal places)
v i	Earnings eligible	n	A-WERNTP	4	2	37
					_	top code
D A-IOELIG	1 225	٧				universe
U All		v	0-1927	' Ue	ekiv	earnings value
Industry	and occupation eligibility	_			,	
flag	,	D	A-HERNTF	1	2	41
	.Not I and O eligible		Hourly	earn	ings	top code flag
V 1	I and O eligible	٧	-1	.No	t in	universe
		٧	0	.No	t to	p coded
D A-DSCWK	1 226	٧	1	.To	р со	ded
Discoura	ged Worker flag					
UALL	Non-diagonal-older	D	A-WERNTF	1		42
	.Non-discouraged worker					top code flag
¥ 1	.Discouraged worker	V				universe
D A-DTCLWK	2 227	٧				p_coded
	class of worker	٧	1	.To	b co	oed
U A-CLSWKR=1-7		Γ.	A-FERNTP	4	_	/3
	Not in universe			-		43 top code
	Old Not in universe	٧				top code
	ure wage and salary	V	- 1			primary family or universe
	Private		0000-0000			earnings value
	.Government	7	3000:7777	. res	ніцу	eeriiiigs vatue
	.Self-employed					
	Unpaid family					

		•
DATA SIZE BEGIN	DATA SIZE	BEGIN
DATA DEGIN	2,1,1	
D A-FERNTF 1 247	v 5.Al	l children 14-17 years old
Family earnings top code flag		ildren 0-2 and 3-5
V -1 .Not in universe		none 6-17)
	•	ildren 0-2 and 6-13
V 0 .Not top codes		
V 1 .Top Coded		one 3-5 or 14-17)
		ildren 0-2 and 14-17
*********	- ·	ione 3-13)
* Adult Weights *		ildren 3-5 and 6-13
********		none 0-2 or 14-17)
	V 10 .Ch	nildren 3-5 and 14-17
D A-FNLWGT 8 248 2	۷ .(۲	one 0-2 or 6-13)
Adults final weight (2 implied	V 11 - Ch	ildren 6-13 and 14-17
decimal places)	V .(r	one 0-5)
U ALL		ildren 0-2, 3-5 and 6-13
		none 14-17)
D A-ECRNLWT 8 256 2	- 4.	ildren 0-2, 3-5 and 14-17
Earnings/not in labor force weight		none 6-13)
		ildren 0-2, 6-13 and 14-17
(2 implied decimal places)		
U H-MIS=4 or 8		none 3-5)
		ildren 3-5, 6-13 and 14-17
D A-VETWGT 8 264 2		none 0-2)
Veteran's weight	v 16 .ch	vildren from all age groups
(2 implied decimal places)		
family recodes	D A-PFREL 1	279
U ALL		nily relationship
		ot in primary family
D A-FAMNUM 2 272	U ALL	III p. 1, ,,
		usband
family number U All		
*	V 2.Wi	
V 00 .Not a family member		in child
V 01 .Primary family member only	_	her relative
V 02-19 .Subfamily member	V 5 .Ur	mmarried reference person
D A-FAMTYP 1 274	D A-PFSIZE 2	280
Family type	Size of pri	imary family
U All	U ALL '	•
V 1.Primary family	V 00 .No	ot in primary family
V 2 Primary individual.		mber individuals
V 3 .Related subfamily		A-FAMTYP = 1 or 3)
	· · · · · · · · · · · · · · · · · · ·	CIAMITY - 1 OF 37
	0.4.05111140	202
V 5 .Secondary Individual	D A-PFHHAG 1	282
- A - B. W C - C - C - C - C - C - C - C - C -		mary family householder
D A-FAMREL 1 275	UALL	
Family relationship		ot a family member
UALL		25 years old
V 0 .Not a family member	v 2.25	5-44 years old
V 1 .Reference person	v 3,49	i-54 years old
V 2 .Spouse	v 4.55	5-64 years old
V 3.Child		i+ years old
V 4 .Other relative (primary family		•
V .and unrelated subfamily only)	D A-LFESM 1	283
take anterested oppionity attery		and earner status (male)
D A-PFNOCD 1 276		of primary family or male
Number of own children < 18 in primary	householder	
	U All	
family		4 in animame familiatus —als
U All		ot in primary family/no male
V 0 Not in primary family		ployed earner
V 1 .No children		elf-employed
V 2.1 child		thout pay
V 3.2 children	V 4 .Ur	nemployed
V 4.3 children	V 5.No	ot in labor force
4 .5 Cirriaren	V 2.MC	
V 5.4 children		med Forces
		med Forces
V 5.4 children V 6.5 children	V 6 .Ar	
V 5.4 children V 6.5 children V 7.6 children	V 6.AF	284
V 5.4 children V 6.5 children V 7.6 children V 8.7 children	V 6.Ar D A-LFESF 1 Labor force	284 e and earner status (female)
V 5.4 children V 6.5 children V 7.6 children	V 6.Ar D A-LFESF 1 Labor force of wife of	284 e and earner status (female) primary family or female
V 5 .4 children V 6 .5 children V 7 .6 children V 8 .7 children V 9 .8+ children	V 6.Ar D A-LFESF 1 Labor force of wife of householder	284 e and earner status (female) primary family or female
V 5 .4 children V 6 .5 children V 7 .6 children V 8 .7 children V 9 .8+ children D A-PFPRCD 2 277	V 6.Ar D A-LFESF 1 Labor force of wife of householder U All	284 e and earner status (female) primary family or female
V 5 .4 children V 6 .5 children V 7 .6 children V 8 .7 children V 9 .8+ children D A-PFPRCD 2 277 Presence of own children < 18 in	V 6.An D A-LFESF 1 Labor force of wife of householder U All V 0.No	284 e and earner status (female) primary family or female ot in primary family/no female
V 5 .4 children V 6 .5 children V 7 .6 children V 8 .7 children V 9 .8+ children  D A-PFPRCD 2 277  Presence of own children < 18 in primary family.	V 6.Ar D A-LFESF 1 Labor force of wife of householder U All V 0.No V 1.En	284 e and earner status (female) primary family or female ot in primary family/no female mployed earner
V 5 .4 children V 6 .5 children V 7 .6 children V 8 .7 children V 9 .8+ children D A-PFPRCD 2 277 Presence of own children < 18 in	V 6.Ar D A-LFESF 1 Labor force of wife of householder U All V 0.No V 1.En	284 e and earner status (female) primary family or female ot in primary family/no female
V 5.4 children V 6.5 children V 7.6 children V 8.7 children V 9.8+ children  D A-PFPRCD 2 277 Presence of own children < 18 in primary family. U All	V 6.Ar DA-LFESF 1 Labor force of wife of householder U All V 0.Ne V 1.Er	284 e and earner status (female) primary family or female ot in primary family/no female aployed earner elf-employed
V 5.4 children V 6.5 children V 7.6 children V 8.7 children V 9.8+ children  D A-PFPRCD 2 277 Presence of own children < 18 in primary family. U All V 0.Not in primary family	V 6.Ar DA-LFESF 1 Labor force of wife of householder U All V 0.Ne V 1.Er V 2.Se V 3.Wi	284 e and earner status (female) primary family or female  ot in primary family/no female aployed earner elf-employed ithout pay
V 5.4 children V 6.5 children V 7.6 children V 8.7 children V 9.8+ children  DA-PFPRCD 2 277 Presence of own children < 18 in primary family. UALL V 0.Not in primary family V 1.No children < 18 years old	V 6.Ar DA-LFESF 1 Labor force of wife of householder UALL V 0.Nc V 1.Er V 2.Se V 3.Wi V 4.Ur	284 e and earner status (female) primary family or female  ot in primary family/no female apployed earner elf-employed ithout pay nemployed
V 5.4 children V 6.5 children V 7.6 children V 8.7 children V 9.8+ children  D A-PFPRCD 2 277 Presence of own children < 18 in primary family. U All V 0.Not in primary family V 1.No children < 18 years old V 2.All children 0-2 years old	V 6.Ar DA-LFESF 1 Labor force of wife of householder U All V 0.Ne V 1.Er V 2.Se V 3.Wi V 4.Ur	284 e and earner status (female) primary family or female  ot in primary family/no female mployed earner elf-employed ithout pay nemployed ot in labor force
V 5.4 children V 6.5 children V 7.6 children V 8.7 children V 9.8+ children  D A-PFPRCD 2 277 Presence of own children < 18 in primary family. U All V 0.Not in primary family V 1.No children < 18 years old	V 6.Ar DA-LFESF 1 Labor force of wife of householder U All V 0.Ne V 1.Er V 2.Se V 3.Wi V 4.Ur	284 e and earner status (female) primary family or female  ot in primary family/no female apployed earner elf-employed ithout pay nemployed

```
DATA
            SIZE BEGIN
                                                               DATA
                                                                          SIZE BEGIN
D A-PFWS
                   285
                                                                D A%LINENO 1
                                                                                  310
     Primary family earners wage and salary
                                                                     Line number allocation flag
     status (16+)
                                                                          0 .No change
UALL
                                                                           2 .Blank to value
          -1 .Not in primary family
                                                                           3 .Value to value
ν
           O .Not in primary family
٧
           1 .No one employed
                                                                D AZRRP
٧
                                                                     Relationship to reference person
           2 . Some employed - no wage and
٧
             .salary workers
                                                                     allocation flag
٧
           3 .With wage and salary workers,
                                                                          0 .No change
٧
             .husband/wife or reference v
                                                                ٧
                                                                           2 .Blank to value
٧
             .person self-employed
                                                                          3 .Value to value
           4 .With wage and salary workers,
                                                                           5 .Value to value - no error
             .husband/wife or reference person
             .not self-employed other
                                                               D AXPARENT
                                                                                 312
                                                                     Parent's line number allocation flag
     Household member self-employed
           5 .With wage and salary workers
                                                                          0 .No change
             .only
                                                                           2 .Blank to value
                                                               ٧
                                                                          3 .Value to value
D A-PFFTPT
                   286
                                                                          5 .Value to value - no error
     Usual full-time/part-time status of
     primary family earners (16+)
                                                               D AZAGE
                                                                                  313
U H-MIS=4 or 8
                                                                    Age allocation flag
          -1 .Not in universe (MIS 1,2,3,5,6,7)
                                                                          0 .No change
          0 .Not in primary family
                                                                          2 .Blank to value
٧
           1 .No earners
                                                                          4 .Allocated
           2 .All earners full-time
٧
          3 .Some full-time, some part-time
                                                               D A%MARITL
٧
           4 .All earners part-time
                                                                    Marital status allocation flag
          5 .Not in universe
                                                                          0 .No change
                                                                          2 .Blank to value
D A-PFEARN
                  287
                                                               ν
                                                                          3 .Value to value
     Total weekly family earnings (for
                                                                          4 .Allocated
                                                               ν
     members 16+)
                                                                          5 .Value to value - no error
U H-MIS=4 or 8
        -1 .Not in primary family or not
                                                               D A%SPOUSE
                                                                                  315
                                                                    Spouse's line number allocation flag
             .in universe
  0000-9999 .Usual weekly family earnings
                                                                          0 .No change
                                                                          2 .Blank to value
3 .Value to value
D A-PFNOER
            1 291
                                                               ٧
    Number of earners in primary family 16+
                                                               ٧
                                                                          5 .Value to value - no error
٧
          -1 .Not in universe (not in
                                                               D A%SEX
                                                                                  316
ν
          .primary family)
O .No earners
                                                                    Sex allocation flag
                                                                          0 .No change
ν
         1-8 .1-8 earners
                                                               ٧
                                                                          2 .Blank to value
          9 .9+ earners
                                                               ٧
                                                                          3 .Value to value
                                                                          4 .Allocated
D A-PFNOEM
                  292
     Number of employed in primary
                                                               D A%VET
                                                                             1
                                                                                 317
     family 16+
                                                                    Veteran status allocation flag
          -1 .Not in universe
٧
                                                                          0 .No change
         O .No one employed
٧
                                                               ٧
                                                                          2 .Blank to value
         1-8 .1-8 employed
                                                                          3 .Value to value
                                                               ٧
          9 .9+ employed
                                                                          4 .Allocated
                                                               ٧
D A-PFNOUN 1
                 293
                                                                                 318
     Number of unemployed in primary
                                                                    Highest grade attended allocation flag
     family 16+
                                                                          0 .No change
U ALL
                                                                          4 .Allocated
٧
          -1 .Not in universe (not in
٧
            .primary family)
                                                               D AXHGC
                                                                                 319
          0 .No unemployed
                                                                    Highest grade completed allocation flag
        1-8 .1-8 unemployed
                                                                          0 .No change
          9 .9+ unemployed
                                                                          2 .Blank to value
                                                               ٧
D A-FAMUGT
             8
                  294
                                                               D AXRACE
     Family weight - two implied decimal
                                                                    Race allocation flag
                                                                          0 .No change
     places
U All
                                                                          2 .Blank to value
                                                                          4 .Allocated
D A-FMEWGT 8 302
     Family earnings weight (2 implied
```

decimal places) allocation flags

U H-MIS=4 or 8

DATA	SIZE BEGIN	DATA	SIZE BEGIN
D A%ORIGI		D AXWHYABS	
_	in allocation flag	V	0 .No change
V	0 .No change	V	1 .Value to blank
V	2 .Blank to value	V	2 Blank to value
V	5 .Value to value - no error	V	3 .Value to value
٧	8 .Blank to N/A code	V	4 .Allocated
D A%LFSR	1 322	D A%PAYABS	1 333
	r force status recode allocation	V AMPAINDS	0 No change
flag		v	1 .Value to blank
V	0 .No change	v	2 .Blank to value
v	4 .Allocated	v	3 .Value to value
-		V	4 .Allocated
D AXMAJAC	т 1 323		
٧	0 .No change	D A%FTABS	1 334
٧	1 .Value to blank	٧	0 .No change
٧	2 .Blank to value	V	<ol> <li>Value to blank</li> </ol>
٧	3 .Value to value	V	2 .Blank to value
٧	4 .Allocated	٧	<ol><li>Value to value</li></ol>
		٧	4 .Allocated
D AXANYWK			4
V	0 .No change	D A%LKWK	1 335
V	1 Value to blank	V	0 No change
V	2 Blank to value	V	1 .Value to blank
V V	3 .Value to value 4 .Allocated	V V	2 .Blank to value
¥	4 .Attocated	V V	3 .Value to value 4 .Allocated
D A%HRS	1 325	¥	Attocated
V	0 .No change	D AXMTHD	1 336
v	1 .Value to blank	V	0 .No change
v	2 Blank to value	v	1 .Value to blank
Ÿ	3 .Value to value	Ÿ	2 .Blank to value
٧	4 .Allocated	Ÿ	3 .Value to value
		v	4 .Allocated
D A%HRSCHI	K 1 326		
٧	0 .No change	D A%WHYLK	1 337
٧	1 .Value to blank	٧	0 .No change
٧ .	2 .Blank to value	V	1 .Value to blank
٧	3 .Value to value	٧	2 .Blank to value
V	4 .Allocated	V	3 .Value to value
	4 707	٧	4 .Allocated
D A%USLFT		D. ANIHADI V	4 770
V V	0 .No change 1 .Value to blank	D A%WKSLK V	1 338 0 .No change
v	2 .Blank to value	V	1 .Value to blank
v	3 .Value to value	V	2 .Blank to value
v	4 .Allocated	v	3 .Value to value
•	4 Inttobated	v	4 .Allocated
D A%FTREA	s 1 328	•	
V	0 .No change	D A%LKFTPT	1 339
٧	1 .Value to blank	V	O .No change
V	2 .Blank to value	V	1 .Value to blank
V	3 .Value to value	V	2 .Blank to value
٧	4 .Allocated	V	3 .Value to value
R 181	N 1 730	٧	4 .Allocated
D A%LOSTII		M 48/41/47	4 7/0
V V	0 .No change 1 .Value to blank	D AXAVAIL V	1 340
V	2.Blank to value	V	0 .No change 1 .Value to blank
v	3 .Value to value	v	2 .Blank to value
Ÿ	4 .Allocated	v	3 .Value to value
•		v	4 .Allocated
D AXOVRTII	M 1 330	-	
V	0 .No change	D AZWHYNA	1 341
V	1 .Value to blank	V	0 .No change
٧	2 .Blank to value	Ÿ	1 .Value to blank
٧	3 .Value to value	V	2 .Blank to value
٧	4 .Allocated	٧	3 .Value to value
		٧	4 .Allocated
D A%JOBAB	- ,		
V	0 .No change	D AXWHENLI	
V	1 .Value to blank	٧	0 .No change
V	2 .Blank to value	V	1 .Value to blank
V.	3 .Value to value	V 	2 .Blank to value
٧	4 -Allocated	V	3 .Value to value
		V	4 .Allocated

DATA	SIZE BEGIN	DA	TA	SI	IZE BEGIN
		D	AXHRLYWK		1 352
D A%IND	1 343	٧	٠ .	- 1	.Not in universe
V	0 .No change	٧		0	.No change
٧	1 .Value to blank	٧		1	.Value to blank
٧	2 .Blank to value	٧		2	.Blank to value
٧	3 .Value to value	٧		3	.Value to value
٧	4 .Allocated	٧		4	.Allocated
D AXOCC	1 344	D	A%HRSPAY		1 353
٧	0 .No change	٧		- 1	.Not in universe
٧	1 .Value to blank	V		0	.No change
٧	2 .Blank to value	٧			.Value to blank
٧	3 .Value to value	٧		2	.Blank to value
٧	4 .Allocated	٧		3	.Value to value
		٧		4	.Allocated
D AXCLSWKR					
V	0 No change	D		_	1 354
Y	1 .Value to blank	٧			.Not in Universe
Y	2 .Blank to value	٧			.No change
V	3 .Value to value	٧			.Value to blank
V	4 .Allocated	٧		_	.Blank to value
B 4000 Ft -	4 7//	٧			.Value to value
D AXNLFLJ	1 346 0 No shanes	٧		4	.Allocated
V V	0 .No change	-	A MI DISSESS		4 755
v	1 .Value to blank		AXUNMEM		1 355
v	2 .Blank to value	۷			.Not in universe
v	3 .Value to value	٧			.No change
٧	4 .Allocated	٧			.Value to blank
D AXWHYLFT	1 347	V			.Blank to value .Value to value
V	0 No change	٧		_	.Allocated
v	1 .Value to blank	٧		4	.Attocated
v	2 .Blank to value	n	AXUNCOV		1 356
Ÿ	3 .Value to value	v		1	.Not in universe
v	4 .Allocated	v			.No change
		v			.Value to blank
D AXWANTJB	1 348	v			.Blank to value
٧	0 .No change	V			.Value to value
٧	1 .Value to blank	V			.Allocated
٧	2 .Blank to value				
٧	3 .Value to value	D	<b>A%ENRCHK</b>		1 357
٧	4 .Allocated	V		0	.No change
		٧		1	.Value to blank
D AXWHYNL	1 349	V		2	.Blank to value
٧	0 .No change	٧			.Value to value
٧	1 .Value to blank	٧		4	.Allocated
V	2 .Blank to value				
V	3 .Value to value		A%ENRLW	_	1 358
٧	4 .Allocated	٧			.No change
D 4911175115	1 750	V			.Value to blank
D AXINTEND		٧			.Blank to value
V	0 .No change 1 .Value to blank	V			.Value to value .Allocated
V	2 .Blank to value	٧		4	.Allocated
V	3 .Value to value	n	AXHSCOL		1 359
v	4 Allocated	V		n	.No change
•	T MILLOUGH	٧			.Value to blank
D AZUSLHRS	1 351	v			.Blank to Value
V	0 .No change	v		_	.Value to value
Ÿ	1 .Value to blank	v		_	Allocated
v	2 .Blank to value	•		•	<del>-</del>
V	3 .Value to value	D	<b>A%FTPT</b>		1 360
ν	4 .Allocated	٧		Q	.No change
		٧		1	.Value to blank
		٧		_	.Blank to value
		٧			.Value to value
		٧		4	.Allocated

#### **ATTACHMENT 7**

#### Current Population Survey Children Interview Data Dictionary

```
DATA
             SIZE BEGIN
                                                                 DATA
                                                                             SIZE BEGIN
D H$PAD1
               1
                      1
                                                                            12 .Other not HU
D R$PAD2
               1
                                                                       Farm defin - edited using urban/rural
D H-MONTH
              2
                                                                       code
     Month of survey
                                                                       From MST and CPS-1 Items 5A and 5B
      01-12 .Month
                                                                             1 .Nonfarm
                                                                             2 .Farm
                                                                  ٧
D H-YEAR
            1
     Year of survey - last digit
                                                                  D H-TYPINT 1 12
Item 13 - Type interview
         0-9 .Last digit of year
                                                                            -1 .Blank or impossible
D H-HHNUM
                                                                  ٧
                                                                             1 .Noninterview
     Household number
                                                                             2 .Personal
UALL
                                                                  V
                                                                             3 .Tel. - regular
4 .Tel. - callback
٧
          -1 .Blank
                                                                  ٧
٧
         1-8 .Household number
                                                                             5 .ICR filled
D H-CPSCHK 1
                                                                  D H-RESPNM
     Item 1 - Interviewer check item
                                                                      Item 12 - Line no. HHLD resp.
٧
          -1 .Blank
                                                                            -1 .Blank or impossible
           1 .Only CPS-1 for household
                                                                  v
                                                                           1-6 .Line no.
٧
           2 .First CPS-1 of continuation
                                                                           7 .Non HHLD resp.
٧
             .household
           3 .Second CPS-1 of continuation
                                                                 D H-AREASN 1
                                                                      Item 14 - Reason for type A
             .household
           4 .Third, fourth, etc. CPS-1
                                                                 U H-HHTYPE=2
                                                                  ν
                                                                            -1 .Not in universe
D H-DAYCMP
            1
                                                                             1 .No one home
    Day interview complete
                                                                             2 .Temporarily absent
                                                                             3 .Refused
          -1 .Blank
                                                                             4 .Other - occ.
٧
           1 .Sunday
                                                                      ARACE 1 15
Item 14 - Race for type A
٧
           2 .Monday
                                                                 D H-ARACE
           3 .Tuesday
٧
           4 .Wednesday
                                                                 U H-HHTYPE=2
           5 .Thursday
                                                                 ν
                                                                            -1 .Not in universe
           6 .Friday
                                                                 ٧
                                                                            1.₩hite
           7 .Saturday
                                                                            2 .Black
           8 .After interview week
                                                                            3 .Other
D H-LIVORT
     .IVQRT 2 9
Item 4 - Type of living quarters
                                                                 D H-TYPEBC
                                                                              2 16
                                                                      Item 15 - Type B/C
     (Recode)
                                                                 U H-HHTYPE=3
U ALL
                                                                          -1 .Not in universe
     Housing unit
                                                                       Type B
                                                                           01 .Vacant - regular
02 .Vacant - storage of HHLD
          01 .House, apt., flat
          02 .HU in nontransient hotel, etc.
                                                                 v
٧
          03 .HU, perm., in trans. hotel,
                                                                              .furniture
                                                                 ٧
٧
            .motel etc.
                                                                           {\tt 03} .Temp occ. by persons with URE
                                                                 ٧
          04 .HU in rooming house
                                                                 ٧
                                                                           04 .Unfit or to be demolished
٧
                                                                           05 .Under construction, not ready
          05 .Mobile home or trailer with
٧
             .no permanent room added
                                                                 ٧
                                                                           06 .Converted to temp. business
٧
          06 .Mobile home or trailer with 1
                                                                              .or storage
          .or more perm. rooms added 07 .HU not specified above
                                                                           07 .Occ. by AF members or persons
                                                                              under 15
     Other unit
                                                                           08 .Unocc. tent or trailer site
          08 .Qtrs not HU in rooming or
                                                                           09 .Permit granted, construction not
            .boarding house
                                                                              .started
          09 .Unit not perm. in trans. hotel,
                                                                           10 .Other
            .motel, etc.
                                                                      Type C
          10 .Tent or trailer site
                                                                           11 .Demolished
          11 .Student quarters in college
                                                                           12 .House or trailer moved
             .dormitory
                                                                           13 .Outside segment
```

## **CURRENT POPULATION SURVEY - CHILDREN INTERVIEW**

CURRENT POPOLATION SONTET SOMESMENT TO THE	
DATA SIZE BEGIN	DATA SIZE BEGIN
DATA PERMIT	
y 14 .Converted to perm. business or	D H-TENURE 1 25
V .storage	Tenure
V 15 .Merged	U All
V 16 .Condemned	y -1 Not in universe
v 17 .Built after April 1, 1980	y 1 .Owned or being bought
V 18 .Unused line of listing sheet	y 2 .Rent
y 19 .Other	y 3 .No cash rent
	D H-FAMINC 2 26
D H-SEASON 1 18	Family income
Item 16 - Seasonal status	Note: If a nonfamily household
U H-TYPEBC=1-3	(H-FAMIND=0), income includes only
v -1 .Not in universe	that of householder.
V 1 .Year round	U All
V 2.By migratory workers	y -1 .Not in universe
V 3 .Seasonally	v 0 .Less than \$5,000
D H-OCCINT 1 19	v 1 .\$5,000 to \$7,499
D H-OCCINT 1 19 Item 17 - This unit is intended for	y 2 .\$7,500 to \$9,999
	y 3 .\$10,000 to \$12,499
occupancy U H-SEASON=2 or 3 and M-LIVQRT=1-7	v 4 .\$12,500 to \$14,999
	v 5 .\$15,000 to \$19,999
	v 6.\$20,000 to \$24,999
V 1 Summers only	v 7 .\$25.000 to \$29,999
V 2 Winters only	v 8 .\$30,000 to \$34,999
V 3.Other	v 9 .\$35,000 to \$39,999
N. (1. THY DO 14 2 20	v 10 .\$40,000 to \$49,999
D H-INTRV1 2 20	v 11 .\$50,000 to \$59,000
Interviewer code	v 12 .\$60,000 to \$74,999
Blank or impossible in any digit interviewer code A00-M99 excluding IXX	y 13 .\$75,000 and Over
	v 19 .Not answered
v -1 .Blank	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
V 00 .A	D N-TELHHD 1 28
V 01 .B	Telephone in household
V 02 .C	U All (March, July, Nov. only)
v 03 .D	y -1 .Not in universe (noninterview)
V 04 .E	v 1 .Yes
V 05.F	v 2.No
V 06.G	γ ε.no
V 07.H	D H-TELAVL 1 29
V 08 J	<b>5</b> (1 1 = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
y 09 .K	Telephone available
v 10 .L	U H-TELHHD=2 (March, July, Nov. only) v -1 .Not in universe
v 11 .M	·
V 12 .N	y 1 .Yes
v 13 .P	V 2 _No
v 14 .Q	D H-TELINT 1 30
v 15 .R	D H-TELINT 1 30 Telephone interview acceptable
v 16 .\$	retephone interview acceptable
v 17 .T	U H-TELHHD=1 or H-TELAVL=1 (March, July,
v 18.u	Nov. only)
y 19 .V	y -1 .Not in universe
v 20 .W	v 1 -Yes
y 21 .X	V 2 .No
γ <u>22</u> .Υ	D H-PRSCNT 1 31
v 23 .Z	Item 30 - Number of contacts - actual
	and attempted personal
D H-INTRV2 1 22	U March, July, Nov. only
Interviewer Code - digit 2	v march, July, wov. only
V -1 .Blank	• • • • • • • • • • • • • • • • • • • •
V 0-9 .Interviewer code digit 2	
	v _(6 = 6+)
D H-INTRV3 1 23	D H-TFICNT 1 32
Interviewer Code - digit 3	
v -1 .Blank	Item 30 - Number of contacts - actual
V 0-9 .Interviewer code digit 3	and attempted telephone
	U March, July, Nov. only
D H-STATUS 1 24	y -1 .Blank
Item 27B - HHLD status change -	y 1-9 # of telephone contacts
replacement household	v .(9 = 9+)
U All	
V -1 .Blank	D H-TIMINT 1 33
V 1.Yes	Item 31 - Time of interview
V 2.No	U March, July, Nov. only
	v -1 .Blank
	v 1 Midnight to 6 A.M.
	v 2 .6 to 9 A.M.
	y 3.9 A.m. to noon

```
DATA
            SIZE BEGIN
                                                                 DATA
                                                                             SIZE BEGIN
             4 Noon to 3 P.M.
                                                                  D H-MSTIND 5
                                                                                     44
 ٧
            5 .3 to 6 P.M.
                                                                       Master segment tape index
            6 .6 to 9 P.M.
7 .9 P.M. to midnight
 ν
                                                                       Unique segment identifer
                                                                  D H-HHWGT
                                                                               9
                                                                                     49
                                                                       Household weight (2 implied
       Household recodes
                                                                       decimal places)
                                                                       Final household weight equivalent to
                                                                       the weight of the wife in husband-wife
 D H-HHTYPE 1
                                                                       households and the reference person
      Type of household
                                                                       in all other households
 ٧
            1 .Interview
2 .Type A non-interview
 ٧
                                                                    Allocation flags
 ٧
            3 .Type B/C non-interview
 D H-MIS
              1
                                                                  D HXTENURE 1
      Month in sample
                                                                            0 .No change
1 .Value to blank
 U ALL
                                                                  ٧
          1-8 .Month in sample
                                                                  ν
                                                                             4 .Allocated
 D H-NUMPER 2
                     36
                                                                  D HXFAMING
     Number of persons in household
                                                                             0 .No change
                                                                  ۷
                                                                             2 .Blank to value
          00 .Noninterview household
                                                                             6 .Refusal to value, allocated,
         1-39 .Number of persons in HHLD
 ٧
                                                                               .no error
 D H-TYPE
                                                                            1 60
0 .No change
                                                                 D H%ARACE
      Household type
UALL
                                                                             1 .Value to blank
            0 .Non-interview household
                                                                             4 .Allocated
٧

    Husband/wife primary family

              .(neither husband or wife in
٧
                                                                 D H%CPSCHK
              .Armed Forces)
                                                                            0 .No change
٧
            2 .Husband/wife primary family
                                                                            2 .Blank to value
٧
              .(husband and/or wife in armed
              .forces)
                                                                 D H%DAYCMP
ý
            3 .Unmarried civilian male
                                                                            0 .No change
V
              .primary family householder
                                                                            2 .Blank to value
           4 .Unmarried civilian female
           .primary family householder
5 .Primary family household -
                                                                 D H%HHNUM
۷
                                                                            0 .No change
             .reference person in
                                                                            2 .Blank to value
             .Armed Forces and unmarried
                                                                            8 .Blank to NA - error
٧
           6 .Civilian male primary
           .individual
7 .Civilian female primary
٧
                                                                 D H%INTRV
                                                                            0 .No change
             .individual
                                                                            2 .Blank to value
            8 .Primary individual household -
٧
             .reference person in Armed Forces
                                                                 D H%LIVORT
           9 .Group quarters
                                                                            0 .No change
                                                                            4 .Allocated
D H-TYPERP
             1
                                                                            7 .Blank to NA - no error
     Type of reference person
U H-HHTYPE=1
                                                                 D HXOCCINT
٧
           0 .Not in universe
                                                                            0 .No change
           1 .Civilian
٧
                                                                            1 .Value to blank
           2 .Armed Forces
                                                                            4 .Allocated
٧
           3 .Group quarters
                                                                              1
                                                                 D HXRESPNM
                                                                                     67
D H-NUMFAM
            2 40
                                                                            0 .No change
     Number of families in HHLD
                                                                            2 Blank to value
U H-HHTYPE=1
         00 .Not in universe
                                                                D HXSEASON
       00-39 . Number of families
                                                                            0 .No change
                                                                            1 .Value to blank
                                                                            4 _Allocated
     Householder sequence number
     (reference person)
                                                                D H%STATUS
     (Will be first adult record for
                                                                           0 .No change
     group quarters)
                                                                V
                                                                            1 .Value to blank
U H-HHTYPE=1
                                                                           2 .Blank to value
       00 .Not in universe
                                                                           3 .Value to value
      01-39 .Sequence number
                                                                           8 .Blank to NA - error
```

# CURRENT POPULATION SURVEY - CHILDREN INTERVIEW

CURRENT POPULATION SURVEY STREET	DATA SIZE BEGIN
DATA SIZE BEGIN	
D HYARFASH 1 70	y 45 .South Dakota
D HXAREASN 1 70 V 0 .No change	y 46 Nebraska
y 1 .Value to blank	y 47 .Kansas South Region (Region 3)
	South Atlantic Division (Div. 5)
D HXTYPEBC 1 71	y 51 _Delaware
y 0.No change v 1.Value to blank	y 52 Maryland
y 1 .Value to blank	y 53 District of Columbia
D H%TELHHD 1 72	y 54 "Virginia y 55 "West Virginia
y 0 .No change	v 56 North Carolina
y 1 .Value to blank	y 57 South Carolina
y 4 .Allocated	γ 58 Georgia
D H%TELAVL 1 73	y 59 Florida
V 0 No change	East South Central Division (Div. 6) V 61 Kentucky
y 1 .Value to blank	y 61 .Kentucky y 62 .Tennessee
y 4 .Allocated	v 63 "Alabama
N HYTELINT 1 74	v 64 .Mississippi
D HXTELINT 1 74 V 0 No change	West South Central Division (Div. 7)
y 1 .Value to blank	v 71 .Arkensas v 72 .Louisiana
y 4 .Allocated	y 72 Louisiana y 73 Oklahoma
	v 74 .Texas
D H%PRSCNT 1 75	West Region (Region 4)
y 0.No change y 2.Blank to value	Mountain Division (Div. 8)
y 2.Blank to value	v 81 Montana
D HATIMINT 1 76	y 82 .1daho
y 0 .No change	y 83 .Wyoming y 84 .Colorado
y 2 .Blank to value	y 85 .New Mexico
	y 86 Arizona
D H%TELCHT 1 77	v 87 .Utah
y 0 .No change y 7 _Blank to NA - no error	v 88 .Nevada
•	Pacific Division (Div. 9)
<b>治灾有治安灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾灾</b>	y 91 .Washington v 92 .Oregon
* Master Segment Tape (M.S.T.) items *	y 92 .Oregon y 93 .California
* for M.S.T. variables whose ranges are "	y 94 Alaska
* not defined here, see geographic	y 95 .Hawaii
* appendix to this DDL. *	
	D HG-STRN 2 81
D HG-REG 1 78	1980 State rank (See Geographic Appendix)
Region	(266 geoglabillo ybbora)
v 1 .Northeast	D HG-FIPS 2 83
v 2 Midwest v 3 South	FIPS State code
y 3 South y 4 West	(See Geographic Appendix)
4 4 44404	n HG-MSAS 1 85
D HG-ST60 2 79	D HG-MSAS 1 85 MSA status
1960 Census state code (first	v 1 .In MSA, in CC
digit = geog. division code) Northeast Region (Region 1)	y 2 .1n MSA, not in CC
Northeast Region (Region 17 New England Division (Div. 1)	y 3 Not in MSA
v 11 Maine	y 4 .Not identified
y 12 .New Hampshire	D HG-MSAC 4 86
v 13 ,Vermont	MSA or PMSA FIPS code
V 14 Massachusetts	v 0000 Not MSA/PMSA, not identified
y 15 .Rhode Island y 16 .Connecticut	v 0040-9340 .MST/PMSA code
Widdle Atlantic Division (Div. 2)	(See Geographic Appendix)
y 21 .New York	n ng-pmsa 2 90
v 22 .New Jersey	D HG-PMSA 2 90 PMSA rank
v 23 Pennsylvania	y no Not a PMSA, not identified
Midwest Region (Region 2) East North Central Division (Div. 3)	y 01-12 Ranking of PMSA within its CMSA
V 31 Ohio	(See Geographic Appendix)
y 32 .Indiana	- We wash - 7 - 63
v 33 .Illinois	D HG-MSAR 3 92 MSA or CMSA rank
v 34 .Michigan	wsa or twsa rank v 000 Not an Msa, not identified
v 35 Wisconsin	V 001-252 Ranking of MSAs or CMSAs by
West North Central Division (Div. 4)	y population
V 41 .Minnesota V 42 .Iowa	(See Geographic Appendix)
v 42 .Iowa v 43 .Missouri	
v 44 .North Dakota	
	7.4

DATA SIZE BEGIN	DATA SIZE BEGIN
D HG-MSSZ 2 95	
MSA size	D PADDING 4 126
First character padding	7 120
Second character pop. size MSA/CMSA	D C-RACE 1 130
V 1 .Not identified, not an MSA	Item 18J - Race
V 2 .100,000 - 249,999	U All
V 3 .250,000 - 499,999	V 1.White
V 4 .500,000 - 999,999	V 2 -Black
V 5 .1 million - 2,499,999 V 6 .2.5 million - 4,999,999	V 3 Amer. Indian, Aleut Eskimo
V 7.5 million - 9,999,999	V 4 .Asian or Pacific Islander V 5 .Other
V 8.10 million or more	y J.other
	D PADDING 63 131
D HG-CNSA 2 97	
V 00 .Not in CMSA, not identified	*********
V 07-91 CMSA code	* Child recodes *
(See Geographic Appendix)	************************
D H-METSTA 1 99	D. C-DEODCH 3 40/
V 1 .Metropolitan	D C-REORGN 2 194 Item 18K - Origin
V 2 .Nonmetropolitan	UALL
V 3 .Not identified	V 1 .Mexican American
	V 2 _Chicano
D H-1NDVCC 1 100	V 3 .Mexican (Mexicano)
Individual central city identifier	V 4 .Puerto Rican
(See Geographic Appendix)	V 5 Cuban
D II DECTUD 4 404	V 6 Central or South American
D H-RECTYP 1 101 V 1 Interviewed adult	V 7 Other Spanish
V 1 .Interviewed adult V 2 .Type A noninterview	V 8.All other V 9.Don't know'
V 3 .Type B/C noninterview	V 10 .NA
V 4 .Armed Forces record	10 100
V 5 .Childrens record	D C-EXPRRP 2 196
	Expanded relationship code
D H-ID 12 102	U All
Unique household identifer	V 5 .Natural/adopted child
************	V 6.Step child
* Edited Children's Control Card Items *	V 7.Grandchild
*****************************	V 9 .Brother/sister V 10 .Other relative
	V 11 .Foster child
D C-LINENO 2 114	V 12 .Nonrelative with relatives
Item 18A - Line number	V 14 .Nonrelative without relatives
U ALL	
V 01-39 .line number	D PADDING 50 198
	***************************************
D C-RRP 2 116	* Child wainhte
Item 18B - Relationship to	* Child weights *
reference person U Ali	
V 5 .Own child	D C-FNLWGT 8 248 2
V 7.Brother/sister	Childs final weight
V 8.Other relative of ref. person	(2 implied decimal places)
V 9 .Non-rel. of reference person with	UALL
V .own relatives in KHLD	A4
V 10 .Non-rel, of reference person-no	D PADDING 16 256
V .own relatives in HHLD	***********
D C-PARENT 2 118	* Family recodes *
Item 18C - Parent's line number	**********
U All	
V 00 .None	D C-FAMNUM 2 272
V 01-39 .Parent's line number	Family number
	U All
D C-AGE 2 120	V 00 .Not a family member
Item 18D - Age	V 01 .Primary family member only
U All V 00-14 .Child age	V 02-19 .Subfamily member
V 00-14 Child age	D C-FAMTYP 1 274
D PADDING 3 122	Family type
- companie w rate	U All
D C-SEX 1 125	V 1 .Primary family
Item 18G - Sex	V 2 Primary individual
U ALL	V 3 Related subfamily
V 1.Male	V 4 .Unrelated subfamily
	V 5 .Secondary individual

## CURRENT POPULATION SURVEY - CHILDREN INTERVIEW

DATA	SIZE BEGIN	DATA SIZE BEGIN	
		D C-PFHHAG 1 282	
D C-FAME	REL 1 275	Age of primary family householder	
Fan	mily relationship	U All v O .Not a family member	
UALL		man but	
٧	O .Not a family member	y 1 < 25 years old y 2 25-44 years old	
٧	1 .Reference person		
٧	2 .Spouse	v 3 .45-54 years old v 4 .55-64 years old	
V	3 .Child	y 5 .65+ years old	
٧	4 Other relative (primary	y years ora	
V	family and unrelated	D C-LFESM 1 283	
V	.subfamily only)	Labor force and earner status (male)	
	4 27/	of husband of primary family or	
D C-PFN		male householder	
	mber of own children < 18 in	U All	
Ų ALL	imary family	v 0 .Not in primary family/no male	÷
V	O .Not in primary family	V 1 Employed earner	
v	1 No children	v 2 .Self-employed	
v	2 .1 child	v 3.Without pay	
v	3 .2 children	y 4.Unemployed	
V	4 .3 children	y 5 .Not in labor force	
Ÿ	5 .4 children	V 6 .Armed Forces	
V	6 .5 children	4 604	
V	7 .6 children	D C-LFESF 1 284	
V	8 .7 children	Labor force and earner status (female)	,
٧	9 .8+ children	of wife of primary family or female	
		householder	
D C-PFP		U All V 0 .Not in primary family/no	
	resence of own children < 18 in		
pr	rimary family.		
UALL		V 1 .Employed earner V 2 .Self-employed	
V	O Not in primary family	y 3 .Without pay	
V.	1 .No children < 18 years old	v 4 .Unemployed	
V	2 .All children 0-2 years old 3 .All children 3-5 years old	y 5 .Not in labor force	
V	4 .All children 6-13 years old	v 6 .Armed Forces	
V	5 .All children 14-17 years old	• • • • • • • • • • • • • • • • • • • •	
V V	6 .Children 0-2 and 3-5	D C-PFWS 1 285	
v	.(none 6-17)	Primary family earners wage and	
v	7 .Children 0-2 and 6-13	salary status (16+)	
v	.(none 3-5 or 14-17)	UALL	
v	8 .Children 0-2 and 14-17	v O Not in primary family	
٧	.(none 3-13)	y 1 .No one employed	
V	9 .Children 3-5 and 6-13	y 2 .Some employed - no wage	
V	.(none 0-2 or 14-17)	y and salary workers	
٧	10 _Children 3-5 and 14-17	y 3 .With wage and salary workers y _husband/wife or reference	, .
V	.(none 0-2 or 6-13)		
V	11 .Children_6-13 and 14-17	yperson_self-employed y 4 .With wage and salary workers	<b>.</b>
V	(none 0-5)	y .husband/wife or reference	
V	12 .Children 0-2, 3-5 and 6-13	y .person not self-employed ot	her
V	.(none 14-17) 13 .Children 0-2, 3-5 and 14-17	v .household member self-employ	/ed
V		y 5 .With wage and salary workers	ŝ
V V	.(none 6-13) 14 .Children 0-2, 6-13 and 14-17	v _only	
٧	(none 3-5)	•	
v	15 .Children 3-5, 6-13 and 14-17	D C-PFFTPT 1 286	
v	(none 0-2)	Usual full-time/part-time status of	
v	16 .Children from all age groups	primary family earners (16+)	
		U H-MIS=4 or 8	
D C-PF	REL 1 279	y -1 .Not in universe	
P	rimary family relationship	y (MIS 1,2,3,5,6,7)	
U ALL		y 0 Not in primary family	
V	O .Not in primary family	V 1 .No earners V 2 .All earners full time	
V	1 .Husband	y 3 Some full time, some part ti	ime
V	2 Wife	y 4 .All earners part time	
V.	3 .Own child	v 5 .Not in universe	
V	4 .Other relative	4 3 mor in dillacing	
V	5 .Unmarried reference person	D C-PFEARN 4 287	
	SIZE 2 280	Total weekly family earnings	
D C-PF		(for members 16+)	
U All	Size of primary family	U H-MIS=4 or 8	
V	00 .Not in primary family	V -1 .Not in primary family	
v	02-39 Number individuals	y .or not in universe	
v	.(A-FAMTYP = 1 or 3)	v 0000-9999 .Usual weekly family earnings	
•	•		

DATA SIZE BEGIN	DATA SIZE BEGIN
D C-PFNOER 1 291	D CYODD 4 744
	D CXRRP 1 311
Number of earners in primary family 16+	Relationship to reference person
U All	allocation flag
V -1 .Not in universe (not in	V 0 .No change
V .primary family)	V 2 .Blank to value
V 0 .No earners	V 3 .Value to value
V 1-8 .1-8 Earners	V 5 .Value to value - no error
V 9.9+ Earners	
	D C%PARENT 1 312
D C-PFNOEM 1 292	Parent's line number allocation flag
Number of employed in primary	V 0 .No change
family 16+	V 2 .Blank to value
V -1 .Not in universe	V 3.Value to value
V 0 .No one employed	V 5 .Value to value - no error
V 1-8 .1-8 Employed	
V 9.9+ Employed	D C%AGE 1 313
	Age allocation flag
D C-PFNOUN 1 293	V 0 .No change
Number of unemployed in primary	V 2.Blank to value
family 16+	V 4.Allocated
U All	V 4 .Attocated
	D DIDDING 2 71/
V -1 .Not in universe (not in	D PADDING 2 314
V .primary family)	N A 744
V 0 No unemployed	D C%SEX 1 316
V 1-8 .1-8 Unemployed	Sex allocation flag
V 9.9+ Unemployed	V 0 No change
	V 2 Blank to value
D C-FAMWGT 8 294 2	V 3.Value to value
Family weight - two implied	V 4 .Allocated
decimal places	
U ALL	D PADDING 3 317
D C-FMEWGT 8 302 2	D CXRACE 1 320
Family earnings weight	Race allocation flag
(2 implied decimal places)	V 0 .No change
U H-MIS=4 or 8	V 2 .Blank to value
	V 4 .Allocated
********	
* Allocation flags *	D CXORIGIN 1 321
*********	Origin allocation flag
	V 0 No change
D CXLINENO 1 310	V 2 .Blank to value
Line number allocation flag	V 5 .Value to value - no error
V 0 .No change	V 8 Blank to n/a code
V 2 .Blank to value	
V 3 .Value to value	D PADDING 39 322
. 5 115146 to 14146	Tireding of obt

#### **ATTACHMENT 8**

# Current Population Survey Armed Forces Interview Data Dictionary

```
DATA
            SIZE BEGIN
                                                                DATA
                                                                            SIZE BEGIN
D H$PAD1
                                                                           12 .Other not HU
D H$PAD2
                                                                 D H-FARM
                                                                      Farm def'n - edited using urban/rural
D H-MONTH
              2
                                                                      code
     Nonth of survey
                                                                 UALL
                                                                      From MST and CPS-1 Items 5A and 5B
      01-12 .Month
                                                                            1 .Nonfarm
D H-YEAR
             1
     Year of survey - last digit
                                                                 D H-TYPINT 1 12
                                                                      Item 13 - Type interview
         0-9 .Last digit of year
                                                                 ٧
                                                                            -1 .Blank or impossible
D H-HHNUM
                                                                            1 .Noninterview
             1
    Household number
                                                                            2 .Personal
                                                                            3 .Tel. - regular
4 .Tel. - callback
٧
          -1 .Blank
         1-8 . Household number
                                                                            5 .ICR filled
    CPSCHK 1 7
Item 1 - Interviewer check item
D H-CPSCHK
                                                                 D H-RESPNM
                                                                      Item 12 - Line no. HHLD resp.
ν
          -1 .Blank
                                                                 ٧
                                                                           -1 .Blank or impossible
٧
           1 .Only CPS-1 for household
                                                                          1-6 .Line no.
7 .Non HHLD resp.
           2 .First CPS-1 of continuation
             .household
           3 .Second CPS-1 of continuation
                                                                      AREASN 1 14
Item 14 - Reason for type A
                                                                 D H-AREASN
             .household
           4 .Third, fourth, etc. CPS-1
                                                                 U H-HHTYPE=2
                                                                           -1 .Not in universe
                                                                 ٧
D H-DAYCMP
                                                                 ٧
                                                                            1 .No one home
    Day interview complete
                                                                 ٧
                                                                            2 .Temporarily absent
UALL
                                                                            3 .Refused
٧
          -1 .Blank
                                                                            4 .Other - occ.
٧
           1 .Sunday
           2 .Monday
                                                                 D H-ARACE
                                                                      Item 14 - Race for type A
٧
           3 .Tuesday
٧
           4 .Wednesday
                                                                 U H-HHTYPE=2
           5 .Thursday
                                                                           -1 .Not in universe
           6 .Friday
                                                                            1 .White
٧
                                                                 ν
٧
           7 .Saturday
                                                                 ٧
                                                                            2 .Black
           8 .After interview week
                                                                            3 .Other
     IVORT 2 9
Item 4 - Type of living quarters
D H-LIVORT
                                                                 D H-TYPEBC
                                                                              2 16
                                                                      Item 15 - Type B/C
     (Recode)
                                                                 U H-HHTYPE=3
UALL
                                                                          -1 .Not in universe
     Housing unit
                                                                      Type B
          01 .House, apt., flat
                                                                           01 .Vacant - regular
                                                                           02 .Vacant - storage of HHLD
          02 .HU in nontransient hotel, etc.
٧
          03 .HU, perm., in trans. hotel,
                                                                               .furniture
                                                                           03 .Temp occ. by persons with URE
            .motel etc.
۷
          04 .HU in rooming house
                                                                 ٧
                                                                           04 .Unfit or to be demolished
٧
          05 .Mobile home or trailer with
                                                                 ٧
                                                                           05 .Under construction, not ready
             .no permanent room added
                                                                           06 .Converted to temp. business
٧
          06 .Mobile home or trailer with 1
                                                                              .or storage
                                                                           07 .Occ. by AF members or persons
             .or more perm. rooms added
          07 .HU not specified above
                                                                              .under 15
    Other unit
                                                                           08 .Unocc. tent or trailer site
٧
          08 .Qtrs not HU in rooming or
                                                                           09 .Permit granted, construction not
٧
            .boarding house
                                                                              .started
          09 .Unit not perm. in trans. hotel,
                                                                           10 .Other
            .motel, etc.
                                                                      Type C
          10 .Tent or trailer site
                                                                           11 .Demolished
          11 .Student quarters in college
                                                                           12 . House or trailer moved
             .dormitory
                                                                           13 .Outside segment
```

CORRE	ATTO OCCUPANTE PRINCE PRINCE		
DATA	SIZE BEGIN	DATA	SIZE BEGIN
	A Landa de la Companya de la Company	٧ .	-1 .Not in universe
V	14 .Converted to perm. business or	v	1 Owned or being bought
V	.storage	-	2 Rent
V	15 .Merged	V	
٧	16 .Condemned	٧	3 .No cash rent
٧	17 .Built after April 1, 1980		
٧	18 .Unused line of listing sheet	D H-FAM	
V	19 .Other	Fa	mily income
		No	te: If a nonfamily household
D H-SE	ASON 1 18	(H	-FAMIND=0), income includes only
	tem 16 - Seasonal status	th	at of householder.
	PEBC=1-3	UALL	
V	-1 .Not in universe	٧	-1 .Not in universe
-	1 .Year round	٧	O .Less than \$5,000
V	2 By migratory workers	v	1 .\$5,000 to \$7,499
V		Ÿ	2 .\$7,500 to \$9,999
V	3 .Seasonally	v	3 .\$10,000 to \$12,499
	4 40	v	4 .\$12,500 to \$14,999
	CINT 1 19	v	5 .\$15,000 to \$19,999
	tem 17 - This unit is intended for		6 .\$20,000 to \$24,999
	eccupancy	V	7 .\$25,000 to \$29,999
U H-SE	ASON=2 or 3 and H-LIVQRT=1-7	V	
٧	-1 .Not in universe	V	8 .\$30,000 to \$34,999
٧	1 .Summers only	٧	9 .\$35,000 to \$39,999
٧	2 .Winters only	V	10 .\$40,000 to \$49,999
V	3 .Other	٧	11 .\$50,000 to \$59,000
		٧	12 .\$60,000 to \$74,999
D H-IN	rtrv1 2 20	٧	13 .\$75,000 and Over
	Interviewer code	V	19 .Not answered
	Blank or impossible in any digit		
	interviewer code A00-M99 excluding IXX	D H-TEI	LHHD 1 28
v	-1 Blank		elephone in household
		U ALL	(March, July, Nov. only)
V	00 .A	v	-1 .Not in universe (noninterview)
٧	01 .B	v	1 .Yes
٧	02 .C	Ň	2 .No
V	03 .D	'*	
V	04 .E	D H-TE	LAVL 1 29
V	05 .F		elephone available
V	06 .G		LHHD=2 (March, July, Nov. only)
٧	07 .H		-1 .Not in universe
٧	08 .J	V	1 .Yes
٧	09 .K	V	2 .No
٧	10 .L	V	2 ,NO
٧	11 .M	_ "	LINT 1 30
٧	12 .N	D H-TE	elephone interview acceptable
· <b>V</b>	13 .P		etephone interview acceptable
٧	14 .Q		LHHD=1 or H-TELAVL=1 (March, July,
V	15 .R		only)
٧	16 .S	V	-1 .Not in universe
٧	17 .T	V	1 .Yes
٧	18 .U	V	2 .No
V	19 .V	_	
٧	20 .W		SCNT_ 1 31
V	21 .X		tem 30 - Number of contacts - actual
V	22 .Y	8	ind attempted personal
V	23 . 2	บ Marc	h, July, Nov. only
-	·	V	-1 _Blank
<b>р и-т</b>	NTRV2 1 22	V	1-6 _# of personal contacts
	Interviewer Code - digit 2	V	.(6 = 6+)
٧	-1 "Blank		
v	0-9 Interviewer code digit 2		LCNT 1 32
•	o v samen come actions of the company		tem 30 - Number of contacts - actual
D H-1	NTRV3 1 23		and attempted telephone
	Interviewer Code - digit 3	U Marc	ch, July, Nov. only
٧	-1 _Blank	٧	-1 Blank
v	0-9 .Interviewer code digit 3	V	1-9 .# of telephone contacts
•	o y spired from to be digital	V	(9 = 9+)
ח א-פ	STATUS 1 24	-	
ט וו ע	Item 278 - HHLD status change -	D H-T1	MINT 1 33
	replacement household		Item 31 - Time of interview
U ALL			ch, July, Nov. only
	-1 ,Blank	V	-1 .Blank
V		v	1 .Midnight to 6 A.M.
V	1 Yes	v	2 .6 to 9 A.M.
٧	2 .No	V	3 .9 A.m. to noon
		v	4 .Noon to 3 P.M.
D H-T	ENURE 1 25	¥	T MOON to 5 (and
	Tenure		
UALL			
		8_2	

DATA SIZE B	BEGIN	DAT	<b>A</b> .	SIZE	BEGIN
V 5.3 to	4 D M		H-MSTIND	5	44
V 6.6 to		U			ent tape index
	1. to midnight				ent identifer
			J.// 455		
*********	******	D	H-HHWGT	9	49 . 2
<ul> <li># Household rec</li> </ul>	codes *		Househ	old w	eight (2 implied
*****	******************		decima		
<u>-</u>					hold weight equivalent to
D H-HHTYPE 1	34				of the wife in husband-wife
Type of househ	iota				and the reference person r households
U All V 1.Inter	างร้อน		in acc	otne	r nousenotas
	A non-interview	**	****	****	********
	B/C non-interview	*	Allocat	ion f	lags *
••		**	*****	****	********
D H-MIS 1	35				
Month in sampl	le .		H%TENURE	_ 1	. 58
UALL	•	V			change
V 1-8 .Month	n in sample	V			lue to blank located
DH-NUMPER 2	36	٧		4	tocated
	sons in household	D	H%FAMINC	1	59
U All		V			change
V 00 .Nonir	nterview household	V		2 .Bl	ank to value
V 1-39 . Numbe	er of persons in HHLD	V		6 .Re	fusal to value, allocated,
		٧		.no	error
D H-TYPE 1	38	_	UNABASE		40
Household type	•	V	HXARACE	1 0 No	60 ebanga
UALL V 0.Non-i	interview household	v			change lue to blank
	and/wife primary family	v			located
	ther husband or wife in	•			*******
•	i Forces)	D	H%CPSCHK	1	61
	and/wife primary family	V			change
	pand and/or wife in armed	٧		2 .Bl	ank to value
V .force	-	_	USD A VOUD	4	42
	rried civilian male ary family householder	V	H%DAYCMP	1 0 No	62 change
	ried civilian female	v			ank to value
	ary family householder	•			
	ary family household -	D	H%HHNUM	1	63
V .refer	ence person in	V			change
	forces and unmarried	V			ank to value
	ian male primary	٧		8 .81	ank to NA - error
V indiv	vidual Lian female primary		H%INTRV	1	64
V 7.CIVIT		V	DAINIKI	-	change
	ary individual household -	v		:	ank to value
	rence person in Armed Forces	-			
	quarters	D	H%L I VQRT	1	65
·		٧			change
D H-TYPERP 1	39	V			located
Type of refere	ence person	٧		/ .Bl	ank to NA - no error
U H-HHTYPE=1 V 0.Not i	in universe	n	H%OCCINT	1	66
V 1.Civil		v			change
V 2 Armed		v			lue to blank
	quarters	٧		4 .AL	located
•					
D H-NUMFAM 2	40		HXRESPNM	1	. 67
Number of fami	ilies in HHLD	V			change
U H-HHTYPE=1	in thispage	٧		2 .Bl	ank to value
	in universe er of families	מ	H%SEASON	1	68
- 00 97 Maile	ar or remition	v		-	change
D H-HHDSEQ 2	42	v			lue to blank
Householder se		٧		4 .Al	located
(reference per	rson)				
	t adult record for		HXSTATUS	1	69
group quarters	5)	V			change
U H-HHTYPE=1	in Imiyaraa	V			lue to blank ank to value
V 00 .Not i V 01-39 .Seque	in universe	V			lue to value
• 01-34 '2edne	SINGE (RE)DO	v			ank to NA - error
		•			

DATA SIZE BEGIN	DATA SIZE BEGIN
	y 45 .South Dakota
D H%AREASN 1 70	v 46 Nebraska
V 0.No change V 1.Value to blank	v 47 .Kansas
A 1 TARING TO DIGIN	South Region (Region 3)
D H%TYPEBC 1 71	South Atlantic Division (Div. 5)
V 0 .No change	V 51 Delaware
V 1 .Value to blank	V 52 Maryland V 53 District of Columbia
A	y 53 District of Columbia V 54 Virginia
D HXTELHHO 1 72	y 55 .West Virginia
V 0.No change V 1.Value to blank	V 56 North Carolina
V 4 .Allocated	V 57 .South Carolina
•	V 58 Georgia
D HXTELAVL 1 73	V 59 .Florida
V 0 .No change	East South Central Division (Div. 6)
V 1 -Value to blank	V 61 Kentucky V 62 Tennessee
V 4 _Allocated	V 63 Alabama
D HXTELINT 1 74	V 64 Mississippi
D H%TELINT 1 74	West South Central Division (Div. 7)
V 1 Value to blank	V 71 .Arkansas
V 4 Allocated	V 72 .Louisiana
	V 73 .Oklahoma
D H%PRSCNT 1 75	V 74 .Texas
V 0 No change	West Region (Region 4) Mountain Division (Div. 8)
V 2.Blank to value	V 81 .Montana
D H%TIMINT 1 76	V 82 .1daho
V 0.No change	V 83 .Wyoming
V 2 .Blank to value	V 84 .Colorado
•	V 85 .New Mexico
D H%TELCNT 1 77	V 86 Arizona
V. 0 No change	V 87 .Utah
V 7 ,Blank to NA - no error	v 88 .Nevada Pacific Division (Div. 9)
**********	V 91 .Washington
* Master Segment Tape (M.S.T.) items *	v 92 .Oregon
* for M.S.T. variables whose ranges are *	v 93 "California
* not defined here, see geographic *	y 94 .Alaska
* appendix to this DDL. *	V 95 .Hawaii
*******	- NA ATEN 3 04
- u- 45- 4 <b>- 76</b>	D NG-STRN 2 81 1980 State rank
D HG-REG 1 78	(See Geographic Appendix)
Region V 1 Northeast	(and and approximately
V 2 .Midwest	D HG-FIPS 2 83
V 3 .South	FIPS State code
V 4 .West	(See Geographic Appendix)
	D HG-MSAS 1 85
D HG-ST60 2 79	D HG-MSAS 1 85 NSA status
1960 Census state code (first digit = geog. division code)	V 1 .In MSA, in CC
Northeast Region (Region 1)	y 2 .In MSA, not in CC
New England Division (Div. 1)	y 3 Not in MSA
V 11 Maine	V 4 .Not identified
V 12 .New Hampshire	n //o wood / 6/
V 13 .Vermont	D HG-MSAC 4 86 MSA or PMSA FIPS code
V 14 .Massachusetts V 15 .Rhode Island	v 0000 .Not MSA/PMSA, not identified
V 16 .Connecticut	V 0040-9340 MST/PMSA code
Middle Atlantic Division (Div. 2)	(See Geographic Appendix)
V 21 .New York	
V 22 New Jersey	D HG-PMSA 2 90
V 23 Pennsylvania	PMSA rank
Nidwest Region (Region 2)	V 00 .Not a PMSA, not identified V 01-12 .Ranking of PMSA within its CMSA
East North Central Division (Div. 3) V 31 .Ohio	(See Geographic Appendix)
V 31 Ohio V 32 Indiana	face annal abuse while with
V 33 .Illinois	D NG-MSAR 3 92
V 34 Michigan	MSA or CMSA rank
V 35 .Wisconsin	V 000 Not an MSA, not identified
West North Central Division (Div. 4)	V 001-252 Ranking of MSAs or CMSAs by
V 41 .Minnesota	V population
V 42 .lowa	(See Geographic Appendix)
V 43 .Missouri	
V 44 .North Dakota	

DATA SIZE BEGIN	DATA SIZE BEGIN
D HG-MSSZ 2 95	D M-ACE 3 430
MSA size	D M-AGE 2 120
First character padding	Item 18D - Age U Ali
Second character pop, size MSA/CMSA	V 15-90 .AF Age (Age topcoded at 90)
V 1 .Not identified, not an MSA	15 70 IN Age (Age topeoded at 70)
V 2 .100,000 - 249,999	D M-MARITL 1 122
V 3 .250,000 - 499,999	Item 18E - Marital status
V 4 .500,000 - 999,999	U All
V 5 .1 million - 2,499,999	V 1 .Married - civilian spouse
V 6 .2.5 million - 4,999,999	V .present
V 7.5 million - 9,999,999	V 2 .Married - Armed Forces spouse
V 8 .10 million or more	V .present
	V 3 .Married - spouse absent
D HG-CMSA 2 97	V .(exc. separated)
V 00 .Not in CMSA, not identified	V 4 .Widowed
V 07-91 .CMSA code	V 5 .Divorced
(See Geographic Appendix)	V 6 .Separated
<del>.</del>	V 7 .Never married
D H-METSTA 1 99	
V 1 .Metropolitan	D M-SPOUSE 2 123
V 2 .Nonmetropolitan	Item 18F - Spouse's line number
V 3 .Not identified	U ALL .
5 P 105005 4 455	V 00 None
D H-INDVCC 1 100	V 01-39 .Spouse's line number
Individual central city identifier	D W 950 4 495
(See Geographic Appendix)	D M-SEX 1 125
D H DECTYD 4 404	Item 18G - Sex
D H-RECTYP 1 101 V 1 Interviewed adult	U All
V 1 .Interviewed adult V 2 .Type A noninterview	V 1.Male
V 3 .Type B/C noninterview	V 2.Female
V 4 .Armed Forces record	D PADDING 1 126
V 5 .Childrens record	D PADDING 1 120
y . Childrens record	D M-HGA 2 127
D H-ID 12 102	Item 18H - Highest grade attended
Unique household identifer	U All
dirigae modbeneta raciferret	V 00 .None
********	V 01 .E1
* Edited Armed Force's Control Card Items *	V 02 .E2
**********	v 03 .E3
	V 04 .E4
D M-LINENO 2 114	v 05 .E5
Item 18A - Line number	V 06 .E6
U ALL	V 07 .E7
V 01-39 Line number	V 08 _E8
	V 09 .H1
D M-RRP 2 116	V 10 .H2
Item 188 - Relationship to reference	V 11 .H3
person	V 12 .H4
U All	V 13 .C1
V 1 .Reference person with other	V 14 .C2
V .relatives in household	V 15.C3
V 2 .Reference person with no other	V 16 .C4
V .relatives in household	v 17 .C5
V 3 .Husband	V 18 .C6+
V 4.Wife	
V 5.0m child	D M-HGC 1 129
V 6 .Parent	Item 181 - Grade completed
V 7.8rother/sister	U All
V 8 .Other relative of reference	V 1.Yes
V person	V 2.No
V 9 Nonrelative of reference	D M-DACC 4 170
V .person with own relatives	D M-RACE 1 130 Item 18J - Race
V .in household	
V 10 .Nonrelative of reference V .person-no own relatives in	U All V 1 .White
V .person-no own relatives in V .household	V 2.8lack
Y induserious	
D M-PARENT 2 118	V 3.Amer Indian, Aleut Eskimo V 4.Asian or Pacific Islander
Item 18C - Parent's line number	V 5 Other
U All	4 3 TOTHEL
V 00 None	D PADDING 63 131
V 01-39 Parent's line number	A LYDA CO 131
TO THE STATE OF STATE	

CORRENT FOR DESTROY SOURCE ANNUES TO THE SECOND	
DATA SIZE BEGIN	DATA SIZE BEGIN
	v 3.Child
**************	y 3 .Child y 4 .Other relative (primary family an
* Armed Forces - Recodes *	y .unrelated subfamily only)
***************************************	· · · · · · · · · · · · · · · · · · ·
D M-REORGN 2 194	D M-PFNOCD 1 276
Item 18K - Origin	Number of own Children < 18 in primary
U All	family
v 1 .Mexican American	U All
v 2 Chicano	y 0 .Not in primary family y 1 .No children
y 3 Mexican (Mexicano)	y 2.1 child
y 4 Puerto Rican	v 3.2 children
V 5 .Cuban V 6 .Central or South American	v 4.3 children
v 7 .Other Spanish	v 5.4 children
V 8 All other	v 6.5 children
V 9 Don't know	v 7.6 children
V 10 .NA	v 8.7 children v 9.8+ children
	y y .or cilitaren
D M-EXPRRP 2 196	D M-PFPRCD 2 277
Expanded relationship code	UALL
V 1 .Reference person with relatives	v 0 .Not in primary family
v 2 Reference person without	y 1 .No children < 18 years old
v ,relatives	v 2 .All children 0-2 years old
y 3 , Husband	y 3 .All children 3-5 years old
v 4.Wife	v 4 .All children 6-13 years old v 5 .All children 14-17 years old
y 5 Natural/adopted child	y 5 .All children 14-37 years old y 6 .Children 0-2 and 3-5
V 6.Step child	y ,(none 6-17)
V 7.Grandchild V 8.Parent	v 7 .Children 0-2 and 6-13
v 9 Brother/sister	y .(none 3-5 or 14-17)
v 10 Other relative	v 8 .Children 0-2 and 14-17
v 11 .Foster child	v _(none 3-13)
V 12 .Nonrelative with relatives	y 9 .Children 3-5 and 6-13 y .(none 0-2 or 14-17)
v 13 Partner/roommate	y .(none 0-2 or 14-1/) y 10 .Children 3-5 and 14-17
y 14 .Nonrelative without relatives	y .(none 0-2 or 6-13)
D DADDANG EO 100	v 11 .Children 6-13 and 14-17
D PADDING 50 198	v _(none 0-5)
我们实验检验会我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们的证明,我们可以证明我们可以证明,我们可以证明我们可以证明,我们可以证明,我们可以证明,我们可以证明,我们可以证明,我们可以证明我们可以证明我们可以证明我们可以证明,我们可以证明明,我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明我们可以证明明我们可以证明明明明明,我可以证明我们可以证明明明明,我可以证明我们可以证明我们可以证明我们可以证明明明明,我可以证明我可以证明明明明明明,我可以证明我可以证明明我可以证明明明,我可以证明我可以证明明明明,我可以证明我可以证明明明明,我可以证明明我可以证明明明,我可以证明明,我可以证明我可以证明明明,我可以证明我可以可以证明明明,我可以证明我可以证明明明明,我可以可以证明,我可以可以证明我可以证明我可以证明明,我可以可以证明我可以证明,我可以可以证明明明,我可以可以证明明明明明明,我可以可以证明我可以证明,可以可以证明明,可以可以证明,可以可以证明,可以可以证明明明,可以证明,可以证	y 12 .Children 0-2, 3-5 and 6-13
* Armed Forces - Weights *	v .(none 14-17)
*************	y 13 .Children 0-2, 3-5 and 14-17
	y .(none 6-13) y 14 .Children 0-2, 6-13 and 14-17
D M-FNLWGT 8 248 2	v .(none 3-5)
Armed Forces - S Final Weight (2 Implied Decimal Places)	v 15 .Children 3-5, 6-13 and 14-17
U All	v .(none 0-2)
O ALL	y 16 .Children from all age groups
D PADDING 16 256	
	D M-PFREL 1 279
**********	Primary family relationship
* Family recodes	U All V 0 .Not in primary family
<b>老我我我自由我们的</b> 我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就会会会的,我们就会会会的,我们就会会会的,我们就会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会	v 1 .Husband
D N-FAMNUM 2 272	y 2 .Wife
Family number	y 3.0m child
U All	V 4 Other relative
V 00 .Not a family member	y 5 "Unmarried reference person
v 01 Primary family member only	P 4 DE013E 2 280
V 02-19 .Subfamily member	D M-PFSIZE 2 280 Size of primary family
D M-FAMTYP 1 274	U All
D N-FAMTYP 1 274 Family type	v 00 .Not in primary family
U All	v 02-39 Number individuals
V 1 Primary family	V = (A-FAMTYP = 1 or 3)
V 2 Primary individual	
V 3 Related subfamily	D M-PFHHAG 1 282
V 4 Unrelated subfamily	Age of primary family householder บ All
V 5 .Secondary individual	V 0 .Not a family member
0 N CAMPEL 4 275	v 1 .< 25 years old
D M-FAMREL 1 275 Family relationship	v 2 .25-44 years old
U All	v 3 .45-54 years old
V 0 .Not a family member	v 4 .55-64 years old
V 1 .Reference person	v 5 .65+ years old
V 2 .Spouse	

DATA	SIZE BEGIN	DATA	SIZE BEGIN
D M-LFESM	1 283	D M-PFNO	
	r force and earner status	Nurr	ber of employed in primary
	e) of husband of primary	far	nily 16+
	ly or male householder	٧	-1 .Not in universe
UALL		٧	0 No one employed
٧	0 .Not in primary family/no male	٧	1-8 .1-8 employed
٧	1 .Employed earner	٧	9 .9+ employed
V	2 .Self-employed		
٧	3 .Without pay	D M-PFNO	NUN 1 293
V	4 .Unemployed		ber of unemployed in primary
٧	5 .Not in labor force		nily 16+
¥	6 Armed Forces	U All	
		٧	-1 _Not in universe (not in
D M-LFESF		٧	<pre>-primary family)</pre>
	r force and earner status (female)	٧	0 No unemployed
	rife of primary family or female	V	1-8 .1-8 unemployed
	eholder	٧	9.9+ unemployed
UALL			
V	O .Not in primery family/no female	D M-FAMW	
٧	1 Employed earner		nily weight - Iwo implied decimal
V	2 .Self-employed		ces
V	3 .Without pay	UALL	
V	4 .Unemployed		
٧	5 .Not in labor force	D M-FMEW	
٧	6 .Armed Forces		ily earnings weight
	4 205	(2	implied decimal places)
D M-PFWS	1 285		*****
	ary family earners wage and salary		
	us (16+)	# Allo	cation Flags
UALL		***	
V	-1 Not in primary family	e. 116/1 111	4 740
V	O .Not in primary family	D M%LINE	
V	1 No one employed		e number allocation flag
V	2 .Some employed - no wage	V	0 .No change
Ā	and salary workers	V	2 Blank to value
V	<ol><li>With wage and salary workers,</li></ol>	ν	3 .Value to value
Ä	.husband/wife or reference person	n 160ana	4 744
V	.self-employed	D M%RRP	1 311
V	4 .With wage and salary workers,		ationship to reference
V	.husband/wife or reference		son allocation flag
V	.person not self-employed, other	V	0 .No change
V V	household member self-employed	V	2 .Blank to value
V V	5 .With wage and salary workers	V V	3 .Value to value
٧	,only	٧	5 .Value to value - no error
D M-PFFTP	т 1 286	D M%PARE	NT 1 312
	l full-time/part-time status of		ent's line number allocation flag
	ary family earners (16+)		0 No change
U H-MIS=4		V V	2 .Blank to value
V	-1 .Not in universe (MIS 1,2,3,5,6,7) 0 .Not in primary family	v	3 .Value to value 5 .Value to value - no error
V	1 .No earners	•	S THE CO THE PER PER PER PER PER PER PER PER PER PE
٧	2 .All earners full time	D M%AGE	1 313
Ÿ	3 .Some full time, some part time	•	allocation flag
Ÿ	4 .All earners part time	٧	0 .No change
Ÿ	5 .Not in universe	v	2 .Blank to value
•	5 Indi ili dili verse	v	4 .Allocated
D M-PFEAR	N 4 287	•	7 1111 000000
	l weekly family earnings	D M%MARI	TL 1 314
	members 16+)		ital status allocation flag
U H-MIS=4		٧	0 .No change
V 710-4	-1 .Not in primary family or	Ÿ	2 .Blank to value
Ý	not in universe	Ÿ	3 .Value to value
-	999 .Usual weekly family earnings	v	4 .Allocated
		v	5 .Value to value - no error
D M-PFNOE	R 1 291	•	
	er of earners in primary family 16+	D M%SPOU	SE 1 315
UALL	A		use's line number allocation flag
٧	-1 .Not in universe (not in	٧	0 .No change
٧	.primary family)	Ÿ	2 .Blank to value
٧	0 .No earners	Ÿ	3 .Value to value
-	1-8 .1-8 earners	v	5 .Value to value - no error
V	9 .9+ earners		

DATA SIZE BEGIN	DATA SIZE BEGIN
D M%SEX 1 316 Sex allocation flag	D M%RACE 1 320 Race allocation flag
V 0 .No change	V 0 No change
v 2 .Blank to value	y 2 Blank to value
V 3 .Value to value	v 4 Allocated
V 4 .Allocated	D MXORIGIN 1 321
D PADDING 1 317	Origin allocation flag
D ( ADDING ) T.	y 0 .No change
D M%HGA 1 318	y 2 .Blank to value
Highest grade attended allocation flag	y 5 .Value to value - no error
V 0 .No change	V 8 .Blank to N/A code
V 4 .Allocated	D PADDING 39 322
D MXHGC 1 319	
Highest grade completed allocation flag	
V 0 .No change	
V 2 .Blank to value	

## **ATTACHMENT 9**

## Current Population Survey October 1989 Adult Supplement Record Layout

Data	Size	Begin:End	Universe
A-S30	Character*001 Is attending or enrolle -1 = Blank 1 = Yes 2 = No	(0361:0361) ed in regular school?	All persons Age 15+
A-S31	Character*001 Is enrolled in public of the control of the cont	(,	A-S30 = 1
A-\$32	Character*002 What grade or year is1 = Blank 01-08 = Elementa 09-12 = High Sche 13-18 = College	attending?	A-S30 = 1
A-S33	Character*001 Is attending college for the		A-S32 = 13-18
A-\$34	Character*001 Is this a two-year or a for university? -1 = Blank 1 = 2-year col 2 = 4-year col	llege	A-S32 = 13-18
A-S35			A-S30 = 2 or A-S32 = 13-18
A-\$36	Character*001 Was attending or enror college in October, 1 last year? -1 = Blank 1 = Yes 2 = No		All persons Age 15+

Data	Size	Begin:End	Universe
A-\$37	Character*002 What grade or year wa -1 = Blank 01-08 = Elementa 09-12 = High Sch 13-18 = College 99 = No respo	s attending last year? ary nool	A-\$36 = 1
A-S38	Character*001 Check Item -1 = Blank 1 = Entry of 2 = All other	"1-12" in Item 32	All
A-S39	Character*001 Check Item -1 = Blank 1 = Age 15-2 2 = Age 25+	24	Ail
A-\$40	Character*001 Check ItemAge 15-24 -1 = Blank 1 = High Sc 2 = Not High	•	A-\$39 = 1
A-S41	Character*001 In what calendar year school? -1 = Blank 1 = 1989 2 = 1988 or 3 = Never a		A-S40 = 2 Not a H.S.
A-S42	Character*001 In what calendar year -1 = Blank 1 = 1989 2 = 1988 or	(0375:0375) did complete high school? graduate before	A-S40 = 1 H.S.
A-\$43	Character*001 Did complete high a equivalency test, such -1 = Blank 1 = Yes 2 = No 9 = No resp		Age 15-24
A-S44	Character*001 Is there a computer in -1 = Blank 1 = Yes 2 = No 9 = No resp		All

Data	Size	Begin:End	Universe
A-S45	Character*001 In what year was the -1 = Blank 1 = 1989 2 = 1988 3 = 1987 4 = 1986 5 = 1985 6 = 1984 7 = Before 8 = Don't k 9 = No Res	(now	A-S44 = 1
A-\$46A	Character*001 Which of the followin computer have? -1 = Blank 1 = Floppy 9 = No Res	Disk Drive	A-S44 = 1
A-46B	Character*001 Which of the followin computer have? -1 = Blank 1 = Hard D 9 = No Res	Disk Drive	A-S44 = 1
A-46C	Character*001 Which of the followin computer have? -1 = Blank 1 = Teleph 9 = No Res	one Modem	A-S44 = 1
A-46D	Character*001 Which of the followin computer have? -1 = Blank 1 = Laser F 9 = No Res	Printer	A-S44 = 1
A-46E	Character*001 Which of the followin computer have? -1 = Blank 1 = Joystic 9 = No Res	ck or Mouse Control	A-S44 = 1
A-46F	Character*001 Which of the followin computer have? -1 = Blank 1 = Color N 9 = No Res	Monitor	A-S44 = 1

Data	Size	Begin:End	Universe
A-46G	Which of the computer had 1	cter*001 (0385:0385) ue following items does this nave? = Blank = Dot Matrix Printer = No Response	A-S44 = 1
A-46H	Which of the computer if the computer if the computer if the computer if the computer is a second computer in the computer in the computer is a second computer in the computer in the computer is a second computer in the computer in the computer is a second computer in the computer is a second computer in the computer is a second computer in the computer in the computer is a second computer in the computer in the computer is a second computer in the computer	cter*001 (0386:0386) ne following items does this nave? = Blank = Plotter = No Response	A-S44 = 1
A-46l	Which of the computer I	= Blank = Plotter	A-S44 = 1
A-S47	Check Iten	= Blank = Entry or NA in Item 20a or Item 21B	All
A-S48	Does dii -1 1 2	acter*001 (0389:0389) rectly use a computer at work? = Blank = Yes = No = No Response	A-S47 = 1
A-S49/	At work, w -1 1	acter*001 (0390:0390) that does use the computer for? = Blank = Word Processing = No Response	A-S48 = 1
A-S49I		acter*001 (0391:0391) /hat does use the computer for? = Blank = Bookkeeping = No Response	A-S48 = 1
A-\$49		acter*001 (0392:0392)  that does use the computer for?  = Blank	<b>A-S48</b> = 1
	1 9	= Computer-Assisted Design = No Response	(CAD)

Data	Size	Begin:End	Universe
A-S49D At	Character*001 work, what does t -1 = Blank 1 = Calendar 9 = No Resp		A-S48 = 1
A-S49E At	Character*001 work, what does t -1 = Blank 1 = Electroni 9 = No Resp	use the computer for?	A-S48 = 1
A-S49F At	Character*001 work, what does t -1 = Blank 1 = Inventory 9 = No Resp	use the computer for?  / Control	A-S48 = 1
A-S49G At	Character*001 work, what does t -1 = Blank 1 = Program 9 = No Resp	use the computer for?	A-S48 = 1
A-S49H At	-1 = Blank	use the computer for?  Publishing/Newletters	A-S48 = 1
A-S49I At	Character*001 work, what does t -1 = Blank 1 = Commur 9 = No Resp	use the computer for?	A-S48 = 1
A-S49J At	Character*001 work, what does u -1 = Blank 1 = Analysis 9 = No Resp	use the computer for?	A-S48 = 1
A-S49K At	Character*001 work, what does u -1 = Blank 1 = Spreadsh 9 = No Resp		A-S48 = 1
A-S49L At	Character*001 work, what does t -1 = Blank 1 = Sales 9 = No Resp	(0401:0401) use the computer for? onse	A-S48 = 1

Data	Size	Begin:End	Universe
	At work, wi -1 1	cter*001 (0402:0402) nat does use the computer for? = Blank = Games = No Response	A-S48 = 1
A-S49N	At work, w -1 1	acter*001 (0403:0403) hat does use the computer for? = Blank = Invoicing = No Response	A-S48 = 1
A-S49O		= Graphics	A-S48 = 1
A-S49P	At work, w -1 1	acter*001 (0405:0405)  that does use the computer for?  = Blank  = Databases  = No Response	A-S48 = 1
A-S49Q	At work, w -1 1	acter*001 (0406:0406)  that does use the computer for?  = Blank  = Instruction  = No Response	A-S48 = 1
A-\$49R	At work, w -1 1	acter*001 (0407:0407) /hat does use the computer for? = Blank = Other = No Response	A-S44 = 1
A-S49S	At work, v -1 1	acter*001 (0408:0408)  what does use the computer for?  = Blank  = Don't Know  = No Response	A-S44 = 1
A-S50	Check Ite -1	= Blank = Entry of "yes" in Item 30	All
A-S51	Does d -1 1 2	racter*001 (0410:0410) irectly use a computer at school? = Blank = Yes = No = No Response	A-S50 = 1

Data	Size	Begin:End	Universe
A-S52	Character*001 Check Item -1 = Blank 1 = Entry of 2 = All Other	"yes" in Item 44	All
A-S53	Character*001  Does directly use a c  -1 = Blank  1 = Yes  2 = No  9 = No Resp	computer at home?	A-S52 = 1
	Character*001 At home what does I -1 = Blank 1 = Word Pro 9 = No Resp	use the computer for?	A-S53 = 1
A-S54B	At home what does ( -1 = Blank	use the computer for?	A-S53 = 1
A-\$54C	Character*001 At home what does t -1 = Blank 1 = School A 9 = No Resp	use the computer for?	A-S53 = 1
A-S54D	At home what does i -1 = Blank	use the computer for? to computer at work/Work at time	A-S53 = 1
A-S54E	Character*001 At home what does t -1 = Blank 1 = Home-Ba 9 = No Resp	use the computer for? ased Business	A-S53 = 1
A-S54F	Character*001 At home what does u -1 = Blank 1 = Bulletin E 9 = No Respo	use the computer for?	A-S53 = 1
A-S54G	Character*001 At home what does t -1 = Blank 1 = Desktop 9 = No Respo	use the computer for?  Publishing/Newsletters	A-S53 = 1

Data Size	Be	gin:End		Universe
At home	racter*001 (04 what does use th = Blank = Learning to us	ne computer for?		A-S53 = 1
	= No Response	· ·		
At home -1	racter*001 (04 what does use the Blank Spreadsheets	ne computer for?		A-S53 = 1
	= No Response			
At home -1	racter*001 (04 what does use to Blank Programming	he computer for?	·	A-S53 = 1
	= No Response			
At home -1	racter*001 (04 what does use t = Blank = Graphics			A-S53 = 1
9	= No Response	9		
At home -1 1	racter*001 (0- what does use t = Blank = Games	he computer for?		A-S53 = 1
9	= No Response	9		
At home	aracter*001 (0 what does use to Blank Telemarketin No Response	the computer for?		A-S53 = 1
At home -1 1	aracter*001 (0 what does use = Blank = Databases = No Respons			A-S53 = 1
At home	aracter*001 (0 what does use = Blank = Electronic M = No Respons	ail		A-S53 = 1
At home	what does use = Blank	·		A-S53 = 1

Data	Size	Begin:End	Universe
A-\$54Q	At home who	ter*001 (0429:0429) at does use the computer for? = Blank = Don't Know = No Response	A-S53 = 1
A-S55	per week did -1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 9 = 10 =	ter*002 (0430:0431) ast month, on average how many days d use the computer at home? = Blank = 7 Days = 6 Days = 5 Days = 4 Days = 3 Days = 2 Days = 1 Day = Less that once a week = Not used in last month = Don't Know = No Response	A-S53 = 1
	Check Item Who reporte -1 = 1 = 2 = 3 = 4 = 5 =	ter*001 (0432:0432)  d for this person?  = Blank  = Self  = Parent  = Spouse  = Other Relative  = Nonrelative  = No Response	All
		er*009 (0433:0441) Supplement Weight ed Decimal Places)	Age 16+*
	Padding	(0442:0464)	
* NOTE:	For produc	ing weighted tallies of individuals less	

\* NOTE: For producing weighted tallies of individuals less than 16 years old, use A-FNLWGT (found in location 0248:0255).

# Current Population Survey October 1989 Children's Supplement Record Layout

Data	Size	Begin:End	Universe
	Padding	(0361:0441)	
C-S58	Character*001 Is attending or enrolle 1 = Yes 2 = No	(0442:0442) ed in school?	Age 3-14
C-\$59	Character*001  Is enrolled in public of the public of		C-S58 = 1
C-S60	Character*002 What grade or year is 01 = Nursery F 02 = Nursery P 03 = Kindergar 04 = Kindergar 05-12 = Elementar 13-16 = High School	attending? ull day art day ten Full Day ten Part Day ry School	C-S58 = 1
C-S61	Character*001  Does directly use a control of the control of t		C-S58 = 1
C-S62	Character*001  Does directly use a constant of the second of the sec		All
C-S63A	Character*001 At home, what does u -1 = Blank 1 = Word proc 9 = No Respo	cessing	C-S62 = 1
C-S63B	Character*001 At home, what does u -1 = Blank 1 = Spreadshe 9 = No Respo	eets	C-S62 = 1

Data	Size	Begin:End	Universe
C-S63C A	t home, v -1 1	cter*001 (0450:0450) what does use the computer for? = Blank = School assignments = No Response	C-S62 = 1
C-S63D A	nt home, v -1 1	acter*001 (0451:0451) what does use the computer for? = Blank = Graphics = No Response	C-S62 = 1
C-\$63E	At home, \ -1 1	acter*001 (0452:0452) what does use the computer for? = Blank = Bulletin boards = No Response	C-S62 = 1
C-S63F	Chan At home, 1 -1 1	acter*001 (0453:0453) what does use the computer for? = Blank = Programming	C-\$62 = 1
C-S63G	Char At home, -1 1	<ul> <li>= No Response</li> <li>acter*001 (0454:0454)</li> <li>what does use the computer for?</li> <li>= Blank</li> <li>= Learning to use the computer</li> <li>= No Response</li> </ul>	C-S62 = 1
C-S63H	Chai At home, -1	racter*001 (0455:0455) what does use the computer for?	C-S62 = 1
C-S63I	Cha	racter*001 (0456:0456) what does use the computer for? = Blank = Electronic mail	C-S62 = 1
C-\$63J	At home, -1 1	racter*001 (0457:0457) what does use the computer for? = Blank = Other = No Response	C-S62 = 1
C-S63K		= Don't Know	C-S62 = 1

Data	Size	Begin:End	Universe
C-S64	During the per week of -1	acter*002 (0459:0460) last month, on average how many days did use the computer at home?  = Blank  = 7 Days  = 6 Days  = 5 Days  = 4 Days  = 3 Days  = 2 Days  = 1 Day  = Less that once a week  = Not used in last month  = Don't Know  = No Response	C-S62 = 1
C-S65	Was atte in October 1 2 9	acter*001 (0461:0461) ending or enrolled in a regular school , 1988, that is, October of last year? = Yes = No = No Response	All
	PADDING	(0462:0464)	

### Current Population Survey Questionnaire Facsimile

CHECKITEM	FORM CPS-1	V. T.	S. DEPARTMENT OF COMMERCE Bureau of the Census	CONTROL NUMBER		
Only CPS-1 for household		图	bulled of the census			
First CPS-1 of continuation n'hold	AMOORANG 6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2000000			
Second CPS-1 of continuation nihold	CURRENT F	Population	Survey			•
Third, fourth, and 5th CPS-1	Form Approved - O.M.B. No. 1220-0100	1 – Expires 11-30-91	Fosdic 26.1:1	PSU	SEGMENT	SERIAL
LINE NO. OF H'HOLD RESP.						
NON H'HOLD RESPONDENT						
INTERVIEW ANY ENTRY OTHER THAN YES WEVER WORKED IN ITEMS 23A-E in this CPS-1 Yes NONINTERVIEW TYPE A						
TYPE B						
(SEND INTER COMM FOR TYPE A AND C)	<b>a</b>					
TON THE RAIL C	<i></i> Թ	RREN	T			
TELEPHONE HOLD  (Mark this box for office "telephone hold" cases only)						
		<b>D</b>				

Population

Survey

OCTOBER 1989

THE TRANSPORTED HEAD TOWNER OF MEET POUNDED

				FIRST CHILD	1		<del> </del>	(Fill only in interv	IRST ARMED F	DRCES MEME	9ER " <i>AF" In C</i>	C /tem 22.)
IBA. LINE	188. RELATIONSHIP TO REF, PERS.	18C. PAR'S	18D.	1BG1. SEX	18K. DRIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C.	18A.	188. RELATION		18C.	18D.	18E. MARITAL
NO.			AGE .	Male	1	MARK ALL THAT APPLY)	LINE	REFERENC		PAR'S	AGE	STATUS
٠. ا	Nat /Ad.Child 05	2.7		Female	3 3	,	NO.	Ref Person WITH		LINE	701	5.7.20
7 :	Step Child05 7 Grandchild07 0	11	1 2	18J. RACE		Word processing Spread sheets	1 2	Ref, person with	_			Married-
2 8	Brother/Sister 09	33	1 3	White.,.	2 3	School assignments	: -		l02		. :	spouse
7 0	Other rel 10 [	-		Black		Graphics	1 2 .	Husband	60	7   7		present
	Foster Child 11 C	5		Amer, Ind.		Bulletin boards	11	Wife	04		·	Married-
	Non-rel.	- 1	3	Aleut,		Programming.		Natural/Adopted Step Child :		-		spouse absent
į.	÷WITH OWN		· -	Eskima 3	:	Learning to		Grandchild	07	-		(Exclude
*	RELS 12 □ Non-rel. ~NO	None :		Asian or Pac, Isl	-	use the computer		Parent	07	1		separated)
	OWN rels. , , 14			Other		Games	il i	Brother/Sister	09			Widowed
				Other	<u> </u>	Electronic mail		Other Rei of rei		:		Divorced
7. CH	ECK ITEM		EAD IN: T	his next set of questi	ione has to	Other	!!	Foster Chira .	11	<u> </u>		Separated.
0	10.2 🛴 (Go to next ch			direct or hands on o		Don't know		Non-ret, of Ref. R	Person in H'hid 12	None	_	Never
3	to 14 🗇 (Ask 58)			These computers may		84. During the last month, on average	]	Partner/Roomma		-		married
:D 14			r home con Nainframe c	nputers, mini compu	ters, Or	how many days per week did , use		Non-rel, of Ref.			1	
98. JS	attending or enrolled in			omputers. ons do not refer to h	and bald	the computer at home?	1	than partner/ro				
	Yes (Ash 59)			ora do not rever to n or games, electronic v			il	with NO OWN	re! in H'hld 14	G		ļ
	Na ⊃ (Go to 62)			systems which do no		7 days Less than	18F.	18G1. SEX	184.	18I, GRADE	18J. F	IACE IBK.
59, is	, enrolled in public or pr			ike keyboard.		6 days once a week [	SPOUSE	75	HIGHEST	COMPLETE		ORIG
SET N		<u> </u>	<del></del>	•		5 days Not used	LINEN	3. Male	GRADE ATTENDED	Yes	Wh	ite
P	ublic 🗧 📕	1 *		, directly use a comp us	uter	4 days . In last month	11 1	Female	,		Bia	ck
	rivate . (Include paroc	hiai)	#1 school			3 days .	11 :	-	1	No	"	
			Yes			2 days 0 Don't know. 0	1 3 3	_			Ап	
	t grade or year is atte	- 1	Na	_		1 day C	-		1			lian, But,
	ursery, or kindergarten, as			45	_	<u> </u>						timo
r <i>un-</i> Nursery	day or part-day)	,	i2. Does at home	, directly use a comp	uter 🕴	85. Was attending or enrolled in a regular	H					an or
	4 0 0 4 5					school in October, 1988, that is,	11	1				. Isl.
Full day	-		Yes No	(Ask 63)		October of last year?		i			Ott	her
art day	. : :::::::::::::::::::::::::::::::::::		NO	[Go to 65]		Yes 1	-					Į.
Kinderg	arren High Scho	100				No T	None					1
	, - 9 10 11	12					11 :			1		
Full day												
	-					1	~					,
	-					END QUESTIONS			<u> </u>			
Full day Part day						END QUESTIONS		<u> </u>	<u> </u>		<u> </u>	<u> </u>
Part day	(Read lead-In)	الاث		SECOND CHILD					SECOND A PLAT	E CORCER LES	l Suber	
Part day		الاث	-	18G1. SEX	18K, ORIGIN	B3. At home, what does use the computer far? (SHOW FLASHCARD C.	 	(If more than 2 AF	SECOND ARMED			PS-1 document.)
Part day	(Read lead-In) —	1BC. PAR	AGE	18G1. SEX	18K. ORIGIN	83. At home, what does use the	18A.		persons in househ			<del></del>
Part day	18B. RELATIONSHIP TO HEF, PERS. Nat./Ad.Cnid 05	1BC. PAR LINE NO.	AGE	18G1. SEX	18K, ORIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)	18A.	If more than 2 AF	persons in house! NSHIP TO	18C. PAR'S	nuation Ci	1BE. MARITA
BA. LINE NO.	(Read lead-In) —	1BC. PAR	AGE C C I I	18G1. SEX	18K. ORIGIN	63. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO.	18B. RELATION REFEREN	persons in house! NSHIP TO	18C. PAR'S LINE	18D.	1BE. MARITA
BA. LINE NO.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Chid 05 ©  Step Child06 ©	1BC. PAR LINE NO.	AGE CC III	19G1. SEX Male ∶ Female ≳	18K, ORIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WITI Ref. person with	persons in househ NSHIP TO ICE PERS. Hirel in Hihld 01	18C. PAR'S LINE NO.	18D.	1BE, MARITA
IBA. LINE NO.	18B. RELATIONSHIP TO REF. PERS. Nat./Ad.Child	1BC. PAR LINE NO.	AGE 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18G1. SEX Male 5 Fernale 8	18K. ORIGIN C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO.	18B. RELATION REFEREN Ref.Person With Ret.person with NO rel. in Hith	persons in houseld NSHIP TO ICE PERS. Hirel in Hihld 01 Id	18C. PAR'S LINE NO.	18D.	18E. MARITA STATUS Married— spouse
IBA. LINE NO.	18B. RELATIONSHIP TO REF. PERS. Nat./Ad.Chid 05 © Step Child	1BC. PAR LINE NO.	AGE C C C E C E C E C E C E C E C E C E C	18G1. SEX Male	18K, ORIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WiTI Ref. person with NO rel. in H'hi Husband	Persons In househ NSHIP TO ICE PERS. H rel in H'hld 01 Id	18C. PAR'S LINE NO.	18D. AGE	1BE. MARITA STATUS Married— spouse present
IBALLINE NO.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS. Nat./Ad.Child 05 © Steo Child06 © Grandchild07 © Grother/Sister 09 © Other re)10 © Foster Child11 © Non-rel.	1BC. PAR LINE NO.	AGE 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IBG1. SEX Male	18K. ORIGIN O C C E E E E E E E E E E E E E E E E E	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WiTI Ref. person with NO rel. in H'hi Husband	PERSONS In houseld NSHIP TO ICE PERS. Hirel in Hihld 01 Id	18C. PAR'S LINE NO.	18D. AGE	1BE, MARITA STATUS Married— spouse present Married—
IBA. LINE NO.	(Read lead-in) —  18B. RELATIONSHIP TO HEF. PERS. Nat./Ad.Chid 05 Grendchild	1BC. PAR LINE NO.	AGE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18G1, SEX Male I Femele S  18J. RACE White I Black E Amer. Ind. Aleut, Eskimo 3	18K, ORIGIN	63. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C  Soread sheets C  School essignments C  Graphics C  Programming C	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WiTI Ref. person with NO rel. in H'hi Husband Wite Natural/Adopte	persons in houselins in persons in houselins in CE PERS.  Herel in H'hid 01  d	18C. PAR'S LINE NO.	18D. AGE	1BE. MARITA STATUS Married— spouse present
BA. LINE NO.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS. Nat./Ad.Chrid 05 © Step Child06 © Grandchild07 © Grandchild07 © Grother/Sister 09 © Other rel10 © Foster Child11 © Non-rel. —WITH OWN RELS12 I	1BC. PAR LINE NO.	AGE 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18G1. SEX Male 5 Fernale 8 18J. RACE White 5 Black 5 Amer. Ind. Aleut. Eskima 3 Asian or	18K, ORIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C. School assignments C. Graphics C. Bulletin boards C. Programming C. Learning to C. Use the computer	18A. LINE NO.	18B. RELATION REFEREN Ref. Person With Ref. person with NO rel. in Hinl Husband Wite Natural/Adopter Steo Child	persons in houseld NSHIP TO ICE PERS. Hirel in Hihld 01 Idd	18C. PAR'S LINE NO.	18D. AGE	1BE. MARITA STATUS Married— spouse present Married— spouse absent (Exclude
IBA. LINE NO.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS. Nat./Ad.Child 05 © Stee Child06 © Grandchild07 © Grother/Sister 09 © Other rei10 © Foster Child. 1 © Non-rei. —WITH OWN RELS12 ©	1BC. PAR LINE NO.	AGE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18G1. SEX Male I Female E  18J. RACE White I Black E Amer. Ind. Aleut. Eskima 3 Asian or	18K, ORIGIN	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C. Spread sheets C. School assignments C. Graphics C. Bulletin boards C. Programming C. Learning to Use the computer C. Games C. Games C.	18A. LINE NO.	18B. RELATION REFEREN REF. Person WITI Ref. person with NO rel. in Hinl Husband Wile Natural/Adopte Steo Child Grandchild	persons in housel.  NSHIP TO ICE PERS.  Hirel in H'hld 01 Id	18C. PAR'S LINE NO.	18D. AGE	1BE, MARITA STATUS Married— spouse present Married— spouse absent
18A. LINE. NO. Character State of the Control of th	18B. RELATIONSHIP TO HEF. PERS. Nat./AdChidd 05 Grendchild 06 Grendchild 07 Grother/Sister 09 Grother Child 11 Grother Child 11 Grother Child 12 Grother Grother Grother 12 Grother Grother 12 Grother Grother 12 Grother 14 Grother	1BC. PAR LINE NO.	AGE CORRESPONDENCE	18G1. SEX Male I Female E  18J. RACE White I Black I Amer. Ind. Aleut. Eskima 3 Asian or Pac. Isl Other 5	18K. ORIGIN OLI WITE	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School essignments C. Graphics Shoulet boards	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WiTI Ref. person with NO rel. in H'ni Husband Wite Natural/Adopte Steo Child Grandchild Perent	persons in houseld NSHIP TO ICE PERS. Hirel in Hihld 01 Idd	18C. PAR'S LINE NO.	18D. AGE	1BE. MARITA STATUS Married— spouse present Married— soouse absent (Exclude separated)
BA. BA. CHARLES CO. C.	(Read lead-in) —  18B. RÉLATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child06 © Grendchild07 © Grother/Sister 09 © Other rei10 © Foster Child. 11 © Foster Child. 11 © Non-rei. — WITH OWN RELS 12 I Non-rei. — NO OWN reis 14 I	IBC. PAR LINE NO.	AGE COURT SE	18G1. SEX Male I Fernale E  18J. RACE White I Black E Amer. Ind. Aleut, Eskimo 3 Asian or Pac. Isl Other E	18K, ORIGIN © 3 2 3 2 3 5 5	63. At home, what does use the computer far? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C  School essignments C  Graphics C  Programming C  Learning to Use the computer. Cames C  Electronic mail C  Other	18A, LINE, NO. O C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN REFEREN Ref. Person With Ref. person with NO rel. in H <sup>*</sup> Int Husbend Wite Natural/Adopte Sieo Child Grandchild Parent Brother/Sister	Persons In houseld NSHIP TO CE PERS. H rel in H hid 01 id	18C. PAR'S LINE NO.	18D. AGE	1BE, MARITA STATUS Married— spouse present Married— soouse absent (Exclude separated)
BA. BA. CH	(Read lead-in) —  18B. RELATIONSHIP  TO REF, PERS.  Nat./Ad.Chidd 05 © Step Child06 © Grandchild07 © Grother/Sister 09 © Other rel10 © Fotter Child11 © Non-rel. —WITH OWN RELS	1BC. PAR LINE NO.	AGE	18G1. SEX Male	18K, ORIGIN C C C C C C C C C C C C C C C C C C C	63. At home, what does use the computer far? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C  School essignments C  Graphics C  Bulletin boards C  Programming C  Learning to use the computer C  Games C  Electronic mail C  Other C	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATION REFEREN REFEREN Ref. Person WiTh Ref. person with NO ref. an H*nt Husband Wite Natural/Adobte Step Child Perent Brother/Sister Other Rei of re Foster Child of	Persons In house!  NSHIP TO  CE PERS.  H rel in H'hid 01  d	18C. PAR'S LINE NO.	18D. AGE	Married— spouse present Married— spouse present Married— spouse present (Exclude separated) Widowed Divorced Separated.
BA. BA. INE	(Read lead-in) —  18B. RÉLATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child06 © Grendchild07 © Grother/Sister 09 © Other rei10 © Foster Child. 11 © Foster Child. 11 © Non-rei. — WITH OWN RELS 12 I Non-rei. — NO OWN reis 14 I	1BC. PAR LINE NO.	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K, ORIGIN C C C C C C C C C C C C C C C C C C C	63. At home, what does use the computer far? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C  School essignments C  Graphics C  Bulletin boards C  Programming C  Learning to use the computer C  Games C  Electronic mail C  Other C	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATIOI REFEREN REF PERSON WITH RET, DerSon with NO ret, in Hint Husband Wite Natural/Adopte Steo Child Grandchild Parent Other Ret of re Foster Child Non-ret, of Ret,	Person   In house	18C. PARS LINE NO.	18D. AGE	Married— STATUS  Married— SDOUSE present  Married— SOOUSE absent (Exclude separated)  Widowed Divorced Separated Never
BA. INE IO. C. C. T. P. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child06 © Grandchild07 © Grother/Sister 09 © Other rei10 © Foster Child11 © Non-rei. — WITH OWN RELS12 I Non-rei. — NO OWN reis14 I  ECK ITEM  10 0.2 © (Go to next ct to 14 © (Ask 58)	1BC. PAR LINE NO.	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K, ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATION REFEREN REFEREN REFEREN Ref. Person WiTI Ref. person with NO ref. an H*Nt Husbend Wite Natural/Adopte Step Child Grandchild Parent Brother/Sister Other Res of re Foster Child Nonvel. of Ref. WITH OWN re Partner/Roomir	Persons In housel NSHIP TO CE PERS. H rel in H'hid 01 id	18C. PAR'S LINE NO.	18D. AGE	Married— spouse present Married—spouse present Married—spouse sbsent (Exclude separated) Widowed Divorced Separated.
BA. INE IO. C. C. T. P. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Chrid 05 © Step Child06 © Grandchild07 © Grother/Sister 09 © Other re)10 © Fotter Child11 © Non-rel. —WITH OWN RELS	1BC. PAR LINE NO.	AGE	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	63. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C. Soread sheets C. School assignments C. Graphics C. Programming C. Deprogramming C. Learning to C.	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATIO REFEREN Ref Person WiTI Ret person with NO ref. in HTM Husbend Wite Natural/Adopte Stee Child Grandchild Perent Other Ret of re Foster Child Non-ref, of Ref. WITH OWN re Partner/Roomn Non-ref, of Ref.	Persons In house	18C. PAR'S LINE NO.	18D. AGE	Married— STATUS  Married— SDOUSE present  Married— SOOUSE absent (Exclude separated)  Widowed Divorced Separated Never
BA. INE IO. C. C. C	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Step Child06 © Grandchild07 © Grother/Sister 09 © Other rel10 © Foster Child11 © Non-rel	1BC. PAR LINE NO.	AGE	18G1. SEX Male	18K. ORIGIN C C C 2 E C 3 P 5 S 5 P 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T	63. At home, what does use the computer far? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATION REFEREN REFEREN Ref. Person WiTI Ref. person with NO ref. an H'hit Husband Wile Step Child Grandchild Perent Brother/Sister Other Ref. of ref. WiTH DWN re Partner/Roomin Non-ref. of Ref. than oartner/re, of and	Person In housel Person In housel PERS. He ret in Hinto 01 id	18C. PARS UNIVERSE NO.  None	18D. AGE	Married— STATUS  Married— SDOUSE present  Married— SOOUSE absent (Exclude separated)  Widowed Divorced Separated Never
BA. INC. OF THE CO. OF	(Read lead-in) —  18B. RELATIONSHIP  TO REF, PERS.  Nat./Ad.Child 05 © Step Child06 © Grandchild07 © Grother/Sister 09 © Other rel10 © Fotter Child11 © Non-rel	1BC. PAR LINE NO. 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	AGE  O O O O O O O O O O O O O O O O O O O	18G1. SEX  Male	18K. ORIGIN C C C E E E E E E E E E E E E E E E E E	63. At home, what does use the computer far? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. C : : : : 2 : : 3 : :	18B. RELATION REFEREN REFEREN Ref. Person WiTI Ref. person with NO ref. an H'hit Husband Wile Step Child Grandchild Perent Brother/Sister Other Ref. of ref. WiTH DWN re Partner/Roomin Non-ref. of Ref. than oartner/re, of and	Persons In house	18C. PARS UNIVERSE NO.  None	18D. AGE	Married— STATUS  Married— SDOUSE present  Married— SOOUSE absent (Exclude separated)  Widowed Divorced Separated Never
BA. IN. CH. 33. C. Ch. 35. C. Ch.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Chidd 05 © Step Child06 © Grandchild07 © Grandchild10 © Fother Child11 © Non-rel	1BC. PAR LINE NO.	AGE	18G1. SEX Male	18K. ORIGIN C C C E E E E E E E E E E E E E E E E E	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. O C C 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	18B. RELATION REFEREN REFEREN REFEREN Ref. Person WiTI Ref. person with NO ref. an H*nt Husbend Wite Natural/Adopte Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH OWN re Partner/Roomm Non-ref. of Ref. Unit Own Variet (1900) Variet (1	Person In house!  NSHIP TO CE PERS.  H rel in H'hid 01  d	18C. PAR'S LINE NO.	18D. AGE	18E. MARITA STATUS  Married— spouse present Married— soouse absent (Exclude separated) Widowed Divorced . Separated. Never married .
BA. BA. INE IO. C.	Tab. RELATIONSHIP	1BC. PAR LINE NO.	AGE	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	B3. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School essignments Graphics School essignments	18A. LINE NO. C : : : : : : : : : : : : : : : : : : :	18B. RELATION REFEREN Ref Person WiTI Ref, person WiTI Re	Persons In house!   NSHIP TO	PAR'S LINE NO.	18D. AGE	Married— Spouse present Married— Spouse absent (Exclude separated) Widowed Divorced Separated Never married .
BA. BA. IN. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Steo Child06 © Grandchild07 © Grother/Sister 09 © Other rei10 © Foster Child11 © Non-rei. — WITH OWN RELS12 I Non-rei. — NO OWN rels14 ©  ECK ITEM  10 to 2 © (Ga to next ci to 14 © (Ask 58) No © (Ga to 59) No © (Ga to 62) enrolled in public or pool?	18C. PAR LINE NO.	AGE	18G1. SEX  Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	63. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School essignments Caraphics Carap	18A. LINE NO. C	18B. RELATION REFEREN REFEREN Ref. Person WITI Ret. perso	Person In house!  NSHIP TO CE PERS.  H rel in H'hid 01  d	18C. PAR'S LINE NO.	18D. AGE	18E. MARIT/ STATUS  Married— spouse present Married— soouse absent (Exclude separated) Widowed Divorced . Separated. Never married .
BA. BA. INC. CO. C.	Tab. RELATIONSHIP	18C. PAR LINE NO.	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C. School assignments C. Graphics C. Programming C. Dearning to C. Dearning to C.	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN REFEREN Ref. Person WiTI Ref. person with NO ref. an H*nt Husband Wite Natural/Adobte Steo Child Parent Brother/Sister Other Rei of re Foster Child Non-ref. of Ref. WiTH DOWN re Partner/Roomin Non-ref. of Ref. than oastner/r with NO OWN 18G1. SEX ING. Male	Persons In house   NSHIP TO	18C. PARS IN NO.	18D. AGE	18E. MARIT. STATUS  Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced Separated Never married  RACE 18I OR
BA. INE IO. CT TO THE CO. CT TO THE	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child06 © Grandchild07 © Grother/Sister 09 © Other rel10 © Foster Child. 11 © Non-rel. — WITH OWN RELS 12 © Non-rel. — NO OWN rels 14 © ECK ITEM 0 to 2 © (Go to next cito 14 © (Ask 58)	IBC. PAR LINE NO.  2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School assignments	18A. LINE NO. O C . 2 9 3 3 3 10F. SPOUS LINE P	18B. RELATIOI REFEREN Ref Person WiTI Ret person with NO ref. in HTM Husband Wite Natural/Adopte Step Child Grandchild Perent Brother/Sister Other Rei of re Foster Child Non-ref, of Ref, WITH OWN re Partner/Roomin Non-ref, of Ref, with NO OWN 18G1. SEX  Male Female	Persons In house   NSHIP TO	18C. PAR'S LINE NO.	18D. AGE	Married— spouse present Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced . Separated . Never married .
BA. INE IO. CO. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child	IBC. PAR LINE NO.  2 a a a a a a a a a a a a a a a a a a	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing C. School assignments C. Graphics C. Programming C. Dearning to C. Dearning to C.	18A. LINE NO.	18B. RELATION REFEREN Ref. Person WiTI Brother/Sister Other Ref. of ref. Foster Child Non-ref. of Ref. WITI OWN re Partner/Roomn Non-ref. of Ref. than partner/r with NO OWN  18G1. SEX E'S Male Female	Persons In house!   NSHIP TO	18C. PARS IN NO.	18D. AGE	Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced Separated. Never married .
8A. INE IO. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Step Child06 © Gronther/Sister 09 © Other rel10 © Fotter Child11 © Non-rel. —NUTH OWN RELS	IBC. PAR LINE NO.  I a a a a a a a a a a a a a a a a a a	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School assignments	18A. LINE NO. O C . 2 9 3 3 3 10F. SPOUS LINE P	18B. RELATION REFEREN Ref. Person WiTI Brother/Sister Other Ref. of ref. Foster Child Non-ref. of Ref. WITI OWN re Partner/Roomn Non-ref. of Ref. than partner/r with NO OWN  18G1. SEX E'S Male Female	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	Married— Spouse present Married— Spouse absent (Exclude separated) Widowed Divorced Separated Never married .
8A. INE IO. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Step Child06 © Grandchild07 © Grother/Sister 09 © Other rel10 © Foster Child11 © Non-rel	IBC. PAR LINE NO.  2 2 3 3 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX  Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	B3. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School essignments School essignments Shelletin boerds Sprogramming Shelletin boerds Shelletin boerds Sprogramming Shelletin boerds	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	## 18B. RELATION REFEREN Ref Person WiTI Ret person with NO ret in Hint Husband Wite Natural/Adopte Steo Child Grandchild Parent Other Ret of re Foster Child Non-ret, of Ref, WiTH DWN in Partner/Rounn Non-ret, of Ref, than partner/re with NO OWN ## 18G1. SEX Male Ferrale  Ferrale    Sex   Sex   Sex   Sex	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	Married—spouse present Married—spouse present Married—spouse absent (Exclude separated) Widowed Divorced . Separated . Never married .
8A. INE NO. C.	(Read lead-in) —  (Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Stee Child06 © Grandchild07 © Grandchild07 © Grandchild10 © Foster Child11 © Foster Child11 © Foster Child12 © Foster Child12 © Foster Child12 © Foster Child14 © Foster Child14 © Foster Child14 © Foster Child14 © Foster Child	IBC. PAR LINE NO.  2 a 3 c 3 c 4 c None c hild) rivate chial) sending?	AGE  C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref Person WiTI Ref, person with NO ref, in HTM Husband Wite Natural/Adopte Stee Child Grandchild Parent Brother/Sister Other Ret of re Foster Child Non-ref, of Ref, WITH OWN re Partner/Roomm Non-ref, of Ref, with NO OWN E'S ID 18G. SEX E'S ID 18G. SEX E'S ID 18G. SEX	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	Hack Islamor Married—Spouse present Married—Spouse absent (Exclude separated) Widowed Divorced . Separated . Never married .
8A	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Step Child	IBC. PAR LINE NO.	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	B3. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School essignments School essignments Shelletin boerds Sprogramming Shelletin boerds Shelletin boerds Sprogramming Shelletin boerds	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref Person WiTI Ref, person with NO ref, in HTM Husband Wite Natural/Adopte Stee Child Grandchild Parent Brother/Sister Other Ret of re Foster Child Non-ref, of Ref, WITH OWN re Partner/Roomm Non-ref, of Ref, with NO OWN E'S ID 18G. SEX E'S ID 18G. SEX E'S ID 18G. SEX	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	Married— Spouse present Married— Spouse absent (Exclude separated) Widowed Divorced Separated. Never married .
BA.LINE NO. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Steo Child06 © Grandchild07 © Grandchild07 © Grandchild11 © Foster Child11 © Foster Child11 © Non-rel. — WITH OWN RELS 12 I Non-rel. — NO OWN rels 14 ©  ECK ITEM  10 to 2 © (Ga to next of to 14 © (Ask 58) No © (Ga to 62) attending or enrolled in yellow corp pool?  Public © Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp pool?  Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp pool?  Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.	IBC. PAR LINE NO.  S S S S S S S S S S S S S S S S S S S	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref. Person WITT Ref. person WiTT Ref. person with NO ref. in HTM Husband Wile Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH DWN re Partner/Roome WITH DWN re Partner/Roome With No OWN  18G1. SEX E'S Male Female  2	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	BE. MARITA STATUS  Married— spouse present Married— soouse absent (Exclude separated) Widowed Divorced . Separated. Never married .  RACE 188 OR hitte lack dian, leut, skimo ssian or
BA. INE NO. C C C C C C C C C C C C C C C C C C C	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Steo Child06 © Grandchild07 © Grandchild07 © Grandchild11 © Foster Child11 © Foster Child11 © Non-rel. — WITH OWN RELS 12 I Non-rel. — NO OWN rels 14 ©  ECK ITEM  10 to 2 © (Ga to next of to 14 © (Ask 58) No © (Ga to 62) attending or enrolled in yellow corp pool?  Public © Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp pool?  Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp pool?  Public © Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or prinding or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.  Include paro at grade or year is attending or enrolled in yellow corp.	IBC. PAR LINE NO.  S S S S S S S S S S S S S S S S S S S	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref. Person WITT Ref. person WiTT Ref. person with NO ref. in HTM Husband Wile Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH DWN re Partner/Roome WITH DWN re Partner/Roome With No OWN  18G1. SEX E'S Male Female  2	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	Hack Iskimo sian or sc. Isk.
IBA.LINE NO. C. 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Child 05 © Steo Child06 © Grandchild07 © Grandchild07 © Grandchild11 © Foster Child11 © Foster Child14 © Non-rel. — NO OWN rels 12 I Non-rel. — NO OWN rels 14 ©  ECK ITEM  10 to 2 © (Ga to next of to 14 © (Ask 58) No © (Ga to 52) No — (Ga to 52)	None Child)  rivate  child)  rivate  child)  rivate  child)	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School assignments	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref. Person WITT Ref. person WiTT Ref. person with NO ref. in HTM Husband Wile Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH DWN re Partner/Roome WITH DWN re Partner/Roome With No OWN  18G1. SEX E'S Male Female  2	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	IBE. MARITA STATUS  Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced Separated Never married.  RACE IBM OR
BA.LINE NO. C.	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Cnild 05 © Step Child	None Child)  rivate  child)  rivate  child)  rivate  child)	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School assignments	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref. Person WITT Ref. person WiTT Ref. person with NO ref. in HTM Husband Wile Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH DWN re Partner/Roome WITH DWN re Partner/Roome With No OWN  18G1. SEX E'S Male Female  2	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	IBE. MARITA STATUS  Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced Separated Never married  RACE IBK OR
BA. INE 100 C C C C C C C C C C C C C C C C C C	(Read lead-in) —  18B. RELATIONSHIP  TO REF. PERS.  Nat./Ad.Cnild 05 © Step Child	None Chiefly and ing?	AGE C C C C C C C C C C C C C C C C C C C	18G1. SEX Male	18K. ORIGIN C C C C C C C C C C C C C C C C C C C	83. At home, what does use the computer for? (SHOW FLASHCARD C. MARK ALL THAT APPLY)  Word processing Spread sheets School assignments	18A. LINE NO. O C C C C C C C C C C C C C C C C C C C	18B. RELATION REFEREN Ref. Person WITT Ref. person WiTT Ref. person with NO ref. in HTM Husband Wile Step Child Grandchild Parent Brother/Sister Other Ref. of ref. WITH DWN re Partner/Room Non-ref. of Ref. With NO OWN  18G1. SEX E'S Male Female	Persons In house!   NSHIP TO	18C. PARS IN NO. 18 IN NO. 18 IN ORDER IN NO. 18 IN GRAD COMPLET Yes	18D. AGE	IBE. MARITA STATUS  Married— spouse present Married— spouse absent (Exclude separated) Widowed Divorced Separated Never married  RACE IBK OR

OCTOBER 1989	.S. Department of Commerce BUREAU OF THE DENSUS	1. CHECK ITEM		2.	3. CONTR	ROL NUMBER		
		Only CPS-1 for household.	- ( (Fill all applicable			•		- 1 F
Curring Population		First CPS-1 of continuation hit	la ;   items on this			1		in a series per
annin Loinfalli	da Survey	Second CPS-1 of continuation	Laborate and			i		
FORM CPS-1		Third, fourth, etc. CPS-1	111101307704714773					7.77
MONTH YEAR	4. TYPE OF LIVING QUART		- C/ J//	<del></del>				
	ka i			5a. LAND	8. PSU NO	7. SEGMENT	& SERIA	AL B.HOUSE
	HOUSING UN	IIT —	OTHER UNIT	USAGE		NO.	NO.	HOLD
10. FIELD REPRESENTATIVE CODE ABCDEFGHJKLM	House, apartment, flat	2   Quarte	1002					NO.
isticianists =	HU in nontransient hotel	1 1004	rooming or boarding house _	Urban :				
133453739	1	I	ot permanent	Roral (Fill		333		
1143459785	HU, permanent, in transic		insient hotel, motel, etc	56) 7		2 1 1 1		
11. DAY COMPLETED	HU in rooming house .	2		1 1	: : :	1 8 8 8	÷ 1	
S M T W TH F S After		Tent µ	e or trailer site	5b. FARM		3 3 3 5	3	1
interv		m added Studen	t quarters	SALES	_			
12. LINE NO. OF H'HOLD RESP.	Mobile home or trailer wi	th one in co	liege dormitory	\$1000 or	-	1		
18393	or more permanent roo	ims added Other r	ot HU (Describe below)	more (Yes).	3 = 5	5 5 5 5		
	HU not specified above (i	Describe below)		Less than	5 3 3	6655	1 2	
Non, h'hid. resp.(Specify) : (Send Interviewed	umm	<i>y</i>		\$1000		2 2 2 3	2.7	Į.
Households O	niy)			(No).	1			
	<del> </del>			_] [			ĺ	(Go to 10)
13. TYPE INTERVIEW			NONINTERVIEW	<del></del>			——	
Nominterview	TYPE A	TYPE B		C (Seno Inter Come			<del> </del>	
Personal	14. (Mark reason and roce.)	15,		C Inches Anno Cons			AL STATE	
Tel. ∼ regular □		Vacant – regular	C Demolished		, 1"	6. This unit is into		
Tel. + caliback (*) ICR filled ( .	REASON RACE	Vacant – storage of hihld furni	(rem		1 1	Year round	🧰	(Filt HVS II HU In Item 4)
TON IMPED 1.	No one home		House or tr	eiler moved	1 1			
		Temp. occ. by persons with UR	′ 🕳 '		J 🖦   '	By migratory wor	kers -	(Fill Item 17 below if HU
13A. CHECK ITEM	Temporarily : absent, . : White, :		Outside seg		/ <b>-</b>	Seasonally	=	in Item 4)
Telephone Hold		Unfit or to be demolished		O permaneni or storage	! ⊢			
•	Refused 5 Black, 3	Under construction, not ready .	= 1		(Omit	7. This unit is int	ended for a	population :
(Fill circle for office "telephone hold" cases only)	l i	Converted to temp, business or storage.	Condemned	~	(16-17)	Summers only	3	Transcribe
residence a contract people	Other - Occ. [ All other ]	Occ. by Armed Force members or persons under 15	(Omit		<b>(</b> )	Winters only,	- '	as instructed
	(Describe		/ 'O''' / Built after A	spril 1, 1980	t i			on back of Control Card
	below)	Unoccupied tent site or trailer a Permit granted,	te 1 ) Unused line		ł I'	Other (Describe by	riow) _	
	\	construction not started				/		
	, - I	Other (Specify below)	Ther (Desci	rbe below)	1	/		
		<u>\</u>	·			<i>*</i>		
TRANSCRIPTION ITEMS								ļ
TRANSCRIPTION ITEMS  Fill for interviewed households only. (If continuesion (	cor etc.							
27A. TENURE		each month.)						
(Transcribe from cc item 10)	NOTES:							
Owned or being bought								
Rented	Ì							
No cash rent								
278. HOUSEHOLD STATUS CHANGE	-							
is this a replacement household this month?			~					
Yes 🜣								
_								
No I								
28. TOTAL FAMILY INCOME	<b>-</b>	<del></del>						
(Transcribe from cc Hem 29)								
01 . 95 C 99 D 13 D		·						
72 1 76 10 1 t4 7								
03 . 07 11 . 04 0 09 : 12 2 29 0								
04 1 08 1 12 5 29 5	i							
SEMINOER				<b></b>	- 1 -			
REMINDER			OFFICE USE	ONLY	CO	DER NUMBER		
CH			REINTERVIE	WER				
Fill items 18A-18K on pages 2, 5, 7, 9, and 11.			İ		A	BCDEF	знак	ilmi i
			Program super		-   -	3:13:		
		322	Alternate	eld representative	1   5	123044		
					E   "			
	<del></del>				- 1			

18. LINE NUMBER	20. Did do any work at all	21. (If ) in 19, skip to 21A.)	22. (If LK in 19, Skip to 22A.)	24.CHECK ITEM	_
1	LAST WEEK, not counting	Did have a job or	Hasbeen looking for work	(Rotation number)	·
19. What was doing most	work around the house?	business from which he/she	during the past 4 weeks?	First digit of SEGMENT number is:	25. CHECK ITEM
of LAST WEEK —	(Note: If farm ar business	was temporarily absent or	Yes □ No □ (Go to 24)	1, 2, 3, 5, 6 or 7 (Skip to 26)	(Rotation number)
Working	operator in hh., ask about	on leyoff LAST WEEK?	l /	A == B //= += 3 / 4 ·	First digit of SEGMENT
Keeping house	unpaid work.)	Yes : No : (Go to 22)	22A. What has been doing in the last 4 weeks to find work? (Mark all	·	number is:
Going to school	Yes : No (Go to 21)	/ (00/022)	methods used; do not read list.)	24A. When did last work for pay at a	T, 2, 3, 5, 6 or 7 (Skip to 26)
or something else?	20A. How many hours on C	21A. Why was absent from	Checked pub. employ, agency	regular job or business, either full-or	4 or 8 (Go to 25A)
Working (Skip to 20A)WK	1 "1	work LAST WEEK?	with— pvt. employ, agency	part-time?	25A. How many hours
With a job but not at work . J C	LAST WEEK 2	Our Week	employer directly	Within past 12 months .	per week does
Looking for work LK	at ell jobs?	Own illness	(riends or relatives	1 up to 2 years ago /	USUALLY
Keeping house H		On vacation	Placed or answered ads	2 up to 3 years ago (Go to 248	work at this job?
Going to school S 🗇	208. CHECK ITEM		Nathing (Skip to 24)	3 up to 4 years ago	:
Unable to work (Ship to 24)U 🙄		Bad weather	Other (Specify in notes, e.g., ) TP A, union or prof.	5 or more years ago	.
Retired	49 2 (Skip to 2.2		register, etc.)	News worker (Skip to	-
Other (Specify) OT C		Labor dispute 3	228. At the time started looking	J	_ ` '
•	1-34 C (Go to 9 S		for work, was it because he/she	24B. Why did , , , leave that job?	
		New job to begin (Skip to	lost or quit a job or was there	Personal, family (incl. pregnancy) or school	1
1	35-48 (Go to 20D)	within 30 days © 22B and 22C2)	some other reason?		
1	20D. Did loss any time or	Temporary layofi	• Lost job	Health	258. is paid by the hour
	take any time off LAST	(Under 30 days) 🛴 🚶	Quit job	Retirement or old age	on this job?
	WEEK for any reason	Andefinies Invest	■ Left school	ļ	Yes (Ga to 25C)
	such as illness, holiday	Indefinite layoff (Skip to	■ Wanted temporary work □	Seesonal job completed	No 7. (Skip to 25D)
20C. Does USUALLY work 35	or stack work?	or no def. recall \ 22C3;		Slack work or business conditions	25C. How much Dollars Cents
hours or more a wask at this job?	Yes 🤤 How many hours	date)	or family responsibilities	Temporary	does + 3 5 5
	did take off? 7	Other (Specify) C	Left military service	nonsessonal job completed	earn v v v
Yes O What is the reason		<b>`</b>	Other (Specify in notes)	arrangements (Hours, pay, etc.)	per hour?
worked less than 35 hours LAST WEEK?	. ——		22C. 1) How many weeks	Other	{
35 Hours CAST WEEK	CONTECT 2UA IT IOST TIME	21B. la receiving wages	hasbeen looking	24C. Does want a regular job now,	
No C What is the reason	not already deducted;	or salary from his/her	for work?	either full-or part-time?	[ <del>C T 2</del> ] : : :
USUALLY works	if 20A reduced below 35	employer for any of the	3.3	■ Yes	
less than 35 hours	correct 208 and fill 20C)	time off LAST WEEK?	2) How many weeks ago	Maybe — it depends . \ (Go to 240)	
a week?		Yes Č	did start looking S E	(Specify in notes)	_ 1 1 1
(Mork the appropriate reason)	No 2 7		torwork? 6.6	Dan't know (Skip to 24E)	1 5 5
	20E. Did work any overtime	No C	3) How many weeks ago		(Ash 250) REF 3
Slack work	or at more than one job		1-14-495	24D. What are the reasons is not looking for work?	
Material shortage	LAST WEEK?	21C. Does usually work	wasiaid on?	(Mark each reason mentioned)	25D. How much does USUALLY
Plant or machine repair	, , , , ,	35 hours or more a week	220. Has been looking for full-time	Believes no work	sam per week
	Yes O How many extra hours didwork?	at this job?	or part-time work?	available in line of work or area	at this job
New job started during week O		Yes C	Full G Part C 📟	Couldn't find any work	BEFORE 8.6.3
Job terminated during week, O		res	22E. Couldhave taken a job LAST	<ul> <li>Lacks nec. schooling,</li> </ul>	deductions? 3 3 3
1	(Correct 20A and 20B as	No C	WEEK if one had been offered?	training, skills or expenience =	Include any
Could find only part-time work	necessary If extra hours		Yes C No C Why no!?	Employers     think too young or too old	overtime pay, 3 3 3
Holiday (Legal or religious) C	not already included and	(Skip to 23 and enter job			or tips usually
Labor dispute	skip to 23.)	held last week)	Already has a job	Other pers, handicap in finding job.	received.
	No ○ ■	, ,	Temporary illness O Going to school	Can't arrange child care	<b>S</b> 5 5 5 5
Bad weather	(Skip to 23)		Other (Specify in notes)	Family responsibilities	REF .
Own illness	O INDUSTRY	OCCUPATION	1	- Estate responsibilities.	
On vacation	200	3 3	22F. When did last work at a full-time job or business lasting	• In school or other training	25E. On this job, is a member
Too busy with housework,		* *	2 consecutive weeks or more?	• Ili health, physical disability	of a labor union or of an
school personal bus, etc	ġ āāā	ā ā	Within last 12 months (Specify)	Other (Specify in notes)	employee association similar to a union?
Did not want full-time work C	3 3	3 3 5	(Month) 🎤		1
Full-time work week	<u>v</u>	E-, E- E.	One to five years ago	Don't know	Yes : (Skip to 26) No : (Ask 25F)
under 35 hours	\$ 55 m	<b>=</b>	More than 5 years ago	24E. Does intend to look for work	No .: (Ask 25F)
Other resson (Specify)	\$ 6 s	- 333	Never worked full-time 2 wks. or more	of any kind in the next 12 months?	25F. On this job, is covered
`	O 2 .		Never worked at all	Yes ;	by a union or employee
1	N 6 5	୫୫୫ ବ୍ରବ	(SKIP to 23. If layoff entered in 21 A,	It depends (Specify in notes)	association contract?
	1'	Ref. C	enter job, either full or part time, from	No :	Yes = 1
(Skip to 23 and enter job worked	1 12	Ker. C	which lold off. Else enter last full time job lesting 2 weeks or more, or	Don't know	No (Go to 26)
at last week)  23. DESCRIPTION OF JOS OR BUSI	I	·····	"never worked.")	otherwise, skip to 26)	
23A. For whom did work? (Name o	of company, business, organization (	or other employer.)	23E. Was this person		23F. CHECK ITEM
			An employee of a PRI'	VATE Co,	1
236. What kind of business or industry	in this? (For example: TV and	a mfa _mtail share	- O 1	for wages, salary or comm P 🗇	Entry (or NA)
	ir on exemple. I'r pilo rog!	u my., recen snoë Store, State Labo	i i i i i i i i i i i i i i i i i i i	ient employee	in Item 20A
<del></del>				employee S 🗇 🕻 23F)	(Go to 25
23C. What kind of work was doing	? (For example: electrical engineer,	stock clerk, typist, farmer.)	A LOCAL government	t employee L 3 1	Entry (or NA) page;
	<b>3,</b>	,, .,,		s., prof. practice, or farm	in item 21B
220 44			le the husiness inco	orporated?   Yes	1
23D, What were's most important a	ectivities or duties at this job? (Fo	r exemple: Types, keeps occount bo	oks, files,	1190 SE 👙 (	All astronomy and a
sells cars, operates printing press, i	inishes concrete.)		i i	AY in fam. bus. or farm WP (2 10 26)	All other cases (Skip to 26)
·			NEVER WORKED	NEV T	

18A.	18B. RELATIONSHIP TO REFERENCE PER	SON	18C.	16D.	18E. MARITAL	18F.	18G1. SEX	18H, HIGHE	I		
LINE NO.	Ref, Person WiTH rel, in H'hld		PAR'S LINE	AGE	STATUS	SPOUSE'S	Wale . /_	GRAD	1 191 70 400	IBJ. RACE	IBK.
110.	Ref. person with NO rel. in H'hld		NO.		i Married soouse	LINE	Female - 1	ATTE	COMPLETED	s	ORIGIN
3:	Hustand		2.2	<b>-</b> .	present .	2.3	18G2. VETERAN STATUS	1		White	2.3
	Natural/Adopted Child		1 1		Married -	::	Veteran —		Yes .	Black	
3 3	Step Child		3 2	2 3	spouse	2 2	Yelelan 7		No ·	Amer, Indian,	
3 2	Grandchild	07 [	2 3	3 3	absent (Exclude	3.3	Vietnam Era C			Aleut, Eskimo	3 3
i	Parent				separated)		Korean War				
5	Brother/Sister		2	3.0	Widowed 3	-	World War II	1 2		Asian or	-
<u></u>	Other Rel. of Ref. Person		3	3 3	Divarced	1 :	World War I	3	ļ	Pacific Isl	
:	Foster Child	11 🙄	:	4 4	Separated 5	1	Other Service 3	] :	'	Other :	
	Non-rel, of Ref. Person WITH OWN rel in H'hid	12 7	5	1 2	Never	-	Nonveteran				1 1
	Partner/Roommate		None	-	married &	None				_	1 1
	Non-rel, of Ref. Person (other than partin roommate) with NO OWN rel, in H'hld I		i			3	<b>.</b>	ı	, =		
	CK ITEM ascribe from control cord Item 18)	33. із . , . атт	anding colit	ge full-tin	ne or part-time?	42, in what	calandar year did complete	high school?	50. CHECK ITEM		<del></del> -
	is person is	F	oll time 🔮			1989			Entry of "Yes	" in Item 30 C (ASK	51)
	6–24 years of age _ (Ask 26A)	P.	art time _			1988	or before			5 (GO 1	
l^	All others (Skip to 26C)	34 luthis at	wo-ver col	lege or a t	our-year coilege	<b>∆</b> 3 Did	complete high school by meen	101	61 Dom dimeter	use a computer at echo	<del></del>
	School in 19, Verify) LAST WEEK was	or univer			_		raiency test, such as the GED?				ж
att un	tending or enrolled in a high school, college, or inemity? (Mark "Yes")f currently on holiday or		r callege				Yes C		Yes C		
sec	sonal vacation. Mark "No" for summer vacation).		ommunity o	ir junior c	allege)		No C	,		<u></u>	
	Yes 👉 (Verify) — No 🗅 (Skip to 26C)	1	r college or		-				52. CHECK ITEM	_	
		DE HOYE.					his next set of questions has b				
	High School (Ask 268)	1	read the par		caü <b>ege</b> (23 ~26 in ohmues		irect or hands on use of compu uters may be personal or home		Entry of "Yes	" in nem 44 🗍 /ASK	53)
l	Callage or Univ.				ram and) on the job		ters, or mainframe computers.	DON'S CONTRACTOR	Alf auto-		
	enrolled in school as a full-time part-time student?	training,	ıstakin	g any busi	ness, vocational,	These quest	ions do not refer to hand-heid	caliculations	An others	5 (GO:	70 36/
1 18	Full turns			, trade or	correspondence		ectronic video gemes, or system	ns which	53. Does directly	use a computer at home	;?
	Part time (F/III 26C)	courses?	Yes ∵			do not use a	typewriter-like keyboard,			(ASK 54)	
<u> </u>		ļ	No C			458/1	TEMS 44, 45, and 46 ONCE OF	EIDST	No C	(GO TO 56)	
	IECK ITEM					J.	NDENT IN HOUSEHOLD. TRA		54. At home what or	es , use the computer	fac)
	ho responded to the labor force items or this person?				in a regular school		TLY FOR FOLLOWING RESP			RD B. MARK ALL THA	
"	· _ !	of inst v		r, 1986, ti	hat is , October	ANDB	EGIN WITH ITEM 47.			ng	
ļ	Self C / B	U. 1224 7		/45# 3	<b>-</b> .					ords/finances	
Į	Self/Other 3			(ASK 3 (SKIP 1		44. Is there	a computer in this household?		School assignment		
<u></u>	<u> </u>						Yes 🛈 (ASK 45)		Connect to con	mputer	
	DER: ASK THE LABOR FORCE QUESTIONS		ide or year v	Wasat	tending last year?	1	No C (FILL 47)			xk at home .	
	LL HOUSEHOLD MEMBERS 15+ YEARS OLD		Elem	entary		45. In what	year was the computer purcha	sed?	Home-based bi		
BETON	E ASKING THE SUPPLEMENT QUESTIONS	4	1 2 3 4	5 6 7	В	1989			Bulletin board	s	
	SUPPLEMENT QUESTIONS	1	1:11	100	<u>:</u>	1988				e the computer.	
APPRO	VED, O.M.B. NO. 0607-0464 EXPIRES 12-31-89	1	Wieh	School	_	1987			Spread sheets.		
29. CHI	ECK ITEM			11 12		1986	C Don't Know 3			2	
\$ch	ool enrollment status (Transcribe from 26a)		9 10	- 11		AS Which o	of the following items does this	eomouter.	Graphics		
	Yes (VERIFY 30)					1	READ LIST - MARK ALL THA	1	Games	_	
	No . )		Cc	liege		1		nonitor	Telemarketing Databases		
	Blank . (ASK 30)		21 22 2	3 24 29	5 26		disk drive Dot m		Electronic mai		
30. is .	attending or enrolled in regular school?	-	1 1 =	5	. 1		hone madem 🗧 💢 prin	10r	Other		
1	Yes : (45K 31)	38. CHECK	ITEM				printer Plotter.		Don't know		
1	Na 🗀 (SKIP to 35)	SO. CHECK	I ( L.MI					:now	55 During the last of	sonth, on average how m	
22 10	enrolled in public or private school?	Entr	y pt "1-12"	in item 3	2 1 (GO TO 44)	m	ouse control., [			use the computer at hor	
1	Public 1	A11 -	there		- fruitaet	47. CHECK			7 days		:
	Private ©	Allo	triers		J (FILL 39)		Entry or NA in item 20A prinem 21B C	(ACF 40)	6 days		
		<u> </u>				1	All others		5 days ∹	Orice a week	k 🗎
32. Wh	at grade or year is attending?	39. CHEÇK	ITEM						4 days	Not used	
!	Elementary		ø 15-24 <sub>-</sub>		(0)	48. Does	, directly use a computer at we	ork?	3 days 2 days	in läst mon	
1	1 2 3 4 5 6 7 8		Age 25+	(GO TO	9 44)		Yes 🗆 💼		2 0475	Don't know.	
		40. CHECK	ITEM			1	No 3		56. CHECK ITEM		
ļ	High School	1	School Gra	duate (en	iries	49. At work	c, what does , use the compu	iter for?	Who reported fo		
	9 10 11 12 (GO TO 36)	0	f "12" and	"yes" in (	C items		FLASHCARD A. MARK ALL T			Self	
	)		3a and 23b			Word		r\$i\$	l	Parent	
	_				3a) [ <i>(SKIP TO 42</i> =	1 Book	keeping 3 Soree	d sheets	1	Spouse	
	Collage	Not	nign achool	graduate	I (ASK41)	Comp	outer-assisted Sales	:		Other relative   5 Nonralitive   5	
!	21 22 23 24 25 26	41. In what	calendar ye	er did , , .	lest attend regular		rdar (achadi dino	s		TOWNSHIELDS.	
		Spoots.			_		roose mad	ing			
	(If entry in 26h	1989.				1	tory control	iks	If this is the last peru	on 15+ vears of age in the	boucehoid
SK.	SP TO item 34, OTHERWISE, ask stem 33)	1988 d	or before .	. (GO 1	TO 43)		ramming	iction		piete items 57-65 as app	
		Never	attenged .	. 1			top publishing/ Instru ewsletters Other		for any children 0-1-		
								know			
i.		1							I .		

· <del></del>	, — — — — — — — — — — — — — — — — — — —			24 OUTCY ITTH	
18. LINE NUMBER	20. Did do any work at all	21. (If ) in 19, ship to 21A.)	22. (If LK in 19, Skip to 22A.)	24 CHECK ITEM	
	LAST WEEK, not courning	Ord have a job or	Hasbeen looking for work	(Ratation number)	25. CHECK ITEM
	work ground the house?	business from which he/she	during the past 4 weeks?	First digit of SEGMENT number is:	(Rotation number)
19. What was doing most of LAST WEEK -	(Nose: If farm or business	was temporarily abush tor	Yes : No : (Go to 24)	1, 2, 3, 5, 6 or 7 (Skip to 26)	First digit of SEGMENT
, Working	operator in hh., ask about	on leyoff LAST WEEK?	224	4 or B (Ga to 24A)	number is:
1	unpeid work.)		22A, What has , been doing in the last		
Keeping house	Yes No I (Go to 21)	Yes . No .: (Go to 22)		24A. When did last work for pay at a	1, 2, 3, 5, 6 or 7 (Skip to 26)
Going to school	/E. 15 [ (30 to 11)	<u> </u>	methods used; do not read (itt.)	regular job or business, either full- or	4 or 8 (Go to 25A)
or something else?	20A. How many hours C C	21A, Why was absent from	Checked pub employ, agency .	part-time?	
Machine (Ship on 2014)	didwork : :	work LAST WEEK?	with— pvt, employ agency (	Within past 12 months 🗇 .	26A. How many hours
Working (Skip to 204) WK	LAST WEEK	Own illness,	employer directly.	1 up to 2 years ago .	per week does
With a job but not at work J	et elf jobs?	Own Inness	friends or relatives		USUALLY
Looking for work LK	1 2.2	0	Placed or answered ads		work at this job?
Keeping nouse H	208. CHECK ITEM	On vacation	Nothing (Skip to 24)	3 up to 4 years ago	1
Going to school S _	1		Other (Specify in notes, e.g.,	4 up to 5 years ago . "	
Unable to work (Skip to 24)U _	]   3.5	Bad weather	/TPA union or prof.	5 or more years ego (Skip to	2 1
Retired	49 (Skip to ? ?		register, etc.),	Never worked 1 24C,	1 1
Other (Specify)OT	item 23) : :	Labor disoute	228. At the time started looking	248 Why did to be shot inh?	
*	1-34   (Go to	ļ	for work, was it because he/she	1	<b>=</b>
•	į <b>20</b> C) L	New job to begin (Skip to	!		
	35-48 5 (Go to 20D)	within 30 days 👶 228 and	lost or quit a job or was there	(Incl. pregnancy) or school.	
	/	22C2)	come other recon?	Health	259. Is paid by the hour
•	200, Dic lose any time or	Temporary (eyoff	• Lost job		on the job?
	take any time off LAST	(Under 30 days) 🖫	• Quit job	Retirement or old age .	1
	WEEK for My reason		• Left school	Seasonal job completed	Yes (Go to 25C)
•	treek for provided:	indefinite levoff \/Skip	Wanted temporary work.	Sesonal job completed	No : (Skip to 25D)
<u></u>		(30 days or more 10 or no def. recall 22C3		Slack work or business conditions	SEC Manual Dellas Com
20C. Does USUALLY work 35	or slack work?	date)	or family responsibilities	Тетрогасу	25C. How much Dollars Cents
hours or more a week at this job?	Yes How many hours		Left military service	nominational job completed	does 22 22
	didtake off?	Other (Specify) 2	Other (Specify in notes).	Unsatisfactory work	•••• :::::
Yes C. What is the reason		,	, other jupatry in notes/	arrangements (Hours, pay, etc.)	perhour? : : : : : :
worked less than	1		22C. 1) How many weeks 2.2	Other	1 1 1 1 1
35 hours LAST WEEK?	(Correct 20A If lost time	218. is receiving wages	has been looking		
	not aiready deducted;	or salary from his/her	for work?	24C. Does went a regular job now, sither full- or part-time?	5 5
No C What is the reason	(f 20A reduced below 35.	erreplayer for any of the		_	<b>                                   </b>
USUALLY works	.,	time-off LAST WEEK?	,	Yes (Go to 24D)	
	correct 208 and fill 20C)	DITIE-OIT LAST WEEK!	2) How many weeks ago a.	Maybe — it depends . )	1 1 1 1
less than 35 hours	ļ	V	did start looking 🚊 🚉	(Specify in nates)	
a week?	No :	Yes C	for work? % &	/Shin to 74F	y  ■
(Mark the appropriate reason)	//	No 5	3.3	Don't know	(Ask 25D) REF 1
	20E. Did work any overtime	•	3) How many weeks ago 👙 🛫	24D. What are the remons is not	1 - 12/30/
Slack work	or at more than one job		wasiard off?	looking for work?	250. How much does
Martanial shawara	LAST WEEK?	21C. Does usually work		(Mark <u>each</u> reason mentioned)	USUALLY
Material shortage		35 hours or more a week	22D. Has been looking for full-time	Believes no work	earn per week
Plant or machine repair, , ,	Yes 😅 How many extre	at this job?	or part-time work?	available in line of work or area	er this job
	hours did work	1	Full 🕽 Part 🔾 📟	Couldn't find any work .	BEFORE 3 2 2
New job started during week C	_	Yes C		T - Lacks nec. schooling.	deductions? 3.3.3.3
Job terminated during week, , S	<del></del>		22E. Could heve taken a job LAS	training, skills or experience	Include any
oos tammatas agring statut, ; s	(Correct 20A and 20B as	No -	WEEK if one hed been offered?	1 '	2 2 2 3 3 3
Could find only part-time work   5	recessivy if extre hours	ľ	Yes 2 No 2 Why not?	Employers     think too young or too old	commissions,
Maritan de anni an autoria de la	not already included and		103 ( 100 5 1111)	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
Holiday (Legal or religious)	skip to 23.)	(\$kip to 23 and enter job	Aiready has a job	<ul> <li>Other pers hangicap in finding job</li> </ul>	or tips usually
Labor dispute	· —	heid last week)	Temporary illness		meaned.
	No I	1	Going to school	Can't arrange child care	
Bad weather	(Ship to 23)	1	Other (Specify in notes)	Family responsibilities	REF .
Own illness	O INDUSTRY	OCCUPATION	1		SEE On this set is a set
	E	GCCOPATION	22F, When did , , , last work at a full-time job or business jesting	<ul> <li>In school or other training .</li> </ul>	25E. On this job, is a membe
On vecetron	} a=== .	3 1	2 conscurive weeks or more?	Hit health, physical dissolitity.	of a labor union or of an
Too busy with housework,	15 :::	4 I	Within last 12 months (Specify)		employee emociation efficie
school personal bus, etc.	C 3 3 3	7		Other (Specify in notes)	to ê nujou).
Did not want full-time work	2 2	3 7 2	(Month)	Don t know	Yes C (Skip to 26)
Full-time work week	U		One to five years ago	- Schillingw	No . (Ash 25F)
under 35 hours	\$ 3.5		More than 5 years ago	24E. Does intend to look for work	7
Other reason (Specify)	[E ] ]	\$ 3 5	Never worked	of any kind in the next 12 months?	25F. On this job, is covered
	0 -	7	full-time 2 wks. or more	Yes	by a union or employee
i i	N	ā - Ē - Ē	Never worked at all	It depends (Specify in moses)	emociation contract?
	<u>                                     </u>	ş i ş	(SKIP to 23. If leyoff entered in 21 A,	, <del></del>	
	Ref.	Ref.	enter Job, either full or part time, from which faid off. Eise enter last full time	Don't know	Yes O I see to 261
(Skip to 23 and enter job worked		Unc. I	jab lesting 2 weeks or more, or	(If entry in 248, describe job in 23,	No - (Go to 26)
at last week)	Uni.	wes	"never worked.")	otherwise, ship to 26)	<u> </u>
23. DESCRIPTION OF JOB OR BUS	INESS				
Z3A. For whom did work? (Name		or other employer	23E. Was this person		23F, CHECK ITEM
Estate For Wilder and Co. C. Morar Presse	or company, outsides, angeres	o. com androya.,	An employee of a PR	HVATE CA	23F, CHECK ITEM
				I for wages, salary or comm P 2 ,	1
200 140 1 1	- 1. 16 Table - 1. 18 Table - 1.	(a = 6 = = a = 1 = b = = = = = 6 = = = = = = = = = = = =	P I		Entry for NA)
238. What kind of business or industr	ry is this? (For example, TV and red	no mrg., resail shoe store. State La	por Dept.) A FEDERAL govern	ment employee	in item 20A
			A STATE governmen	nt employee	) 160 10 2
<del></del>			A LOCAL governme		at rop o
23C. What kind of work were doin	gî (For example: electrical <del>eng</del> inee	r, stock clerk, typrst, former.)	_	_	Entry (or NA) poge) in dem 21B
			Sélf-émplian CWN b	us , prof. practice, or farm	· - <b>·-</b>
<u></u>				corporateo? Yes	
23D. What were's most important	t activities or duties at this job? (Fi	or example: types, keeps account:		∤ No 5E ∤	All other cases (Skip to 2)
selis cors, operates printing press,				PAY in fam. bus or farm WP C 1 to 26)	· ·
					<b>'</b> :
Ŋ.			, NEVERWORKED	<b>NEV</b> 1	•

18A.	188. RELATIONSHIP TO REFERENCE PER	ISON	18C.	180.	18E. MARITAL	18F.	18G1. \$EX	18H. HIGH	EST		_
NO.	Ref Person WITH ref. in H'hid		PAR'S	AGE	STATUS	SPOUSE'S		GRAD		18J. RACE	18K.
/10.	Ref. person with NO ref. in H'hid		NO.		Married — spouse	NUMBER	Female 2 17	ATTE	NDED COMPLETED		ORIGIN
a -	Wife		2.2	<b>—</b>	present .	2.2	18G2, VETERAN STATUS	i	.	White	2 .:
	Natural/Adopted Child		1 3 3	2 -	Married -	2 -	Veteran —	-	Yes _	Black.	1
8.3	Steo Child	06 ©	ΞΞ	3 5	spouse	ā ā	'************************************	= =	No ∹	Amer, Indian,	T 8 8
3 3	Grandchild		3.3	3 3	abseni (Exclude	3.3	Vietnam Era	3		Aleul Eskimo	133
	Parent			÷ 4-	separated) &	9	Koreen War _				-
1 3	Brother/Sister		3	3 5	Widowed 3	5	World War II :	;		Asian or Pacific Isl.,	1 5
3	Foster Child		5	5 3	Divorced ÷	3	World War I Other Service			1	-
1 -	Non-rel, of Ref. Person			4 4	Separared ≘	ė,	1			Other	1 3
	WITH OWN ret. in H'hld	12 3	Ē	5-5	Naver	5	Nonveteran :				9
_	Partner/Ricommate	_;13 î	None	!	married 5	None	' <u>_</u>		ı		}
	roommate) with NO OWN rel. in H'hld		-			2					
	CK ITEM	33. ls arts	ending coils	ge full-tin	ne or part-sime?	42. In what	calendar year did complete	high school?	SO CHECK ITEM		
	is person is	ì	ull time	<b>.</b>			3	(mg/) ===(0,1)		W	
	6-24 years of age (Ask 26A)		ert time				or before			"in item 30   C   (ASK	
٠ ١	All others	24 1.45				40.00	<del></del>				
28A. (II	'School' in 19, Verify) LAST WEEK was	Of univer		lege or a 1	four-year college		complete high school by means	l Of	51. Does directly	use a computer at school	ol?
200	tending or enrolled in a high school, college, or iversity? (Mark "Yes"if currently on holiday or	1	-			an admin	relency test, such as the GED?		Yes (		
	sonel vecation. Mark "No" for summer vacation).		rcollage Ommunity o	r words c	ollene) .		Yes C No∵O	į	No C	;	
	Yes C (Verify) 7 No C (Skip to 26C)		r college or	-					52. CHECK ITEM		
	•	<del></del>				•	his next set of questions has to				
	High School (Ask 268)	1			college (21–26 in	_	iract or hands on use of compu		Entry of "Yes	"in item 44 😅 (ASK	531
	Collège or Univ.		read the pen		phrases rama and) on the job		uters may be personal or home ters, or mainframe computers.	computers,		,	,
	ereolisti in school as a full-time				ness, vocational,		ions do not refer to hand-heid :	caiculators	All others	C (GO	TO 56)
or	part-time student?	technica	, secretarial	, trade or	correspondence		ectronic video gemes, or system		53. Does directly	use a computer at home	17
	Full time (Fill 26C) Part time \( \begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	courses?	Yes =			do not use a	typewriter-like keyboard,		1	(ASK 54)	
ļ	Tartone 3 1	i	res ⊥ No ∃							(GO TO 56)	
ł	ECK ITEM			_			TEMS 44, 45, and 46 ONCE OF NDENT IN HOUSEHOLD. TRA		Ed Assis	<del></del>	
	ho responded to the labor force items	35. Wes attending or enrolled in a regular school or college in October, 1988, that is , October				TLY FOR FOLLOWING RESPO			RO B. MARK ALL THA		
10	r this person?	or colleg		r, 1988, ti	hat is , October		EGIN WITH ITEM 47.			19	( APPLY)
ì	Self C /	9, 125, 7,		/4 F # 3	71		<del> </del>			ords/finances	
	Self/Other	1		(ASK 3 (SKIP T		44. Is there	a computer in this household?		School assignm		
-							Yes C (ASK 45)		Connect to cor	mputer	
REMIN	DER: ASK THE LABOR FORCE QUESTIONS LL HOUSEHOLD MEMBERS 15+ YEARS OLD	37. What gra	de or year w	æ att	tending last year?		No C (FILL 47)			rk at home	
	E ASKING THE SUPPLEMENT QUESTIONS		Elem	entary		45. In what	year was the computer purchas	ed?		Jeiness	
		1	1 2 3 4	5 6 7	8	1989	C 1985 ,. 3			hing/newsletters	
APPRO	SUPPLEMENT QUESTIONS YED, O.M.B. NO. 0607-0464 EXPIRES 12-31-89		1255	200	_	1988				the computer.	
	<del></del>	1	Hìgh	School	_	1987	_				
	ECK ITEM  ool enrollment status (Transcribe from 26a)			11 12		1986	C Don't Know C		Programming .		
			: :	· :		46. Which o	f the following items does this	computer	Graphics Games		
	No (VERIFY 30)		Co	llana		have? (A	READ LIST MARK ALL THA	T APPLY)	Telemarketing		
ļ	Blank , (ASK 30)		_	llege	. 26		• • • • • • • • • • • • • • • • • • • •	nonitor _	Danabases		
<b>30</b> 11		-	21 22 23 : 0 .		26		disk drive Dot mu			القامية بالمناجعين	
30.16.	attending or enrolled in regular school?						•	ter,	Other,		
	Yes : (ASK 3)) No : (SKIP to 35)	38. CHECK	ITEM			Joyst		now.			
		Entry	ot "1-12"	in item 3	2 i (GO TO 44)	m	ouse control			onth, on everage how m	
31. fs.	enrolled in public or private school?	,			, _ , _ , , , , , , , , , , , ,	47. CHECK	ITEM	_		use the computer at hor	
	Public -0	Allo	thers		5 (FILL 39)L.		Entry or NA in		7 days 5 6 days	_	=
	Private 👵						item 20A or item 21B		5 days	Less than once a wee	
32. Wh	st grade or year is , attending?	39. CHECK	ITEM				All others	(GO TO 50)	4 days		
	Elementary	Ag	15-24	(FILL 4	(0)	48. Does	. directly use a computer at wo	rk?	3 days	in last mon	ab 🗓
	1 2 3 4 5 6 7 8	,	Age 25+ T	(GO TO	44)		Yes 🗸 💼		2 days .	. Don't know,	
1	. : : : : : : ; ;	40. CHECK	ITEM			1	No C		56. CHECK ITEM		-
	High School	1	School Grad	juata (ent	tries	49. At work	c, what does , use the compu	ter for?	Who reported for	r this person?	
	9 10 11 12 (GO TO 36)	01	"12" and "	ves" in C	C items		FLASHCARD A. MARK ALL T		l	self	
İ	- }		Baland 23b (			Word		sis	l	arent	
1		1	21-26" in C High School			Book	keecing Spread	d sheets 🔾		oouse	
1	Collage	⊢				Comp	RIDA (CALII	i		Other relative 😅	
1	21 22 23 24 25 26		zalendar yes	r did	last attend regular		dar/schedulino ∵	• · · · · · · · · ·	<u> </u>		
1	· •	school?					ranic mail . Invokt	ing			
	(If entry in 266		1	1,00	50.431		tory control Deten			n 15+ years of age in the	
2×	IP TO item 34, OTHERWISE, ask item 33)	1	r before 🗓 ittended 🗦	GO T	O 43)		namming	ction		olete riems 57–65 as app	iscable,
1						re	swsletters Other		for any children 0-14	years old.	
L		1				Com	munications Don't	know.			

1B, LINE NUMBER	20. Did do any work at all	21. (If   in 19, skip to 21A.)	22. (If LK in 19, Skip to 22A.)	24. CHECK ITEM	<del> </del>
	LAST WEEK, not counting	Did have a job or	Hesbeen looking for work.	(Rotation number)	r
15.40	work around the house?	business from which he/she	during the part 4 weeks?	First digit of SEGMENT number is:	25. CHECK ITEM
19. What was doing most of LAST WEEK	(Note: If farm or business	was temporarily absent or	I		(Rotation number)
1	operator in hh., ask ebout	on layoff LAST WEEK?	Yes : No : (Go to 24)	1, 2, 3, 5, 6 or 7 (Skip to 26)	First digit of SEGMENT
Warking	unpaid work.)	ON INVOIT LAST WEEK!	22A. What has been doing in the las	4 or 8 (Go to 24A)	
Kasping house	/ / /	Yes [ No [ (Go to 22)			number is:
Going to school	yes . No ○ (Go to 21)	#	4 weeks to find work? (Mark <u>all</u> method: used; do not read list.)	24A. When did last work for pay at a	1, 2, 3, 5, 6 or 7 (Skip to 26)
or something else?	//	21A. Why was . , . mbsent from	metroas usea; ao not read int.)	requier job or business, either full- or	4 or 8 (Go to 25A)
	20A. How many hours CO		Checked pub employ, agency	part-time?	
Working (Skip to 20A) WK	did work	work LAST WEEK?	with— pvt. employ agency	· ·	25A. How many hours
With a job but not at work J			employer directly	Within past 12 months 🛴 🔒	per week does
Looking for work LK	at all jobs?	Own illness	friends or relatives	1 up to 2 years ago T	USUALLY
			Placed or answered ads	2 up to 3 years ago \(Go to 248)	1 .
Keeping house H _	200 CHECK (TEA)	On vacation		3 up to 4 years ago . }	work at this job?
Going to school	208. CHECK ITEM 3 5		Nothing (Skip to 24)	4 up to 5 years ago	
Unable to work (Skip to 24)U [	3.5	Bad weather	Other (Specify in notes, e.g.,	5 or more years ago	" "
Retired	49 0 (Ship to 7.2		{TPA, union or prof. register, etc.}.	/Shin to	1 1
Other (Specify)OT	item 23) 🚊 🚊	Labor dispute, ,		Never worked 24C)	1 1 1
i i	1-34 0 (Go to   8 9	coso: crapote, ,	228. At the time started looking	24B. Why did leave that job?	1 📥 :
,	20C)	N	for work, was it because he/she		_
1		New job to begin (Skip to	I love on make a late an increase.	reisonar, raining	
1	35-48 3 (Go to 200)	within 30 days 3 22Band	1 7	(Incl. pregnancy) or school.	
	<i> </i>	Temporary layoff	SOME other reason?	Health, ',	258. Is paid by the hour
	20D. Did loss any time or		• Lost job		on this job?
1	take any time off LAST	(Under 30 days)	Quit job	Retirement or old age	· ·
	WEEK for any reason	1	Left school		Yes C (Go to 25C)
1	such as illness, holiday	Indefinite layoff (Skip	<ul> <li>Wanted temporary work.</li> </ul>	Seasonal tob completed	No C (Skip to 25D)
200 Deep 1/0/	or slack work?	or no def. recall \ 22C3	l	Stack work or business conditions	
20C, Does USUALLY work 35	1	dote)	or family responsibilities	1	25C. How much Dollars Cents
hours or more a week at this job?	Yes C How many figure			Temporary	does
I	did take off? ¬	Other (Specify)	• Left military service	nonstational job completed	com -
Yes . What is the reason		<b>*</b> `	Other (Specify in notes) [	Unsatisfactory work	per hour?
worked less than				arrangements (Hours, pay, etc.)	ber upnit : : :
35 hours LAST WEEK?	/G		22C. 1) How many weeks	Other	
1	(Correct 20A If lost time	218. Is receiving wages	has been looking	24C. Does went a regular job now,	
No : What is the reeson	not already deducted;	or selery from his/her	for work?	either full- or part-time?	1
	if 20A reduced below 35,	employer for any of the	1 55	_	<b>1 6</b>
USUALLY works	correct 208 and fill 20C)	time off LAST WEEK?	2) How many weeks ago	Yes (Go to 24D)	
less than 35 hours			ata managana in	maybe — II depends	
a week?		Yes 🗓		(Specify in notes)	_ ***
(Mark the appropriate reason)	No C 📆		for work? 5.5	No (Ship to 24E)	
( All and appropriate regard)	/	No I	3.2	Don't know	
Slack work	20E. Did work any overtime		3) How many weeks ago	24D. What are the reasons is not	(Ash 250) REF :
	Of at more than one job	<del></del>	was laid off?	looking for work?	25D. How much does
Material shortage	LAST WEEK?	21C. Does usually work		(Mark each reason mentioned)	
1 _		35 hours or more a week	22D. Has , been looking for full-time	Believes no work	USUALLY
Plant or machine repair 5	Yes 🔾 How many extra	at this job?	of part-time work?	available in line of work or area	earn per week
New job started during week	hours didwork?	11 2/12/00.	Full 3 Part 3	,	at this job
inem job started during week ,	,	Yes 🗀	l	Couldn't find any work	DEPURE
Job terminated during week			22E. Could heve taken a job LAST	<ul> <li>Lacks nec. schooling.</li> </ul>	ORGUCTIONS/
	(Correct 20A and 20B es	No .	WEEK if one had been offered?	training, skills or experience	Include any
Could find only part-time work 💲	necessary if extra hours			Employers	Overtime pay.
Maliabudi and a sudden by	not already included and		Yes □ No □ Why not?	think too young or too old	commissions 3 2 3
Holiday (Legal or religious)	skip to 23.)	(Skip to 23 and enter job			or tips usually
Labor dispute Ç	l <u> </u>	held last week)	Aiready has a job	Other pers. handicap in finding job	received.
)	No O	· ·	Temporary illness	Can't arrange <u>child care</u> .  -	le la la la la la la la la la la la la la
Bad weather	(Skip to 23)		Going to school		[ ]
Our dead	(384) 10 237	<u> </u>	Other (Specify in mates)	Family responsibilities.	REF -
Own illness	O INDUSTRY	OCCUPATION	225 When did		AFF COUNTY
On vacation	F 320	a -	22F. When did last work at a full-time job or business lasting	• <u>In school</u> or other training	25E. On this job, is a member
			2 consecutive weeks or more?	• III health, physical disability	of a labor union or of an
Too busy with housework, school, personal bus., etc			Within last 12 months (Specify)	rounds proyances unapperity	employee essociation similar
I .	E SEE	= = -		Other (Specify in nates)	to a union?
Did not want full-time work C	33	3 3 3	(Month)		Yes C (Ship to 26)
Full-time work week	U + +	5 · · ·	One to five years ago	Oen't know	
under 35 hours	8	5 5 5	More than 5 years ago	24E. Does intend to look for work	No ○ (Ask 25F)
Other reason (Specify)	5 5	3 3 3	Never worked	of any kind in the next 12 months?	25F. On this job, is covered
· •	o ::	3 5 5	full-time 2 wks, or more		I .
l	N i i		Never worked at all	Yes	by a union or employee
1	F + +	9 1	(SKIP to 23. If leyoff entered in 21 A.	It depends (Specify in notes)	association contract?
	Y Ref.		enter job, either full or part time, from	No	
(Skip to 23 and enter job worked		Ref. :	which loid off. Else enter last full time	Don't know.	Yes - (Go to 26)
at last week)		Inc. C	job lesting 2 weeks or more, or "never worked.")		No 3 (1001020)
23. DESCRIPTION OF JOB OR BUST	IESS			otherwise, skip to 26)	<u> </u>
			<del></del>		
23A. For whom did work? (Name o	r company, business, organization (	u other employer.)	23E. Was this person		23F, CHECK ITEM
			An employee of a PRI	VATE Co.	Lo., Official ITEM
			bus or individual (	for wages, salary or comm. , , P 1	
23B. What kind of business or industry	is this? (For example: TV and radio	mig., retail shoe store. State Laho	- D1	1 /	Entry (or NA)
1			i count governi	ient employee	in Item 20A
<del></del>				employee	(Ga to 25
23C, What kind of work was doing?	(For example, electrical and			t employeeL C	at top of
	, example: electrical engineer,	NOUN CIEFA, TYPIST, farmer.)	ì	the state of the s	Entry for NA   page)
			<ul> <li>Self-empt in OWN has</li> </ul>	s., prof. practice, or farm	in item 218 🗇
			;		
22D MIL-1		<u> </u>	Is the business in	1 Yes	
23D. What were's most important a	ctivities or duties at this job? (For	example: types, keeps account ba	oks, files,	prporated No SE	! ! !
23D. What were's most important a sells cars, operates printing press, fi	ctivities or duties at this job? (For	example: types, keeps account ba	oks, files,	prporated?   Yes   5   No   SE C (Ship	All other cases 2 (Skip to 26)
23D. What were's most important a sells cars, operates printing press, fi	ctivities or duties at this job? (For	example: types, keeps account ba	oks, files, Working WITHOUT P.	prporated? Yes	All other cases 2 (Skip to 26)
23D. What were's most important a selfs cars, operates printing press, fi	ctivities or duties at this job? (For	example: types, keeps account ba	oks, files, Working WITHOUT P.	prporated?   Yes   5   No   SE C (Ship	All other cases I (Skip to 26)

1BA.	18B. RELATIONSHIP TO REFERENCE PER	SON	18C.	18D.	18E, MARITAL	18F.	18G1. SEX	18H. HIGHES	τ		
LINE	Ref. Person WITH rel, in Hilling		PARS	AGE	STATUS	SPOUSETS	Male 3 /	GRADE	18I. GRADE	T	
NO.	Ref, person with NO rel. in Hihld		LINE		Married —	LINE	Female & 17	ATTENI	COMPLETED	18J. RACE	18K.
	Husbang ,		NO.	_	spouse present	NUMBER				White	UHIGIN
	Wile					2.3	18G2. VETERAN STATUS		Yes _	Black	
4.0	Natural/Adopted Child		1 1		Married spouse	= :	Veteran "7"		No -		ā á
1 1 1	Step Child		3.3	3 3	absent	3 3		1 1	,,,,	Amer Indian,	3 3 1
1 .	Parent		1 1	12.	(Exclude separated) =	3 3	Vietnam Era 🗋 Korean War	-		Aleut, Eskimo 🗓	
3	Brother/Sister		-	3.3		1	World War II			Asian or	
1	Other Rel. of Ref. Person		-	3 3	Widowed 2	1	World War I	-		Pacific Isl	5
	Foster Child	ti S	1 3	2.7	Divorced	1 3	Other Service			Other	
	Non-rel, at Ref. Person			9.9	Separated 5	÷		2			
	WITH OWN rel in Hihld		€	3.5	Never married 5	5,	Norweteran	3		<b>.</b>	Ī
<b>_</b> '	Partner/Roommate	13 C	None			None	' <u> </u>		ı		1
=	roommate) with NO OWN rei, in H'hid		-			1 -					
26 CHE	CKITEM		1		1		l .	<del></del>			L
	nscribe from control card item 18)			rge full-tin	ne or part-time?	42. In what i	salandar year did complete	high school? 5	O. CHECK ITEM		i
	is Derson is		uli time 🗦				<u>9</u>			'in item 30 📱 (ASK	51)
	5-24 years of age (Ash 26A)	P	art time			1988	or before - C		All others	I (GO )	O 52)
		34. In this a 1	two-year coi	lege or a f	our-year college	43, Did i	complete high school by means	of E	1. Does directly	use a computer at schoo	12
26A.(I/	'School' in 19, Verily) LAST WEEK was	ar unive		•	· · ·		elency test, such as the GED?		Yes D		"
	ending or enrolled in a high school, college, or iversity? (Mark "Yes" if currently on holiday or \	2.04	r college				Yes C		No 3		
	sonal vecation. Mark "No "for summer vecation).		ommunity o	er junior c	oflege) 5		No C	<u> </u>			
'	Yes 🧧 (Verify) y No 🗢 (Skip to 26C)	4-yea	er college or	university	2			. –	2. CHECK ITEM	_	
	,	<b>20</b>					his next set of questions has to	,			-
	High School ! (Ask 268)	ľ			college (21–26 in		rect or hands on use of compu	1	Entry of "Yes"	in item 44 🗓 /ASK	53)
	College or Univ. (4sh 268)	,	sead the par		phrases. Inus and) on the job		uters may be personal or home ters, or mainframe computers,	computers,			
268. is .	enrolled in school as a full-time			-	nes, vocational,		uers, or mainimante composava. Tons do not refer to hand-held (	elculator	All others	C (GD )	10 56)
	part-time student?			•	correspondence	-	etronic video games, or system		3. Does directly	use a computer at home	,
	Full time _   (Fill 26C)	courses?			•	-	typewriter-like keyboard.			(A5K 54)	'
ŀ	Part time 🖒 117 massy		Yes 3							(GO TO 56)	
26C. CH	IECK ITEM		No 3			ASK IT	EMS 44, 45, and 46 ONCE OF .	FIRST		- 100 10 30)	
WI	no responded to the labor force items	36. Was	attending or	enrolled	in a regular school		NDENT IN HOUSEHOLD. TRA			es use the computer	
for	r this person?		-		hat is , October	ı	TLY FOR FOLLOWING RESPO	INDENTS		RD B. MARK ALL THA	T APPLY)
	Self ⊕ }	of last y	ear?			ANUO	EGIN WITH ITEM 47.		Word processing	-	
	Other C (——		Yes ∵	(ASK)	7)	44. Is there	computer in this household?			ords/linances	
	Self/Other 2 1 💉		No J	(SKIP 1	TO 38)	14. 15 2.6.6	Yes G (ASK 45)		School assignm		
REMINI	DER: ASK THE LABOR FORCE QUESTIONS	37 What am	ide or uses i		tendine les		No G (FILL 47)		Connect to con	nputer ricat home . ,	
	L HOUSEHOLD MEMBERS 15+ YEARS OLD	ar. Winds gra	-		tending lest yearr				Home-based bu		
	E ASKING THE SUPPLEMENT QUESTIONS	]		entary		45, in what	year was the computer purchas	⊯d?			
	SUPPLEMENT QUESTIONS		1 2 3 4	5 6 7	8	1989		1		hing/newsletters C	
42020	VED, O.M.B. NO. 0607-0464 EXPIRES 12-31-89		2 2 2 2	200	C	1988	_	1		the computer 1	
			High	School		1987					
	ECK ITEM			11 12		1986	○ Don't Know ○				
Sch	ool enrollment status (Transcribe from 26a)					46. Which o	t the following items does this	computer	Graphics Games	- <del>-</del>	- 1
	YS : \(\(\frac{1}{2}\)(\(\nu \) \(\nu \)(\(\nu \))					have? (A	EAD LIST - MARK ALL THA	T APPLY)	Telemarketing		
	No : (1 ASK 30)		_	llege		Flogg	y disk oriva 🗎 Color r	nonitor :			
	DIGHE - (A3K 30)		21 22 23	3 24 2	5 26	Hard	disk drive Dot ma	HT/IX	Electronic mail		
30. ls	. attending or enrolled in regular school?	ĺ	2 2 3	. : :	5			ter., . 1	Other,		
	Yes _ (ASK 31)	38. CHECK	ITEM				printer Platter.		Dan't know	2	
1	No 🗀 (SKIP to 35)	Ju. 5712.5A				Joyst		now, .	5. During the last m	onth, on everage how m	anu deve
31 (-	enrolled in public or private school?	Entr	y of "1—12"	'ın item 3	2 : (GO TO 44)		ouse control :			use the computer at hor	
*** '**	Public C				0 /511 - 551	47. CHECK			7 days 🗆		
1	Private C	Allo	101973		🤼 (FILL 39)	1	Entry or NA in Item 20A or Item 21B - C	(45F 42)	6 days		-
							All others		5 days 🔅	Once a week	٠.
32. Wha	rt grade or year is attending?	39. CHECK	ITEM					100 10 307	4 days	Not used	
	Elementary	Ag	e 1524	(FILL -	(0)	48. Does	, directly use a computer at wo	rk?	3 days	in last mont	tn
	1 2 3 4 5 6 7 8		Age 25+ .	(G0 T0	(44)		Yes 🔾 📠	i_	2 days 1	Don't know	
		40. CHECK	ITEM		·	1	No C		6. CHECK ITEM	<u> </u>	
	High School		School Gra	duare (eo	rries 🖀	49 41	, what does use the compu	ter for?	Who reported for	this person?	
1	9 10 11 12 (GO TO 36)		1 "12" and				FLASHCARD A. MARK ALL T		S	lelf,	
1	)		3a and 23b			Word		3is ,		arent	
1	•		21-26" in 0					sheets		pouse	
]	College	Not	High School	graduate	T (ASK 41)	Comp	outer-assisted Sales			ther relative 5	
1	21 22 23 24 25 26	41. In what	salender ver	r did	lest attend regular	I	sign (CADI Game	s 🗓 📘		ionrelative .	
		school?				1	ropic mail	ing `			
	(If entry in 26b	1989.				1	tory control . Graph	ics	lf this is the last now-	en 15 + veners of one in th	ha
SKI	IP TO item 34, OTHERWISE, ask item 33)		or before	(GO 7	ro 43)	Progr	amming 5			n 15+ years of age in the piete items 57-65 as appi	
		Never	attended ;	: 1		Desk	top publishing/		for any children 0–14		
								know	,		
1		1				1					

18. LINE NUMBER	20. Did do any work at all	21. (If ) in 19, skip to 21A.)	22. (If LK in 19, Skip to 22A.)	24.CHECK ITEM	
i	LAST WEEK, not counting	Did have a job or	Has been looking for work	(Rotation number)	25. CHECK ITEM
19. What was doing most	work around the house?	business from which he/she	during the past 4 weeks?	First digit of SEGMENT number u:	(Rotation number)
of LAST WEEK -	(Note: If farm or business	was temporarily absent or	Yes 1 No 1 (Go to 24)	1, 2, 3, 5, 6 or 7 (Skip to 26)	First digit of SEGMENT
Working	operator in hh., ask about	on layoff LAST WEEK?	22A. What has been doing in the las	1 4 or 8 (Go to 24A)	number is:
Keeping house	unpaid work.)	Yes ( No ( (Ga to 22)	4 weeks to find work? (Mark all	24A. When did last work for pay at a	1, 2, 3, 5, 6 or 7 (Skip to 26)
Going to school	Yes C No ∴ (Go to 21)	/	methods used; do not read fist.)	regular job or business, either full- or	4 or 8 (Go to 25A)
or something alse?	20A. How many hours 2.0	21A, Why was absent from	Checked pub. employ, agency	part-time?	<del></del>
		work LAST WEEK?	with- pvt. employ, agency	Within past 12 months C 3	-25A. How many hours
Working (Skip to 20A) WK	LARE WEEK	Own illness	employer directly 🕽	1 up to 2 years ago	per week does
With a job but not at work J	at eli jobs?	Own Iliness	friends or relatives	2 up to 3 years ago \(\(\text{(Go to 248)}\)	USUALLY
Lacking for work LK		On vacation, ,	Placed or answered ads	3 up to 4 years ago \	work at this job?
Keeping house	208. CHECK ITEM 5	On vacation, , .	Nothing (Skip to 24)	4 up to 5 years ago	·
Unable to work (Skip to 24)U	1 3 6	Bad weather	Other (Specify in notes, e.g.,	5 or more years and 11	
RetiredR	49 CShip to 3.3	200 1700 11127 111771	/TPA, union or prof. register, etc.).	Never worked (Skip to	[ ]
Other (Specify)OT	item 23)	Labor dispute		1707	_ 1
*	1-34 5 /Go to 5 5		22B. At the time started looking		
•	20C)	New job to begin (Skip to	for work, was it because he/sh	: CEROLIES, MARTINY	
	35-48 (Go to 200)	within 30 days 3 228 and	lost or quit a job or was there	(Incl. pregnancy) or school	
	<del></del> /	22C2)	some other reason?	Health	25B. Ispaid by the hour
	20D. Did loss any time or	Temporary layoff	Lost job		on this job?
	take any time off LAST	(Under 30 days)	• Quit job	Retirement or old age	Yes ( (Go to 25C)
	WEEK for any reason	Indefinite layoff /(Skip	Left school     Wanted temporary work.	Seasonal job completed	No C (Skip to 25D)
<del></del>	such as illness, holiday	(30 days or more to		Slack work or business conditions	
20C. Does USUALLY work 35	or plack work?	or no del. recali (22C3)	or family responsibilities		25C. How much Dollars Cents
hours or more a week at this job?	Yes C How many hours		Left military service	Temporary nonseasonal job completed	<b>dom</b> ⊝∈ ∈ ⊝
	did take off?	Other (Specify) C	Other (Specify in motes)	Unsatisfactory work	<b>***</b> ***
Yes What is the reason	,	`	- Coperation in the control of	arrangements (Hours, pay, etc.)	per hour?
worked less than			22C. 1) How many weeks 💢 🚊 🥫	Other	1.1.2.3
35 hours LAST WEEK	(Correct 20A if lost time	216. is receiving wages	hasbeen looking	24C. Does want a regular job now.	1
No. of the control of	not already deducted;	or salary from his/her	for work?		S   6   1   1   1   1   1   1   1   1   1
No : What is the reason	If 20A reduced below 35,	employer for any of the		Yes 2 160 - 2401	
USUALLY works	correct 20B and fill 20C)	time off LAST WEEK?	2) How many weeks ago e, e.	Maybe – it depends (Go to 24D)	
less than 35 hours		V	did start looking 🚊 🚊	(Specify in notes)	_ : : : : : : : : : : : : : : : : : : :
e week?	No 🗆 💳	Yes C	for work? G G	No	■ '* 5 € €
(Mark the appropriate reason)		No 1	2.7	DON'T KNOW	(Ask 25D) REF 🗇
Slack work	20E. Did work any overtime	'	3) How many weeks ago		
SIBLE WOLK	or at more than one job		wasleid off? g g	looking for work? (Mark <u>each</u> reason mentioned)	25D. How much does
Material shortage	LAST WEEK?	21C. Does usually work	220. Has been looking for full-tim		USUALLY
Plant or machine repair C	Yes O How many extra	35 hours or more a week	or part-time work?	Betteves no work     available in time of work or area	sam per week
	hours didwork	at this job?	Full C Part C	Couldn't find any work	BEFORE 1 2 2
New job started during week C	· · · · · · · · · · · · · · · · · · ·	Yes 5		<b>-</b>	deduction/? 3.3.3
		Yes 3	22E. Could have taken a job LA	Lacks nec. schooling,	deductions?
Job terminated during week C	(Correct 20A and 20B as	Yes 5 No 5		Lacks nec. schooling, training, skills or experience	deductions? 3.3.3.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
	necessary if extra hours		22E. Could have taken a job LA	Lacks nec, schooling,     training, skills or experience     Employers	deductions? 3.3.3.3.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Job terminated during week C	necessary if extra hours not diready included and	No C	22E. Could have taken a job LAI WEEK If one had been offered Yes O No O Why not?	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Job terminated during week C Could find only part-time work C Holiday (Legal or religious)	necessary if extra hours	No (	22E. Could have taken a job LAI WEEK If one had been offered Yes O No O Why not? Alreedy has a job	Lacks nec. schooling,     training, skills or experience     Employers     think too young or too old	deductions? 3.3.3.4.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
Job terminated during week	necessary if extra hours not diready included and	No C	22E. Could have taken a job LA: WEEK If one had been offered Yes No Why not? Alreedy has a job	Lacks nec. schooling,     training, skills or experience     Employers     think too young or too old	deductions? 3.3.3.3.3.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Job terminated during week C Could find anly part-time work C Holiday (Legal or religious)	necessary if extra hours not already included and skip to 23.)	No (	22E. Could have taken a job LAI WEEK If one had been offered Yes O No O Why not? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 3.3.3.4.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
Job terminated during week	necessary if extra hours not diready included and skip to 23.) No	No C  (Skip to 23 and enter job held last week)	22E. Could have taken a job LA: WEEK If one had been offered Yes No Why not? Alreedy has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? A 3 3 3 4 1 include any a 4 4 4 include any a 5 5 5 5 include any a 5 5 5 include any a 5 5 5 include any a 5 5 5 include any a 5 5 5 include any a 5 5 5 include any a 5 5 5 include any a 5 5 include any a 5 5 include any a 5 5 include any a 5 5 include any a 5 include any
Job terminated during week	necessary if extra hours not elready included and skip to 23.) No : (Skip to 23)  O INDUSTRY	No (	22E. Could have taken a job LA: WEEK If one had been offered Yes O No O Why not? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 4.2.5. Include any 5.5.5 overtime pay, 5.5.5 overtime
Job terminated during week	necessary if extra hours not already included and skip to 23.)  No : (Skip to 23)  O INDUSTRY  F C C C	No C  (Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Whynot? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 3.3.3.3.1 Include any 5.2.5 include
Job terminated during week	necessary if extra hours not already included and skip to 23.]  No C (Skip to 23)  O INDUSTRY  F C C C	No C  (Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks net schooling, training, skills or experience	deductions? 3.3.3.4. Include any committee pay, com
Job terminated during week. C Could find only part-time work C Holiday (Legal or neligious). C Bad weather. C Own illness. C To obusy with housework, school personal bus, etc. C	necessary if extra hours not diready included and skip to 23.]  No 0 (Skip to 23)  O INDUSTRY  F 0 0 0  L 1 1 1  C 2 2 2	No C  (Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 3.3.3.4. Include any continue pay, commissions, or tips usually received. 5.5.3.5.3.5.3.5.3.5.3.5.3.5.3.5.3.5.3.
Job terminated during week	necessary if extra hours not already included and skip to 23.)  No C (Skip to 23)  O INDUSTRY  F C C C  I C C C  E C C C  E C C C  E C C C C  E C C C C	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK If one had been offered Yes O No O Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Job terminated during week	necessary if extra hours not already included and skip to 23.)  No C (Skip to 23)  O INDUSTRY  F C C C  I C C C  E C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C  I C C C	No C  (Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience Employers think too young or too old.  Other pers. handicap in finding job Can't arrange child care Family responsibilities. In school or other training Il health, physical disability. Other (Specify in notes).	deductions? 3.3.3.4. Include any continue pay, commissions, or tips usually received. 5.5.3.5.3.5.3.5.3.5.3.5.3.5.3.5.3.5.3.
Job terminated during week. C Could find only part-time work. C Holiday (Legal or nellajous)	necessary if extra hours not already included and ship to 23.)  No 0 (Skip to 23)  O INDUSTRY  F 0 0 0 0  I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? 3.3.3.4. Include any continue pay, commissions, or tips usually received. 5.5.2. REF 5.2. AREF
Job terminated during week	necessary if extra hours not diready included and skip to 23.]  No 0 (Skip to 23)  O INDUSTRY  F 0 0 0  L 1 1 1  C 2 2 2  C 3 3  U 4 4  S 5 5  E 5 5  E 5 5	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience  Employers think too young or too old	deductions? Include any continue pay, commissions, or tips usually commissions, or tips usually commissions.  S REF 1  26E. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5klp to 26) No 1 (Ask 25F)  25F. On this job, is covered
Job terminated during week. C Could find only part-time work. C Holiday (Legal or nellajous)	necessary if extra hours not already included and skip to 23.)  No C (Skip to 23)  O INDUSTRY  F C C C  I C I C  C C C  C C C C  C C C  C C C  C C C  C C C  C C C  C C C  C C C  C C C C  C C C	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? 3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.
Job terminated during week. C Could find only part-time work. C Holiday (Legal or nellajous)	necessary if extra hours not already included and skip to 23.)  No 0 (Skip to 23)  O INDUSTRY  F 0 0 0  I 2 1 1  C 2 2 2 2  S 0 5  C 0 7  No 0	(Skip to 23 and enter job held loss week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually commissions, or tips usually commissions.  S REF 1  26E. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5klp to 26) No 1 (Ask 25F)  25F. On this job, is covered
Job terminated during week. C Could find only part-time work. C Holiday (Legal or nellajous)	necessary if extra hours not already included and ship to 23.]  No 0	Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec schooling, training, skills or experience Employers think too young or too old	deductions? Include any care include any care include any care include any care include any commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ale 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Commission contract)
Job terminated during week. C Could find only part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vacation. C Too busy with housework, school personal bus, etc. C Did not want full-time work. C Full-time work week under 36 hours. C Other reason (Specify). C	necessary if extra hours not already included and skip to 23.)  No 0 (Skip to 23)  O INDUSTRY  F 0 0 0  I 2 1 1  C 2 2 2 2  S 0 5  C 0 7  No 0	Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks net schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually commissions, or tips usually commissions.  S REF 1  26E. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5klp to 26) No 1 (Ask 25F)  25F. On this job, is covered by a union or employee association contract?
Job terminated during week. C Could find anly part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vacation. C Too busy with housework, school, personal bus, etc. C Did not went full-time work. C Full-time work week under 36 hours. C Dither reason (Specify). C (Ship to 23 and enter job worked or less week)	necessary if extra hours not already included and skip to 23.)  No C (Skip to 23)  O INDUSTRY  F C C C  I C I C  I C  I C I C  I	Skip to 23 and enter job held last week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? Include any care include any care include any care include any care include any commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ale 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Commission contract)
Job terminated during week. C Could find anily part-time work C Holiday (Legal or religious)	necessary if extra hours not already included and skip to 23.)  No (Skip to 23)  O INDUSTRY  F	Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks net schooling, training, skills or experience	deductions? Include any care include any care include any care include any care include any commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ale 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Commission contract)
Job terminated during week. C Could find anly part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vacation. C Too busy with housework, school, personal bus, etc. C Did not went full-time work. C Full-time work week under 36 hours. C Dither reason (Specify). C (Ship to 23 and enter job worked or less week)	necessary if extra hours not already included and skip to 23.)  No (Skip to 23)  O INDUSTRY  F	Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks net schooling, training, skills or experience	deductions? Include any care include any care include any care include any care include any commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ale 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Commission contract)
Job terminated during week. C Could find anily part-time work C Holiday (Legal or religious)	necessary if extra hours not already included and skip to 23.)  No (Skip to 23)  O INDUSTRY  F	Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK If one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  26E. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5kip to 26)  No 1 (Ask 25F)  25F. On this job, is covered by a union or employee association contract?  Yes C ((Go to 26))
Job terminated during week. C Could find only part-time work C Holiday (Legal or religious)	necessary if extra hours not already included and ship to 23.)  No	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LA WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling. Training, skills or experience Employers Think too young or too old  Other pers. handicap in finding job Can't arrange child care Family responsibilities. In school or other training Ill health, physical disability. Other (Specify in notes) Don't know Lake Does intend to look for work of any kind in the next 12 months? Yes It depends (Specify in notes) No Don't know. (If entry in 248, describe job in 23, otherwise, skip to 26)	deductions? Include any care include any care include any care include any care included any care included and commissions, or tips usually received.  S REF 1  26E. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5kip to 26)  No C (Ask 25F)  25F. On this job, is covered by a union or employee association contract?  Yes C (1/Go to 26)
Job terminated during week. C Could find only part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vecation. C Too busy with housework, school, personal bus, etc. C Did not went full-time work. C Full-time work week under 35 hours. C Other reason (Specify). C (Skip to 23 and enter job worked of last week)  23. DESCRIPTION OF JOB OR BUS	necessary if extra hours not already included and ship to 23.)  No	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK If one had been offered Yes No Why not? Already has a job	Lacks nec. schooling.  Training, skills or experience  Employers think too young or too old  Other pers. handicap in finding job  Can't arrange child care  Family responsibilities.  In school or other training  Il health, physical disability.  Other (Specify in notes)  Don't know  Z4E. Does intand to look for work of any kind in the nort 12 months?  Yes.  It depends (Specify in notes)  No  Don't know.  (If entry in 248, describe job in 23, otherwise, skip to 26)	deductions? Include any care include any care include any care include any care include any commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (5klp to 26)  No C (Alb 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Go to 26)
Job terminated during week. C Could find only part-time work C Holiday (Legal or neligious)	necessary if extra hours not already included and ship to 23.)  No	(Skip to 23 and enter job held last week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LA WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 25)  No C (Ash 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Go to 26)
Job terminated during week. Could find only part-time work Choliday (Legal or neligious). Chabor dispute. Chab	necessary if extra hours not already included and ship to 23.)  No 1	(Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling. Training, skills or experience Employers Think too young or too old  Other pers. handicap in finding job Can't arrange child care Family responsibilities. In school or other training Ill health, physical disability. Other (Specify in notes)  Other (Specify in notes)  Yes It depends (Specify in notes) Yes It depends (Specify in notes)  Yes On't know. (If entry in 248, describe job in 23, otherwise, skip to 26)  RIVATE Co, If or wages, salary or comm. P	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  2BE. On this job, is a member of a labor union or of an employee association similar to a union?  Yes C (5kip to 26)  No 1 (Ask 25F)  25F. On this job, is covered by a union or employee association contract?  Yes C (Go to 26)  23F. CHECK ITEM  Entry (or NA) in item 20A (Go to 25)
Job terminated during week. C Could find only part-time work C Holiday (Legal or religious)	necessary if extra hours not already included and ship to 23.)  No 1	(Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks net. schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 25)  No C (Ash 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Go to 26)
Job terminated during week. C Could find anly part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vacation. C Too busy with housework, school personal bus, etc. C Did not want full-time work. C Full-time work week under 36 hours. C Other reason (Specify). C (Skip to 23 and enter job worked at last week)  23. DESCRIPTION OF JOB OR BUS 23A. For whom did work? (Name)	necessary if extra hours not already included and ship to 23.)  No 1	(Skip to 23 and enter job held lost week)	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not?  Already has a job	Lacks nec. schooling.  Training, skills or experience  Employers think too young or too old  Other pers. handicap in finding job  Can't arrange child care  Family responsibilities.  In school or other training  Il health, physical disability.  Other (Specify in notes)  Don't know  Z4E. Does intand to look for work of any kind in the next 12 months?  Yes.  It depends (Specify in notes)  No  Don't know.  (If entry in 248, describe job in 23, otherwise, skip to 26)  RIVATE Co. all for wages, salary or comm. P  Internet employee.  S C (Go to 23F)  ent employee.  S C 23F  ent employee.	deductions? Include any commissions, or tips usually received.  S REF C  25E. On this job, is a member of a labor union or of an employee seacciation similar to a union?  Yes C (5klp to 25)  No C (Ash 25F)  25F. On this job, is covered by a union or employee association contract?  Yes C (For to 26)  23F. CHECK ITEM  Entry (or NA) In item 20A (Go to 25)  [Go to 25]  [Go to 25]  [Go to 25]  [Go to 25]
Job terminated during week. Could find anly part-time work Choliday (Legal or religious). Chabor dispute. Choliday (Legal or religious). Choliday (Legal or religious). Choliday (Legal or religious). Choliday (Legal or religious). Choliday (Choliday Choliday). Choliday (Choliday Choliday). Choliday (Choliday Choliday). Choliday (Choliday). Chol	necessary if extra hours not already included and skip to 23.)  No (Skip to 23)  O INDUSTRY  F	(Skip to 23 and enter job held lost week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LA:  WEEK If one had been offered  Yes No Why not?  Already has a job	Lacks nec. schooling.  Training, skills or experience  Employers think too young or too old  Other pers. handicap in finding job  Can't arrange child care  Family responsibilities.  In school or other training  Il health, physical disability.  Other (Specify in notes)  Don't know  Z4E. Does intand to look for work of any kind in the next 12 months?  Yes.  It depends (Specify in notes)  No  Don't know.  (If entry in 248, describe job in 23, otherwise, skip to 26)  RIVATE Co. all for wages, salary or comm. P  Internet employee.  S C (Go to 23F)  ent employee.  S C 23F  ent employee.	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ask 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Fo to 26)  23F. CHECK ITEM  Entry (or NA) In item 20A (Go to 25)  (Go to 25)  Entry (or NA)
Job terminated during week. Could find only part-time work. Chould find only part-time work. Choliday (Legal or neligious). Chabor dispute. Ch	necessary if extra hours not already included and skip to 23.)  No	(Skip to 23 and enter job held lost week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LA:  WEEK If one had been offered  Yes No Why not?  Already has a job	Lacks nec. schooling, training, skills or experience	deductions? Include any continue pay, commissions, or tips usually received.  S REF 1  25E. On this job, is a member of a labor union or of an employee smociation similar to a union?  Yes C (Skip to 26)  No C (Ask 25F)  25F. On this job, is covered by a union or employee amociation contract?  Yes C (Fo to 26)  23F. CHECK ITEM  Entry (or NA) In item 20A (Go to 25)  (Go to 25)  Entry (or NA)
Job terminated during week. Could find only part-time work Choliday (Legal or religious). Chapter dispute. Chapter dispute. Choliday (Legal or religious). Chapter dispute. Choliday (Legal or religious). Choliday (Legal or religious). Choliday with housework, school personal bus, etc. Children work week under 30 hours. Children work week 123. DESCRIPTION OF JOB OR BUS 23A. For whom did work? (Name 23B. What kind of business or industrials).	necessary if extra hours not already included and skip to 23.)  No	(Skip to 23 and enter job held lost week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK If one had been offered Yes No Why not? Already has a job	Lacks nec. schooling.  Training, skills or experience  Employers think too young or too old  Other pers. handicap in finding job  Can't arrange child care  Family responsibilities.  In school or other training  Il health, physical disability.  Other (Specify in notes)  Don't know  Z4E. Does intand to look for work of any kind in the next 12 months?  Yes.  It depends (Specify in notes)  No  Don't know.  (If entry in 248, describe job in 23, otherwise, skip to 26)  RIVATE Co. all for wages, salary or comm. P  Internet employee.  S C (Go to 23F)  ent employee.  S C 23F  ent employee.	deductions?   3 3 3 3 5   Include any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5 5   Overhead any   5 5 5 5 5 5   Overhead any   5 5 5 5 5 5 5 5   Overhead any   5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Job terminated during week. C Could find only part-time work C Holiday (Legal or religious). C Labor dispute. C Bad weather. C Own illness. C On vacation. C Too busy with housework, school personal bus, etc. C Did not want full-time work. C Full-time work week under 36 hours. C Other reason (Specify). C (Ship to 23 and enter job worked or last week) 23. DESCRIPTION OF JOB OR BUS 23A. For whom did work? (Name 23B. What kind of business or industrials). C C C C C C C C C C C C C C C C C C C	necessary if extra hours not already included and skip to 23.)  No	(Skip to 23 and enter job held lost week)  OCCUPATION  C C C C C C C C C C C C C C C C C C C	22E. Could have taken a job LAI WEEK if one had been offered Yes No Why not? Already has a job	Lacks nec. schooling, training, skills or experience	deductions?   3 3 3 3 5   Include any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5   Overhead any   5 5 5 5 5   Overhead any   5 5 5 5 5 5   Overhead any   5 5 5 5 5 5 5 5   Overhead any   5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

18A.	188. RELATIONSHIP TO REFERENCE PE		1.00	T	T	<del></del>	<del>-</del>	<del>-</del>				
LINE			18C. PAR'S	18D.	18E. MARITAL	18F.	18G1. \$EX	18H. HIGH		)		
NO.	Ref. Person WITH rei, in Hibld		LINE	AGE	STATUS	SPOUSE'S	Male _ /	GRAD		IBI. GRADE	18J. RACE	100
1	Ref. person with NO ref. in H'hld		NO.		Married—	LINE	Female c 17	ATTE	NDED	COMPLETED		18K.
. ,	Husband			<b>-</b> .	spouse present	NUMBER		-		55 66165	White	ORIGIN
1::	Wile		2.3	1 . :	Ī	2.3	18G2. VETERAN STATUS		.	Yes :		1 2 3
2 3			1	1 3 3	Married – spouse	‡ ±	Veteran 🥝				Black	: :
3.2	Step Child		3 5	3 3	absent	5 5	,	1 5 6		No ≠	Amer, Indian.	8 8
1 1 1	Grandchild		3.3	3.3	(Exclude	3 3	Vietnam Era	1 :	: [		Aleut, Eskima	3 3
1 :	Parent		5-	** **	Separated) &		Korean War	-	- [		, weat, Eaking	÷
-	Brother/Sister		=		Widowed 3	5	World War II 3	1 -	.		Asian or	5
1	Other Rei of Ref. Person		:	3 3	Divorced		World War J 1-				Pacific Isl	3
1 1	Foster Child	11 =	2	2.2	Separated 5		Other Service 👵	- :	.		Other51	1 7
1 :	Non-rel, of Ref, Person		1 :	31 ÷	1	-	1	;	.		Other	† ÷
,	WITH OWN rel. in H'hid		1	8.3	Never	6.	Nonveteran					3
_	Partner/floommate	13 ∈	None		married a	None	l	1 .	- 1		_	!
	Non-rel, of Ref. Person (other than partn roommate) with NO OWN rel, in Hihld		1			1.5					}	
26 CHE	CK ITEM				<u> </u>	,			ı	_	i	İ
	riscribe from control card item 18)	33. Is atto	ending calls	ge full-tim	ne or pert-time?	42. In what o	celendar year did complete	high school?	50. ÇH	ECK ITEM		<del></del>
	is person is	. Fi	uli time 🔔					İ			in item 30 I (ASK	
	6-24 years of age 🤳 (Ask 26A)	Pa	irt time 🔔				or before	!				
/	All others (Skip to 26C)					-				An utilets		0 32)
26A. (1)	'School' in 19, Verify) LAST WEEK was			lege or a f	our-year college	43. Did t	complete high school by means	s o1	51. Do	es directly (	ase a computer at school	-i2
att	tending or enrolled in a high school, college or	or univen	ŬΤΫ́		_	an equiv	alency test, such as the GED?					
un	iversity? (Mark "Yes" if currently on holiday or	2-year	college			!	Yes C			Yes ≎ No ≎		
540	manal vacation. Mark "No "for summer vacation).	(co	mmunity o	r juntor co	ollege) [		No C	Į				
i	Yes C (Verify) No C (Skip to 26C)		college or			<del></del> -			52. CH	ECK ITEM		
i	7					LEAD IN: T	his next set of questions has to	000				
}	High School	35. NOTE: F	o <i>r person</i> s e	nrolled in a	college (21–26 in	with's di	rect or hands on use of compu	iters.		Enne of "Vari		
}	College or Univ. 2 1 (Apr 200)	item 32) i	read the part	inthetical	phreses.		uters may be personal or home			entry of Yes.	in Item 44 👵 (ASK	53)
-					rams and on the job		ters, or mainframe computers.			111 ask		
200.15.	enrolled in school as a full-time part-time student?	training, i	isuking	any busi	ness, vocational,	These questing	ons do not refer to hand-held o	calculators		— un others	🤉 (GO 1	TO 56)
1	Full tyme	technical	, <b>secret</b> arial	trade or	correspondence	or garnes, ele	ictronic video games, or system	ns which	53. Do	es directly u	ne a computer at home	,
	Part time (Fill 26C)	courses?					typewriter-like keyboard.					r
	TOTAL CALLED		Ye.								(ASK 54)	
26C. CH	IECK ITEM		No 1			ASK IT	EMS 44, 45, and 46 ONCE OF 1	FIRST		NO J	(GO TO 56)	
W	to responded to the labor force items	36. Was a	mending or	encollect i	n a regular school	RESPON	NDENT IN HOUSEHOLD, TRA	NSCRIBE	54. At	home what doe	t use the computer	foe?
	this person?				at is , October	DIRECT	TLY FOR FOLLOWING RESPO	NOENTS			O B. MARK ALL THA	
	Self C 』	of test ye		,, u.	ar is , octoper	AND BE	EGIN WITH ITEM 47.	i				i Arrei)
	Other C. ——					<u> </u>	<del> </del>			Word processing		
	Self/Other S \			(ASK 3)		44. Is there a	computer in this household?			Household reco		
				(SKIP To	•		Yes C (ASK 45)			School assignme		
REMINO	DER: ASK THE LABOR FORCE QUESTIONS	37. What grad	in or year w	ns 177	nding (m) year?	1	No 3 (FILL 47)		(	Connect to com		
FOR AL	L HOUSEHOLD MEMBERS 15+ YEARS OLD				urgun Apett		140 € (772247)			at work/wor		
	E ASKING THE SUPPLEMENT QUESTIONS	l	eme	mtary		45. In what y	year was the computer purchas	ed?		Home-based bus		
$\vdash -$		}	1234	567	8	1989	C 1985 E	i		Bulletin boards.		
40000	SUPPLEMENT QUESTIONS	1	1000	2 0 0	2	1988				Desktop publish		
APPRO	VED, O.M.B. NO. 0607-0464 EXPIRES 12-31-89	ŀ				1987				Learning to use: Spread sheets		
29. CHE	CK ITEM		High S				Don't Know			Programming .		
Scho	pol enrollment status (Transcribe from 26a)		9 10	11 12	_					Gr <b>ac</b> hics.		
	Yes		2 1	:		46. Which of	the following items does this i	computer		Garnes		
	No (VERIFY 30)		· ·			have? (R)	EAD LIST - MARK ALL THA	T APPLY)		Telemarketing	*** ;	
	Blank (ASK 30)	_	<u>Col</u>			Fioppy	vidiski drive 📋 Edior m	nonitor :				
		2	1 22 23	24 25	26	Hardid	isk drive Dot ma	ITO			.,	
30. li , ,	, attending or enrolled in regular school?		1 1 1		j.		none modem 3 print				· · · · · · · · · · · · · · · · · · ·	
ļ	Yes , (ASK 31)	20 01/50/5				Laser p	orinter Plotter			Don't know		
	No .: (SKIP to 35)	38. CHECK 1	IEM			Joystic						
		Entry	of "1-12"	in Item 32	: (GO TO 44)	moi	use control		55. Du	ring the last mo	nth, on average how ma	iny days
31.14	, enrolled in public or private school?				(30 10 44)	47 00000	****		per	week did u	se the computer at hom	107
	Public ::	All of	ners		(FILL 39)	47. CHECK !				7 days 💄	1 day	
	Private 7				1//2007/	,	Entry of NA in	(4 S W 4 D)		6 days	Less than	•
<del></del>	···					} .	item 20A or item 21B 👙 🔋			5 days 😅	once a week	
32. What	t grade or year is attending?	39. CHECK 11	TEM				All others	100 10 30)		4 days 👈	Not used	-
	Elementary	Age	15-24	IFILL 40	2)	48. Does	directly use a computer at wor	rk?		3 days _	in last month	h .
	1 2 3 4 5 6 7 8	ı	ge 25+	160 TO	•		Yes .	ì		2 days	Don't know	
		<del></del>			<u> </u>		No 3	-				
	4	40. CHECK IT			_					ECK ITEM		
	High School (GO TO 36)		chool Grad				what does , use the comput		Wh	o reported for t	his person?	
	9 10 11 12		"12" and "\				LASHCARD A. MARK ALL TH			Se	f	
	. 1		and 23b 0				processing I Analys	i		Pa	rent.,	
	_				) (SKIP TO 42)			sheets .		Sp	ouse	
ł	College	Not Hi	ign School g	yaduate.	I (ASK41)	Compu	iter-assisted Cole	316613		Ot	ner relative 😅	
	21 22 23 24 25 26	41 In what	imple:	did 1	ist attend regular		ign (CAD)				nrelative	
		school?	umambi Addi	aro ii	ar ettema reguler		er/scheduling . Loudice	-	_		<del></del>	
						Electro	nnic mail. Graphi					
	(If entry in 26b	1989		1			ory control Graphi		If this is	s the last nerve	15+ years of age in the h	toursk-14
SKIF	TO item 34, OTHERWISE, ask item 33)	1988 or		(GO TO	143)	Prograi	mming Databa				tte items 57–65 as applie	
1		Never at	isnded ]	'			po publishing/ Instruc			children 0-14 y		.=475,
1								5				
	<u> </u>					Comm	unications 🗎 Don't l	know.				

## Detailed Industry Classification Codes

(Numbers in parentheses are the 1972 SIC code equivalent; see Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1972 and the 1977 Supplement. "Pt" means part; "n.e.c." means not elsewhere classified.)

Code	Industries
000-009	not used
010-031	AGRICULTURE, FORESTRY, AND FISHERIES
010	Agricultural production, crops (01)
011	Agricultural production, livestock (02)
012-019	not used
020	Agricultural services, except horticultural (07, except 078)
021	Horticultural services (078)
022-029	not used
030 031	Forestry (08)
031-039	Fishing, hunting, and trapping (09)
032-039	not used
040-050	MINING
040	Metal mining (10)
041	Coal mining (11,12)
042	Crude petroleum and natural gas extraction (13)
043-049	not used
050	Nonmetallic mining and quarrying, except fuel (14)
051-059	not used
060	CONSTRUCTION (15, 16, 17)
061-099	not used
100-392	MANUFACTURING
100-332	Nondurable Goods
100-122	Food and kindred products
100	Meat products (201)
101	Dairy products (202)
102	Canned and preserved fruits and vegetables (203)
103-109	not used
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
113-119 120	not used
121	Beverage industries (208) Miscellaneous food proportions and kindred anadysts (207, 200)
122	Miscellaneous food preparations and kindred products (207, 209) Not specified food industries
123-129	not used
130	Tobacco manufactures (21)
131	not used
132-150	Textile mill products
132	Knitting mills (225)
133-139	not used
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Floor coverings, except hard surface (227)
142	Yarn, thread, and fabric mills (228, 221-224)

12-1

July 1991

Code	Industries
143-149	not used
150	Miscellaneous textile mill products (229)
151-152	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
153-159	not used
160-162	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
163-170	not used
171-172	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
173-179	not used
180-192	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181 182	Drugs (283)
182 183-189	Soaps and cosmetics (284) not used
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
193-199	not used
200-201	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
202-209	not used
210-212	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
213-219	not used
220-222	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222 223-229	Leather products, except footwear (315-317, 319) not used
230-391	Durable Goods
230-241	Lumber and wood products, except furniture
230 241	Logging (241)
231	Sawmills, planning mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
233-240	not used
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
243-249	not used
250-262	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
253-260	not used
261 262	Pottery and related products (326)
262 263 260	Miscellaneous nonmetallic mineral and stone products (328, 329)
263-269	not used

Code	Industries
270-301	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3361)
273-279	not used
280	Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281	Cutlery, handtools, and other hardware, (342)
282	Fabricated structural metal products (344)
283-289	not used
290	Screw machine products (345)
291 292	Metal forgings and stampings (346)
292 293-299	Ordnance (348) not used
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
302-309	not used
310-332	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
313-319	not used
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
323-330	not used
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
333-339	not used
340-350 340	Electrical machinery, equipment, and supplies
341	Household appliances (363)  Radio TV and communication agricultural (365, 366)
342	Radio, T.V. and communication equipment (365, 366) Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
343-349	not used
350	Not specified electrical machinery, equipment, and supplies
351-370	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
353-359	not used
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
363-369	not used
370	Cycles and miscellaneous transportation equipment (375, 379)
371-382	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
373-379 380	not used  Photographic equipment and supplies (386)
380 381	Photographic equipment and supplies (386) Wotches clocks and clockwork operated devices (387)
382	Watches, clocks, and clockwork operated devices (387) Not specified professional equipment
383-389	not used
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 except 394)
371	Transferrence menerane menering (2) everbe 234)

Code	Industries
392	Not specified manufacturing industries <sup>1</sup>
393-399	not used
373-377	HOL MOCE
400-472	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
400-432	Transportation
400	Railroads (40)
401	Bus service and urban transit (41 except 412)
402	Taxicab service (412)
403-409	not used
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
413-419 420	not used Water transportation (44)
420 421	Air transportation (45)
422	Pipe lines, except natural gas (46)
423-431	not used
432	Services incidental to transportation (47)
433-439	not used
440-442	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
443-459 460-472	not used Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
463-469	not used
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities
473-479	not used
500-571	WHOLESALE TRADE
500-532	Durable Goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
503-509	not used
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512 512 <b>5</b> 20	Electrical goods (506)
513-520 521	not used Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
523-529	not used
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
533-539	not used
540-571	Nondurable Goods

<sup>1.</sup> When shown separately, "Not specified manufacturing," is at the same level as "Nondurable goods" and "Durable goods." When not shown, it is tallied with "Durable goods."

Code	Industries
540	Bonon and consequently (544)
541	Paper and paper products (511)
542	Drugs, chemicals, and allied products (512, 516)
543-549	Apparel, fabrics, and notions (513) not used
550	Groceries and related products (514)
551	Farm products - raw materials (515)
552	Petroleum products (517)
553-559	not used
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
563-570	not used
571	Not specified wholesale trade
572-579	not used
580-691	RETAIL TRADE
580	Lumber and building material retailing (521, 523)
581 582	hardware stores (525)
583-589	retail nurseries and garden stores (526)
590	not used  Mobile hame dealers (527)
591	Mobile home dealers (527) Department stores (531)
592	Variety stores (533)
593-599	not used
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)
602	Dairy products stores (545)
603-609	not used
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
613-619	not used
620	Auto and home supply stores (553)
621 622	Gasoline service stations (554)
623-629	Miscellaneous vehicle dealers (555, 556, 557, 559) not used
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
633-639	not used
640	Household appliances, TV, and radio stores (572, 573)
641	Eating and drinking places (58)
642	Drug stores (591)
643-649	not used
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
653-659	not used
660 661	Jewelry stores (5944)
662	Sewing, needlework, and piece goods stores (5949)
663-669	Mail order houses (5961) not used
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
	for administration (0.50)

Code	Industries
673-680	not used
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
683-690	not used
691	Not specified retail trade
692-699	not used
700-712	FINANCE, INSURANCE, AND REAL ESTATE
<b>7</b> 00	Banking (60)
701	Savings and loan associations (612)
702 703 700	Credit agencies, n.e.c. (61, except 612)
703-709 710	not used Security, commodity brokerage, and investment companies (62, 67)
710 711	Insurance (63, 64)
712	Real estate: including real estate-insurance-law offices (65, 66)
713-720	not used
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722	Services to dwellings and other buildings (734)
723-729	not used
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
733-739	not used
740 741	Computer and data processing services (737) Detective and protective services (7393)
741 742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
743-749	not used
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
753-759	not used
760	Miscellaneous repair services (763, 764, 7692, 7699)
761-791	PERSONAL SERVICES
761	Private households (88)
762	Hotels and motels (701)
763-769	not used
770	Lodging places, except hotels and motels (702, 703, 704)
771 772	Laundry, cleaning, and garment services (721)
772 773-779	Beauty shops (723) not used
773-779 780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
783-789	not used
790	Dressmaking shops (part 729)
791	Miscellaneous personal services (722, part 729)
792-799	not used
800-802	ENTERTAINMENT AND RECREATION SERVICES
800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)
802	Miscellaneous entertainment and recreation services (791, 794, 799)

Code	Industries
803-811	not used
812-892	PROFESSIONAL AND RELATED SERVICES
812	Offices of physicians (801, 803)
813-819	not used
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
823-829 830	not used
831	Offices of health practitioners, n.e.c. (8049) Hospitals (806)
832	Nursing and personal care facilities (805)
833-839	not used
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
843-849	not used
850 851	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852 852 850	Libraries (823)
853-859 860	not used  Educational services n e.e. (820)
861	Educational services, n.e.c. (829)  Job training and vocational rehabilitation services (833)
862	Child day care services (835)
863-869	not used
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873-879	not used
880	Religious organizations (866)
881 882	Membership organizations (861-865, 869) Engineering, architectural, and surveying services (891)
883-889	not used
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)
893-889	not used
900-932	PUBLIC ADMINISTRATION
900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
902-909	not used
910	Justice, public order, and safety (92)
911-920	not used
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
923-929	not used  Administration of anticommental quality and haveing programs (05)
930 931	Administration of environmental quality and housing programs (95)
932	Administration of economic programs (96) National security and international affairs (97)
933-990	not used
991	Assigned to persons whose labor force status is unemployed and whose last job was
	Armed Forces.

# Detailed Industry Recodes (01-51)

Detailed Industry	Recode	Industry Code
Agriculture Service	01	020-021
Other Agriculture	02	010-011
Mining	03	040-050
Construction	04	060
Manufacturing (Durable Goods) Lumber and wood products, except furniture Furniture and fixtures Stone clay, glass, and concrete product Primary metals Fabricated metal Not specified metal industries Machinery, except electrical Electrical machinery, equipment, and supplies Motor vehicles and equipment Aircraft and parts Other transportation equipment Professional and photographic equipment,	05 06 07 08 09 10 11 12 13 14	230-241 242 250-262 270-280 281-300 301 310-332 340-350 351 352 360-370
and watches Toys, amusements, and sporting goods Miscellaneous and not specified manufacturing industries	16 17 18	371-382 390 391-392
Manufacturing (Nondurable Goods) Food and kindred products Tobacco manufactures Textile mill products Apparel and other finished textile products Paper and allied products Printing, publishing and allied industries Chemicals and allied products  Petroleum and coal products	19 20 21 22 23 24 25	100-122 130 132-150 151-152 160-162 171-172 180-192
Rubber and miscellaneous plastics products Leather and leather products	27 28	210-212 220-222
Transportation Communications Utilities and Sanitary Services Wholesale Trade Retail Trade Banking and Other Finance Insurance and Real Estate	29 30 31 32 33 34 35	400-432 440-442 460-472 500-571 580-691 700-710 711-712
Private Household Services Business Services	36 37	761 721-742

Detailed Industry	Recode	<b>Industry Code</b>
	38	750-760
Repair Services	39	762-791
Personal Services, Except Private Household	40	800-802
Entertainment and Recreation Services	41	831
Hospitals	42	812-830
Health Services, Except Hospitals	, <b></b>	832-840
_, , , , , , ,	43	842-860
Educational Services	44	861-871
Social Services Other Professional Services	45	841,872-892
Forestry and Fisheries	46	030-031
Tarking Dahlie Onder and Safety	47	910
Justice, Public Order and Safety Administration of Human Resource Programs	48	922
Administration of Fullian Resource Programs	49	932
National Security and Internal Affairs Other Public Administration	50	901
Armed Forces	51	991

# Major Industry Recodes (01-14)

Major Industry	Recode	Industry Code
Agriculture, Forestry, and Fisheries	01	10-31
Mining	02	40-50
Construction	03	60
Manufacturing (Durable Goods) Nondurable Goods	04 05	230-392 100-222
Transportation, Communications and Other Public Utilities	06	400-472
Wholesale Trade	07	500-571
Retail Trade	08	580-691
Finance, Insurance, and Real Estate	09	700-712
Business and Repair Services	10	721-760
Personal Services Including Private Households	11	761-791
Entertainment and Recreation Services	12	800-802
Professional and Related Services	13	812-892
Public Administration	14	900-932

## Occupational Classification Codes for Detailed Occupational Categories

(Numbers in parentheses are the 1980 SIC code equivalent; see U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, Standard Occupational Classification Manual, 1980. "Pt" means part; "n.e.c." means not elsewhere classified.)

<u>Code</u>	Occupations
000-002	not used
003-199	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
003-037	Executive, Administrative, and Managerial Occupations
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1122-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
010-012	not used
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
020-022	not used
023-037	Management Related Occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026 027	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
030-032	Buyers, wholesale and retail trade except farm products (1442) not used
033	
034	Purchasing agents and buyers, n.e.c. (144) Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)
038-042	not used
043-199	Professional Specialty Occupations
043-063	Engineers, Architects, and Surveyors
043	Architects (161)
044-059	Engineers ` ´
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
050-052	not used
053	Civil (1628)
054	Agricultural (1632)

<u>Code</u>	Occupations
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
060-062	not used
063	Surveyors and Mapping Scientists (164)
064-068	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
069-083	Natural Scientists  Physiciate and estronomers (1842, 1843)
069	Physicists and astronomers (1842, 1843)
070-072	not used Chemists, except biochemists (1845)
073 074	Atmospheric and space scientists (1846)
075	Geologists and geodeists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
080-082	not used
083	medical scientists (1855)
084-089	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
090-094	not used
095-106	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
098-105	Therapists
098	Inhalation therapists (3031)
099	Occupational therapists (3032) not used
100-102 103	Physical therapists (3033)
103	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (3040
107-112	not used
113-154	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
120-122	not used
123	History teachers (2222)

<u>Code</u>	Occupations
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
130-132	not used
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136 137	Agriculture and forestry teachers (2234)
138	Art, drama, and music teachers (2235)  Physical education teachers (2236)
139	Education teachers (2230)
140-142	not used
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
150-152	not used
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
155-159 155	Teachers, Except Postsecondary
156	Teachers, prekindergarten and kindergarten (231) Teachers, elementary school (232)
157	Teachers, secondary school (232) Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
160-162	not used
163	Counselors, educational and vocational (24)
164-165	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
166-173	Social Scientists and Urban Planners
166	Economists (1912)
167 168	Psychologists (1915)
169	Sociologists (1916) Social scientists, n.e.c. (1913, 1914, 1919)
170-172	not used
173	Urban planners (192)
174-177	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
178-179	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
180-182	not used
183-199	Writers, Artists, Entertainers, and Athletes
183 184	Authors (321) Technical writers (308)
184 185	Technical writers (398) Designers (322)
TOA	Designors (277)

186 Musicians and composers (323) 187 Actors and directors (324) 188 Painters, sculptors, craft-artists, and artists print-makers (325) 189 Photographers (326) 190-192 Dancers (327) 194 Artists, performers, and related workers, n.e.c. (328, 329) 195 Editors an reporters (331) 196 not used 197 Public relations specialists (332) 189 Announcers (333) 199 Announcers (333) 199 Announcers (333) 199 Announcers (333) 199 Announcers (333) 190 Announcers (333) 190 Announcers (333) 190 Announcers (333) 191 Announcers (333) 192 Announcers (333) 193 Announcers (333) 194 Announcers (333) 195 Announcers (333) 196 Announcers (333) 197 Eechnicians and Related Support Occupations 198 Health Technologists and Technicians (362) 199 Dental hygienists (363) 190 Health Tecond technologists and technicians (364) 190 Health tecond technologists and technicians (364) 190 Health technologists and technicians, n.e.c. (369) 190 Health technologists and technicians, n.e.c. (369) 191 Health technologists and technicians (371) 191 Health technologists and technicians (3711) 191 Health technologists and technicians (3712) 192 Health technologists and technicians (3712) 193 Health technologists and technicians (3713) 194 Health technologists and technicians (3712) 195 Health technologists and technicians (3712) 196 Health technologists and technicians (3712) 197 Health technologists and technicians (3713) 198 Health technologists and technicians (3713) 199 Health technologists and technicians (3712) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists and technicians (3713) 190 Health technologists an	<u>Code</u>	<u>Occupations</u>
Actors and directors (324) 188	186	Musicians and composers (323)
Photographers (326)     190-1902   not used     193	187	
193	188	Painters, sculptors, craft-artists, and artists print-makers (325)
Dancers (327) Artists, performers, and related workers, n.e.c. (328, 329) Editors an reporters (331) not used Public relations specialists (332) Announcers (333) Athletes (34) not used  203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS Technicians and Related Support Occupations Health Technologists and Technicians (362) Dental hygienists (363) Licensed practical nurses (366) Radiologic technicians (365) Licensed practical nurses (366) Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Health technologists and technicians (369) not used Technologists and Technicians, n.e.c. (369) not used Technologists and Related Technologists and Technicians Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians, n.e.c. (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Science Technicians Science Technicians n.e.c. (3832, 3833, 384, 389) Technicians: Except Health Fingineering, and Science Airplane pilots and navigators (825) Air traffic controllers (3821) Chemical technicians (3712) Science technicians n.e.c. (3719) Drafting occupations (372) Surveying and mapping technicians (3713) Engineering technicians (3831) Science technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Technicians: Except Health Fingineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Proactions n.e.c. (399) Technicians: Except Health Fingineering, and Science Airplane pilots and navigators (825) Technicians: Except Health Fingineering and Science Airplane pilots and navigators (825) Technicians n.e.c. (3831, 3832, 3833, 384, 389) Technicians: Except Health Fingineering and Science Airplane pilots and navigators (825) Technicians finging and technicians (3831) Science technicians (3831) Science technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Technicians finging and finging and fin		Photographers (326)
Artists, performers, and related workers, n.e.c. (328, 329) 195 Beditors an reporters (331) 196 not used 197 Public relations specialists (332) 198 Announcers (333) 199 Athletes (34) 200-202 not used 197 Technicans and Related Support Occupations 198 199 190-203-208 190 191 192 193 193 194 195 196 197 198 198 199 199 190 203-209 190 190 190 190 190 190 190 190 190 1		not used
195 Editors an reporters (331) 196 not used 197 Public relations specialists (332) 198 Announcers (333) 199 Athletes (34) 190-202 not used  203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS 203-225 Technicians and Related Support Occupations 203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-225 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (382) 225 Chemical technicians (382) 226 Air traffic controllers (392) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 231 Tool programmers, numerical control (3974) 232 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 237-257 Sales Occupations 244-252 not used 253 Sales Occupations 254 Sales Representatives, Finance and Business Services 255 Insurance sales occupations (4123) 256 Advertising and related sales occupations (4124) 256 Advertising and related sales occupations (4124) 257 Advertising and related sales occupations (4124) 258 Advertising and related sales occupations (4124) 259 Advertising and related sales occupations (4124) 250 Advertising and related sales occupations (4124)		
not used Public relations specialists (332) Announcers (333) Anhletes (34) not used  203-208 203-235 203-208 Health Technologists and Technicians Clinical laboratory technologists and technicians (362) Dental hygienists (363) Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369) not used  203-212 not used  113-218 Electrical and electronic technicians (3712) Engineering technician (3712) Engineering technicians (3712) Engineering technicians (3712) Engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3712) Drafting occupations (372) Surveying and mapping technicians (373) not used  203-225 Science Technicians Electrical and electronic technicians (373) not used  Engineering technicians (383) Engineering technicians (373) Engineering technicians (373) Engineering technicians (372) Engineering technicians (383) En		
197 Public relations specialists (332) 198 Announcers (333) 199 Athletes (34) 190-202 not used  203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS  Technicians and Related Support Occupations 203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-235 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians (372) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians (382) 224 Chemical technicians (382) 225 Science Technicians (3831) 226 Science Technicians (382) 227 Air traffic controllers (392) 228 Biological technicians (392) 229 Computer programmers (397), 3972 230-232 not used 230-232 not used 231 Tool programmers, numerical control (3974) 232 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 237-257 Sales Representatives, Finance and Business Services 238 Insurance sales occupations (4123) 249 Real estate sales occupations (4123) 250 Securities and financial services sales occupations (4124) 251 Advertising and related sales occupations (4125) 252 Scienties and financial services sales occupations (4124) 253 Advertising and related sales occupations (4125) 254 Advertising and related sales occupations (4125)		
Announcers (333) Athletes (34) not used  203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS Technicians and Related Support Occupations Health Technologists and Technicians Clinical laboratory technologists and technicians (362) Dental hygienists (363) Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369) not used Technologists and Technicians, n.e.c. (369) not used Licensed practical nurses (366) Health technologists and technicians (3711) Licensed practical nurses (366) Health technologists and technicians (3712) Engineering and Related Technologists and Technicians Lilage Electrical and electronic technicians (3711) Lindustrial engineering technicians (3712) Mechanical engineering technicians (3712) Mechanical engineering technicians (3712) Lindustrial engineering technicians (372) Surveying and mapping technicians (372) Surveying and mapping technicians (372) Surveying and mapping technicians (373) not used Science Technicians Biological technicians (3831) Science technicians, n.e.c. (3832, 3833, 384, 389) Technicans, Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) not used Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS 203-208 Health Technologists and Technicians 203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health rechnologists and technicians, n.e.c. (369) 209-212 not used 213-225 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (382) 225 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235-242 not used 237-257 Sales Representatives, Finance and Business Services 239 Insurance sales occupations (4123) 240 Real estate sales occupations (4123) 251 Scienties and financial services sales occupations (4124) 252 Advertising and related sales occupations (4153)		
203-389 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS 203-225 Technicians and Related Support Occupations 203-208 Health Technologists and Technicians 203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-213 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3712) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 Surveying and mapping technicians (373) 219-222 Surveying and mapping technicians (373) 224 Chemical technicians (3831) 225 Science Technicians 226 Eccupations (372) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-225 Sales Occupations 244-252 Sales Representatives, Finance and Business Services 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4123) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS Technicians and Related Support Occupations Clinical laboratory technologists and technicians (362) Dental hygienists (363) Dental hygienists (363) Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369) Dental hygienists (363) Technologists and Technicians, n.e.c. (369) Ticensed practical nurses (366) Health technologists and technicians, n.e.c. (369) Technologists and Technicians, Except Health Engineering and Related Technologists and Technicians Lectrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Lengineering technicians, n.e.c. (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Science Technicians Surveying and mapping technicians (373) not used Science Technicians (382) Chemical technicians (382) Chemical technicians (382) Technicians, Except Health Science airplane pilots and navigators (825) Air traffic controllers (392) Drafting occupations (372) Surveying and mapping technicians (373) Technicians, Except Health Science airplane pilots and navigators (825) Air traffic controllers (392) Technicians, Except Health Legal assistants (396) Technicians, exc. (399) Technicians, n.e.c. (399) Technicians of the process occupations (4123) Technicians of		
203-208 Health Technologists and Technicians 203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-223 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (383) 224 Chemical technicians (383) 225 Science Technicians n.e.c. (3832) 226-235 Technicians; Except Health, Engineering, and Science 226 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 230-232 not used 231 Tool programmers, numerical control (3974) 232 Legal assistants (396) 233 Technicians, n.e.c. (399) 236-242 not used 235 Sales Representatives, Finance and Business Services 236 Insurance sales occupations (4122) 237 Real estate sales occupations (4123) 238 Securities and financial services sales occupations (4124) 240 Advertising and related sales occupations (4153)		
203 Clinical laboratory technologists and technicians (362) 204 Dental hygienists (363) 205 Health record technologists and technicians (364) 206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-235 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (382) 225 Chemical technicians (3831) 226 Science technicians (3831) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 244 Legal assistants (396) 252-25 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4123) 255 Securities and related sales occupations (4153)		
Clinical laboratory technologists and technicians (362) Dental hygienists (363) Dental hygienists (363) Dental hygienists (363)  Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Beath Health technologists and technicians, n.e.c. (369) not used Technologists and Technicians, Except Health Engineering and Related Technologists and Technicians Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Surveying and mapping technicians (373) not used Surveying and mapping technicians (373) Drafting occupations (382) Chemical technicians (382) Chemical technicians (3831) Science Technicians n.e.c. (3832, 3833, 384, 389) Technicians, Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) not used Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Dental hygienists (363)  Dental hygienists (363)  Health record technologists and technicians (364)  Radiologic technicians (365)  Licensed practical nurses (366)  Health technologists and technicians, n.e.c. (369)  Dental hygienists (365)  Licensed practical nurses (366)  Health technologists and technicians, n.e.c. (369)  Dental hygienists (363)  Electrical and electronic technicians (3712)  Electrical and electronic technicians (3711)  Industrial engineering technicians (3712)  Mechanical engineering technicians (3713)  Drafting occupations (372)  Engineering technicians, n.e.c. (3719)  Drafting occupations (372)  Surveying and mapping technicians (373)  Drafting occupations (372)  Surveying and mapping technicians (373)  Drafting occupations (382)  Chemical technicians (3831)  Science Technicians (3831)  Science technicians n.e.c. (3832, 3833, 384, 389)  Technicians; Except Health, Engineering, and Science  Airplane pilots and navigators (825)  Air traffic controllers (392)  Broadcast equipment operators (393)  Computer programmers (3971, 3972)  not used  Tool programmers, numerical control (3974)  Legal assistants (396)  Technicians, n.e.c. (399)  and used  Supervisors and proprietors, sales occupations (40)  not used  Supervisors and proprietors, sales occupations (40)  not used  Supervisors and proprietors, sales occupations (40)  not used  Sales Representatives, Finance and Business Services  Insurance sales occupations (4122)  Real estate sales occupations (4123)  Securities and financial services sales occupations (4124)  Advertising and related sales occupations (4153)		
Health record technologists and technicians (364) Radiologic technicians (365) Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369) not used Technologists and Technicians, Except Health Engineering and Related Technologists and Technicians Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3713) Engineering technicians (3713) Surveying and mapping technicians (373) not used Surveying and mapping technicians (373) not used Science Technicians Biological technicians (382) Chemical technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) not used Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4123) Securities and related sales occupations (4153)		
206 Radiologic technicians (365) 207 Licensed practical nurses (366) 208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-235 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (382) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 244 Legal assistants (396) 235 Technicians, n.e.c. (399) 240-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4123) 255 Securities and financial services sales occupations (4153)		
Licensed practical nurses (366) Health technologists and technicians, n.e.c. (369) 109-212 not used 113-235 Technologists and Technicians, Except Health 1213-218 Engineering and Related Technologists and Technicians 1213 Electrical and electronic technicians (3711) 1214 Industrial engineering technicians (3712) 1215 Mechanical engineering technicians (3712) 1216 Engineering technicians (3712) 1217 Drafting occupations (372) 1218 Surveying and mapping technicians (373) 1219-222 Surveying and mapping technicians (373) 1219-222 not used 1223-225 Science Technicians 1223 Biological technicians (382) 1224 Chemical technicians (3831) 1225 Science technicians n.e.c. (3832, 3833, 384, 389) 1226-235 Technicians, Except Health, Engineering, and Science 1226 Airplane pilots and navigators (825) 1227 Air traffic controllers (392) 1230-232 not used 1230 Computer programmers (3971, 3972) 1241 Legal assistants (396) 1252 Technicians, n.e.c. (399) 1254 Legal assistants (396) 126-242 not used 126-242 not used 127-243-285 Sales Occupations 1283 Supervisors and proprietors, sales occupations (40) 1284-252 not used 1285 Sales Representatives, Finance and Business Services 1286 Insurance sales occupations (4122) 1287 Real estate sales occupations (4123) 1298 Securities and financial services sales occupations (4124) 1299 Advertising and related sales occupations (4153)		
208 Health technologists and technicians, n.e.c. (369) 209-212 not used 213-235 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (3831) 225 Science technicians (3831) 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 230-232 not used 231 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4153)		
209-212 not used 213-235 Technologists and Technicians, Except Health 213-218 Engineering and Related Technologists and Technicians 213 Electrical and electronic technicians (3711) 214 Industrial engineering technicians (3712) 215 Mechanical engineering technicians (3713) 216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (382) 225 Chemical technicians (3831) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4153)		
213-235 213-218 213-218 213		
Engineering and Related Technologists and Technicians Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians, (3713) Engineering technicians, (3713) Engineering technicians, (3713) Engineering technicians, (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Science Technicians Electrical and electronic (3719) Drafting occupations (372) Surveying and mapping technicians (373)  Industrial engineering technicians (373)  Drafting occupations (372) Surveying and mapping technicians (373)  Drafting occupations (382) Chemical technicians (382) Chemical technicians (382) Chemical technicians (382) Science technicians n.e.c. (3832, 3833, 384, 389)  Technicians, Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392)  Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399)  Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399)  Tool used Sales Occupations Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Electrical and electronic technicians (3711) Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians, n.e.c. (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Science Technicians Computer programmers (393) Computer programmers (3971, 3972) Signal Technicians (382) Computer programmers (3971, 3972) Computer programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) Computer programmers and proprietors, sales occupations (40) not used Sales Occupations Sales Representatives, Finance and Business Services Insurance sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Industrial engineering technicians (3712) Mechanical engineering technicians (3713) Engineering technicians, n.e.c. (3719) Drafting occupations (372) Surveying and mapping technicians (373) not used Science Technicians Silological technicians (382) Chemical technicians (382) Chemical technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Cecasis Technicians, Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) Technicians, n.e.c. (399) Technicians, n.e.c. (399) Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4153)		
216 Engineering technicians, n.e.c. (3719) 217 Drafting occupations (372) 218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (3831) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4123) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)	214	
Drafting occupations (372) Surveying and mapping technicians (373) 19-222 not used Science Technicians Biological technicians (382) Chemical technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) not used Sales Occupations Sales Occupations Sales Representatives, Finance and Business Services Insurance sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
218 Surveying and mapping technicians (373) 219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (3831) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
219-222 not used 223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (3831) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
223-225 Science Technicians 223 Biological technicians (382) 224 Chemical technicians (3831) 225 Science technicians n.e.c. (3832, 3833, 384, 389) 226-235 Technicians; Except Health, Engineering, and Science 226 Airplane pilots and navigators (825) 227 Air traffic controllers (392) 228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)	•	
Biological technicians (382) Chemical technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389)  Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399)  Technicians, n.e.c. (399)  Sales Occupations Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Chemical technicians (3831) Science technicians n.e.c. (3832, 3833, 384, 389) Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) Technicians, n.e.c. (399) Sales Occupations Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Science technicians n.e.c. (3832, 3833, 384, 389)  Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) anot used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399)  anot used Sales Occupations Supervisors and proprietors, sales occupations (40) not used Supervisors and proprietors, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		Chamical technicians (3821)
Technicians; Except Health, Engineering, and Science Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) Technicians, n.e.c. (399) Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4153)		
Airplane pilots and navigators (825) Air traffic controllers (392) Broadcast equipment operators (393) Computer programmers (3971, 3972) not used Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399) Technicians, n.e.c. (399) Sales Occupations Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
Air traffic controllers (392)  228  Broadcast equipment operators (393)  229  Computer programmers (3971, 3972)  230-232  not used  Tool programmers, numerical control (3974)  Legal assistants (396)  Technicians, n.e.c. (399)  236-242  not used  243-285  Sales Occupations  243  Supervisors and proprietors, sales occupations (40)  244-252  not used  253-257  Sales Representatives, Finance and Business Services  1nsurance sales occupations (4122)  Real estate sales occupations (4123)  Securities and financial services sales occupations (4124)  Advertising and related sales occupations (4153)		
228 Broadcast equipment operators (393) 229 Computer programmers (3971, 3972) 230-232 not used 233 Tool programmers, numerical control (3974) 234 Legal assistants (396) 235 Technicians, n.e.c. (399) 236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
Computer programmers (3971, 3972)  230-232 not used  Tool programmers, numerical control (3974)  Legal assistants (396)  Technicians, n.e.c. (399)  and used  Sales Occupations  Supervisors and proprietors, sales occupations (40)  and used  Sales Representatives, Finance and Business Services  Insurance sales occupations (4122)  Real estate sales occupations (4123)  Securities and financial services sales occupations (4124)  Advertising and related sales occupations (4153)	228	
Tool programmers, numerical control (3974) Legal assistants (396) Technicians, n.e.c. (399)  and used  and Supervisors and proprietors, sales occupations (40)  and used  and us		
Legal assistants (396) Technicians, n.e.c. (399)  and used  and Supervisors and proprietors, sales occupations (40)  and used		not used
Technicians, n.e.c. (399)  236-242  not used  243-285  Sales Occupations  Supervisors and proprietors, sales occupations (40)  not used  Sales Representatives, Finance and Business Services  Insurance sales occupations (4122)  Real estate sales occupations (4123)  Securities and financial services sales occupations (4124)  Advertising and related sales occupations (4153)		
236-242 not used 243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
243-285 Sales Occupations 243 Supervisors and proprietors, sales occupations (40) 244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
Supervisors and proprietors, sales occupations (40) not used Sales Representatives, Finance and Business Services Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
244-252 not used 253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
253-257 Sales Representatives, Finance and Business Services 253 Insurance sales occupations (4122) 254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
Insurance sales occupations (4122) Real estate sales occupations (4123) Securities and financial services sales occupations (4124) Advertising and related sales occupations (4153)		
254 Real estate sales occupations (4123) 255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
255 Securities and financial services sales occupations (4124) 256 Advertising and related sales occupations (4153)		
Advertising and related sales occupations (4153)		

<u>Code</u>	<u>Occupations</u>
258-259	Sales Reprensentatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
260-262	not used
263-278	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266 267	Sales workers, furniture and home furnishings (4348)
268	Sales workers, radio, TV, hi-fi, and appliances (4343, 4352) Sales workers, hardware and building supplies (4353)
269	Sales workers, nardware and building supplies (4353) Sales workers, parts (4367)
270-273	not used
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
279-282	not used
283-285	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285 286-302	Sales support occupations, n.e.c. (444, 446, 449)
303-389	not used Administrative Support Occupations, Including Clerical
303-307	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4515, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
308-309	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
310-312	not used
313-315 313	Secretaries, Stenographers and Typists
313	Secretaries (4622) Stenographers (4623)
315	Typists (4624)
316-323	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
320-322	not used
323	Information clerks, n.e.c. (4649)
324 325-336	not used
325-330	Records Processing Occupation, Except Financial
326	Classified-ad clerks (4662) Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
330-334	not used
335	File clerks (4696)
336	Records clerks (4699)

<u>Code</u>	<u>Occupations</u>
337-344	Financial Records Processing Occupations
337	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
340-342	not used
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
345-347	Duplicating, Mail and Other Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
348-353	Communications Equipment Operators
348	Telephone operators (4732)
349 350-352	Telegraphers (4733) not used
350-352 3 <b>5</b> 3	Communications equipment operators, n.e.c. (4793)
3 <b>54</b> -357	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
358	not used
359-374	Material Recording, Scheduling, and Distributing Clerks, n.e.c.
359	Dispatchers (4751)
360-362	not used
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
367	not used
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
370-372	not used
373 374	Expediters (4758)  Material recording, scheduling, and distributing clerks, n.e.c. (4759)
375-378	Adjusters and Investigators
375-376 375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
379-389	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
380-382	not used
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387 388	Teachers aides (4795)
389	not used  Administrative support accupations in e.g. (4787, 4799)
390-402	Administrative support occupations, n.e.c. (4787, 4799)
	not used
403-469	SERVICE OCCUPATIONS
403-407	Private Household Occupations
403	Launderers and ironers (503)
404	Cooks, private household (504)

<u>Code</u>	<u>Occupations</u>
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
407	Private household cleaners and servants (502, 507, 509)
408-412	not used
413-427	Protective Service Occupations
413-415	Supervisors, protective service occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
416-417	
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
418-424	Police and detectives
418 423	Police and detectives, public service (5132)
424 <sup>-</sup>	Sheriffs, bailiffs, and other law enforcement officers (5134) Correctional institution officers (5133)
425-427	Guards
425	Crossing guards (5142)
426	Guards and police, exc., public service (5144)
427	Protective service occupations, n.e.c. (5149)
433-469	Service Occupations, Except Protective and Household
433-444	Food preparation and service occupations
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
435	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
440-442	not used
443	Waiters'/waitresses' assistants (5218)
444 445-447	Miscellaneous food preparation occupations (5219) Health Service Occupations
445-447 445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, except horsing (5235)  Nursing aides, orderlies, and attendants (5236)
448-455	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
450-452	not used
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
456-469	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
460-462	not used
463 464	Guides (5255)
464 465	Ushers (5256) Public transportation attendants (5257)
465 466	Public transportation attendants (5257)  Baggage porters and bellhops (5262)
460 467	Welfare service aides (5263)
467 468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)
107	Totalini on the oscapations, most (ozoo, ozoo)

<u>Code</u>	<u>Occupations</u>
470-472	not used
473-499 473-476 473	FARMING, FORESTRY, AND FISHING OCCUPATIONS Farm Operators and Managers Farmers, except horticulture (5512, 5514)
474 475	Horticultural specialty farmers, (5515) Managers, farms, except horticultural (5522-5524)
476 477-489 477-484	Managers, horticultural specialty farms (5525) Other Agricultural and Related Occupations Farm Occupations, Except Managerial
477 478	Supervisors, farm workers (5611) not used
479 480-482	Farm workers (5612-5617) not used
483 484 485-489	Marine life cultivation workers (5618)  Nursery workers (5619)  Related Agricultural Occupations
485 486	Supervisors, related agricultural occupations (5621) Groundskeepers and gardeners, except farm (5622)
487 488	Animal caretakers, except farm (5624) Graders and sorters, agricultural products (5625)
489 490-493 494-496	Inspectors, agricultural products (5627) not used Forestry and Logging Occupations
494 495	Supervisors, forestry and logging workers (571) Forestry workers, except logging (572)
496 497-499 497	Timber cutting and logging occupations (573, 579)  Fishers, Hunters, and Trappers  Captains and other officers, fishing vessels (pt 8241)
498 499	Fishers (583) Hunters and trappers (584)
500-502	not used
503 503-549 503	PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS  Mechanics and Repairers  Supervisors, Mechanics and Repairers (60)
504 505-549	not used Mechanics and Repairers, Except Supervisors
505-517 505 506	Vehicle and Mobile Equipment Mechanics and Repairers Automobile mechanics (pt 6111) Automobile mechanic apprentices (pt 6111)
507 508	Bus, truck, and stationary engine mechanic (6112) Aircraft engine mechanics (6113)
509 510-513 514	Small engine repairers (6114) not used Automobile body and related repairers (6115)
515 516	Aircraft mechanics, exc. engine (6116)  Heavy equipment mechanics (6117)
517 518	Farm equipment mechanics (6118) Industrial machinery repairers (613) Machinery maintenance agreeations (614)
519 520-522 523-533	Machinery maintenance occupations (614) not used Electrical and Electronic Equipment Repairers
523 524	Electronic repairers, communications and industrial equipment (6151, 6153, 6155) not used
525	Data processing equipment repairers (6154)

<u>Code</u>	<u>Occupations</u>
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
528	not used
529	Telephone installers and repairers (6158)
530-532	not used
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (616)
535-549	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
537	not used
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
540-542	not used
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
545-546	not used
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
548	not used
549	Not specified mechanics and repairers
550-552	not used
553-599	Construction Trades
553-558	Supervisors, Construction Occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6134)
556	Supervisors, painters, paperhangers, and plasterers (6315)
557	Supervisors: plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
559-562	not used
563-599	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
<b>5</b> 68	not used
569	Carpenter apprentices (pt 6422)
570-572	not used
573	Drywall installers (6424)
574	not used
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
578	not used
579	Painters, construction and maintenance (6442)
580-582	not used
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
586	not used
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
590-592	not used
593	Insulation workers (6465)

<u>Code</u>	<u>Occupations</u>
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
600-612	not used
613-617	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil will (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
618-632	not used
633-699	Precision Production Occupations
633	Supervisors, production occupations (67, 710
634-655	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
638	not used
639	Machinist apprentices (pt 6813)
640-642	not used
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6812)
647	Precious stones and metals workers (jewelers) (6822, 6866)
648	not used
649	Engravers, metal (6823)
650-652	not used
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
656-659	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenter (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
660-665	not used
666-674	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
670-672	not used
673	Apparel and fabric patternmakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
680-682	not used
683	Electrical and electronic equipment assemblers (6867)

<u>Code</u>	<u>Occupations</u>
684	Miscellaneous precision workers, n.e.c. (6869)
685	not used
686-688	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
689-693	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
690-692	not used
693	Adjusters and calibrators (6882)
694-699 694	Plant and System Operators
695	Water and sewage treatment plant operators (691)  Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
697-698	not used
699	Miscellaneous plant and system operators (692, 694, 695, 696)
700-702	not used
703-889	OPERATORS, FABRICATORS, AND LABORERS
703-799	Machine Operators, Assemblers, and Inspectors
703-779	Machine Operators and Tenders, except Precision
703-715	Metal Working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708 709	Drilling and boring machine operators (7318, 7518)
709 710-712	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522) not used
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326
715	Miscellaneous metal, plastic, stone, and glass working machine operators
	(7329, 7529)
716	not used
717	Fabricating machine operators, n.e.c. (7339, 7539)
718	not used
719-725	Metal and plastic processing machine operators
719	Molding and casting machine operators (7315,7342, 7515, 7542)
720-722	not used
723	Metal plating machine operators (7343, 7543)
724 725	Heat treating equipment operators (7344, 7544)
725 726-733	Miscellaneous metal and plastic processing machine operators (7349, 7549)
726-733 726	Woodworking Machine Operators Wood lathe, routing, and planeing machine operators (7431, 7432, 7631,7632)
720 727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nail and tacking machine operators (7636)
730-732	not used
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734-737	Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
738-749	Textile, Apparel and Furnishings Machine Operators

<u>Code</u>	Occupations
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
740-742	
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
746	not used
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
750-752	not used
<b>753-779</b>	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7562, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757 750	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758 750	Compressing and compacting machine operators (7646, 7667)
759	Painting and paint spraying machine operators (7669)
760-762	not used
763 764	Roasting and baking machine operators, food (7472, 7672)
	Washing, cleaning, and pickling machine operators (7673)
765 766	Folding machine operators (7474, 7674)
767	Furnace, kiln, and oven operators, exc. food (7675) not used
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
770-772	not used
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
775-776	not used
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
<i>7</i> 78	not used
779	Machine operators, not specified
780-782	not used
783-795	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
<b>784</b>	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
788 789	not used
769 790-792	Hand painting, coating, and decorating occupations (7756)
790-792 793	not used  Hand engraving and printing acquiretions (7757)
794	Hand engraving and printing occupations (7757)  Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
796-799	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)
800-802	not used
803-859	Transportation and Material Moving Occupations
803-814	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)

<u>Code</u>	Occupations
804	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)
806	Driver-sales workers (8218)
807	not used
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
810-812	not used
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
815-822	not used
823-834	
823-826	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824 825	Locomotive operating occupations (8232) Railroad brake, signal, and switch operators (8233)
826 <sup>-</sup>	Rail vehicle operators, n.e.c. (8239)
827	not used
828-834	Water Transportation Occupations
828	Ship captains and mates, except fishing boasts (pt 8241, 8242)
829	Sailors and deckhands (8243)
830-832	not used
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
835-842	not used
843-859	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
846-847	not used
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
850-852 853	not used
854	Excavating and loading machine operators (8316) not used
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
857-858	not used
859	Miscellaneous material moving equipment operators (8319)
860-862	not used
863-889	Handlers, Equipment Cleaners, Helpers, and Laborers
863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
865-867	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
868	not used
869	Construction laborers (871)
870-872	not used Production below: (861, 862)
873 874	Production helpers (861, 862)
875-883	not used Freight, Stock, and Material Handlers
875 875	Garbage collectors (8722)
876	Stevedores (8723)
877	Stock handlers and baggers (8724)
878	Machine feeders and offbearers (8725)

<u>Code</u>	<u>Occupations</u>
879-882	not used
883	Freight, stock, and material handlers, n.e.c. (8726)
884	not used
885	Garage and service station related occupation (873)
886	not used
887	Vehicle washers and equipment cleaners (875)
888	Hand packers and packagers (8761)
889	Laborers, except construction (8769)
890-904	not used
905	Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces.

# Detailed Occupation Recodes (01-46)

Detailed Occupation	Recode	Occupation Code
Administrators and Officials,		
Public Administration	01	003-006
Other Executive, Administrators, and Managers	02	007-019
Management Related Occupations	03	023-037
Engineers	04	044-059
Mathematical and Computer Scientists	05	064-068
Natural Scientists	06	069-083
Health Diagnosing Occupations	07	084-089
Health Assessment and Treating Occupations	08	095-106
Teachers, College and University	09	113-154
Teachers, Except College and University	10	155-159
Lawyers and Judges	11	178-179
Other Professional Specialty Occupations	12	043-063
		163-177
		183-199
Health Technologists and Technicians	13	203-208
Engineering and Science Technicians	14	213-225
Technicians, Except Health	_,	210 220
Engineering, and Science	15	226-235
Supervisors and Proprietors,		
Sales Occupations	16	243
Sales Representatives, Finance,		
and Business Service	17	253-257
Sales Representatives, Commodities,		
Except Retail	18	<b>25</b> 8-259
Sales Workers, Retail and		
Personal Services	19	263-278
Sales Related Occupations	20	283-285
Supervisors - Administrative Support	21	303-307
Computer Equipment Operators	22	308-309
Secretaries, Stenographers, and Typists	23	313-315
Financial Records, Processing Occupations	24 2.5	337-344
Mail and Message Distributing	25	354-357
Other Administrative Support Occupations, Including Clerical	20	216 226
nicluding Clerical	26	316-336
Private Household Service Occupations	27	403-407
Protective Service Occupations	28	413-427
Food Service Occupations	29	433-444
Health Service Occupations	30	445-447
Cleaning and Building Service Occupations	31	448-455
Personal Service Occupations	32	456-469
Mechanics and Repairers	33	503-549
Construction Trades	34	553-599
Other Precision Production Occupations	35	613-699

Detailed Occupation	Recode	Occupation Code
Machine Operators and Tenders,		
Except Precision	36	703-779
Fabricators, Assemblers, Inspectors,		
and Samplers	37	783-799
Motor Vehicle Operators	38	803-814
Other Transportation Occupations		
and Material Moving	39	823-859
Construction Laborer	40	869
Freight, Stock and Material Handlers	41	875-883
Other Handlers, Equipment Cleaners,		
and Laborers	42	863-867
und Edocroto	<del>-</del>	873, 885-889
Farm Operators and Managers	43	473-476
Farm Workers and Related Occupations	44	477-489
Forestry and Fishing Occupations	45	494-499
Armed Forces, Currently Civilian	46	905

# Major Occupation Group Recodes (01-14)

Occupation Group	Recode	Occupation Code
Executive, Administrative, and Managerial Occupations	01	003-037
Professional Specialty Occupations	02	043-199
Technicians and Related Support Occupations	03	203-389
Sales Occupations	04	243-285
Administrative Support Occupations, Including Clerical	05	303-389
Private Household Service Occupations	06	403-407
Protective Service Occupation	07	413-427
Service Occupations, Except Protective and Household	08	433-469
Farming, Forestry, and Fishing Occupations	09	473-499
Precision Production, Craft, and Repair Occupations	10	503-699
Machine Operators, Assemblers, and Inspectors	11	703-799
Transportation and Material Moving Equipment Occupation	s 12	803-859
Handlers, Equipment Cleaners, Helpers, and Laborers	13	863-889
Armed Forces, Currently Civilian	14	905

# Topcoding of Usual Hourly Earnings

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is \$999. The topcode is computed such that the product of usual hours times usual hourly earnings does not exceed an annualized wage of \$100,000 (\$1,923.07 per week). Below is a list of the appropriate topcodes.

1       None       34       \$56.56       67       \$2         2       None       35       \$54.94       68       \$22         3       None       36       \$53.41       69       \$22         4       None       37       \$51.97       70       \$22         5       None       38       \$50.60       71       \$22         6       None       39       \$49.30       72       \$22         7       None       40       \$48.07       73       \$22         8       None       41       \$46.90       74       \$22         9       None       42       \$45.78       75       \$22         10       None       43       \$44.72       76       \$22         11       None       43       \$44.72       76       \$22         12       None       45       \$42.73       78       \$24         13       None       46       \$41.80       79       \$24         14       None       47       \$40.91       80       \$24         15       None       48       \$40.06       81       \$23         16       <	pcode
2 None 35 \$54.94 68 \$22 3 None 36 \$53.41 69 \$22 4 None 37 \$51.97 70 \$22 5 None 38 \$50.60 71 \$22 7 None 39 \$49.30 72 \$22 7 None 40 \$48.07 73 \$22 7 None 41 \$46.90 74 \$22 9 None 42 \$45.78 75 \$22 10 None 43 \$44.72 76 \$22 11 None 44 \$43.70 77 \$24 11 None 44 \$43.70 77 \$24 12 None 45 \$42.73 78 \$24 13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 49 \$39.24 82 \$23 18 None 51 \$37.70 84 \$22 20 \$96.15 53 \$36.98 85 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
3       None       36       \$53.41       69       \$2         4       None       37       \$51.97       70       \$2         5       None       38       \$50.60       71       \$2         6       None       39       \$49.30       72       \$20         7       None       40       \$48.07       73       \$20         8       None       41       \$46.90       74       \$22         9       None       42       \$45.78       75       \$22         10       None       43       \$44.72       76       \$22         11       None       44       \$43.70       77       \$24         12       None       45       \$42.73       78       \$24         13       None       46       \$41.80       79       \$24         14       None       47       \$40.91       80       \$24         15       None       48       \$40.06       81       \$23         16       None       49       \$39.24       82       \$23         18       None       50       \$38.46       83       \$23         18       <	
4       None       37       \$51.97       70       \$2         5       None       38       \$50.60       71       \$2         6       None       39       \$49.30       72       \$20         7       None       40       \$48.07       73       \$20         8       None       41       \$46.90       74       \$22         9       None       42       \$45.78       75       \$22         10       None       43       \$44.72       76       \$22         11       None       44       \$43.70       77       \$24         12       None       45       \$42.73       78       \$24         13       None       46       \$41.80       79       \$24         14       None       47       \$40.91       80       \$24         15       None       48       \$40.06       81       \$23         16       None       49       \$39.24       82       \$23         17       None       50       \$38.46       83       \$23         18       None       51       \$37.70       84       \$22         20	
5         None         38         \$50.60         71         \$2           6         None         39         \$49.30         72         \$20           7         None         40         \$48.07         73         \$20           8         None         41         \$46.90         74         \$22           9         None         42         \$45.78         75         \$22           10         None         43         \$44.72         76         \$22           11         None         44         \$43.70         77         \$24           12         None         45         \$42.73         78         \$24           13         None         46         \$41.80         79         \$24           14         None         47         \$40.91         80         \$24           15         None         48         \$40.06         81         \$23           16         None         49         \$39.24         82         \$23           17         None         50         \$38.46         83         \$23           18         None         51         \$37.70         84         \$22 <t< td=""><td></td></t<>	
6         None         39         \$49.30         72         \$20           7         None         40         \$48.07         73         \$20           8         None         41         \$46.90         74         \$22           9         None         42         \$45.78         75         \$22           10         None         43         \$44.72         76         \$22           11         None         44         \$43.70         77         \$24           12         None         45         \$42.73         78         \$24           13         None         46         \$41.80         79         \$24           14         None         47         \$40.91         80         \$24           15         None         48         \$40.06         81         \$23           16         None         49         \$39.24         82         \$23           17         None         50         \$38.46         83         \$23           18         None         51         \$37.70         84         \$22           20         \$96.15         53         \$36.28         86         \$22	
7         None         40         \$48.07         73         \$26           8         None         41         \$46.90         74         \$22           9         None         42         \$45.78         75         \$22           10         None         43         \$44.72         76         \$22           11         None         44         \$43.70         77         \$24           12         None         45         \$42.73         78         \$24           13         None         46         \$41.80         79         \$24           14         None         47         \$40.91         80         \$24           15         None         48         \$40.06         81         \$23           16         None         49         \$39.24         82         \$23           17         None         50         \$38.46         83         \$23           18         None         51         \$37.70         84         \$22           20         \$96.15         53         \$36.98         85         \$22           21         \$91.57         54         \$35.61         87         \$22	
8       None       41       \$46.90       74       \$22         9       None       42       \$45.78       75       \$22         10       None       43       \$44.72       76       \$22         11       None       44       \$43.70       77       \$24         12       None       45       \$42.73       78       \$24         13       None       46       \$41.80       79       \$24         14       None       47       \$40.91       80       \$24         15       None       48       \$40.06       81       \$23         16       None       49       \$39.24       82       \$23         17       None       50       \$38.46       83       \$23         18       None       51       \$37.70       84       \$22         20       \$96.15       53       \$36.98       85       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21 <td< td=""><td></td></td<>	
9 None 42 \$45.78 75 \$22 10 None 43 \$44.72 76 \$22 11 None 44 \$43.70 77 \$24 12 None 45 \$42.73 78 \$24 13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$22	
10 None 43 \$44.72 76 \$22 11 None 44 \$43.70 77 \$24 12 None 45 \$42.73 78 \$24 13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
11 None 44 \$43.70 77 \$24 12 None 45 \$42.73 78 \$24 13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
12 None 45 \$42.73 78 \$24 13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
13 None 46 \$41.80 79 \$24 14 None 47 \$40.91 80 \$24 15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
14       None       47       \$40.91       80       \$24         15       None       48       \$40.06       81       \$23         16       None       49       \$39.24       82       \$23         17       None       50       \$38.46       83       \$23         18       None       51       \$37.70       84       \$22         19       None       52       \$36.98       85       \$22         20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
15 None 48 \$40.06 81 \$23 16 None 49 \$39.24 82 \$23 17 None 50 \$38.46 83 \$23 18 None 51 \$37.70 84 \$22 19 None 52 \$36.98 85 \$22 20 \$96.15 53 \$36.28 86 \$22 21 \$91.57 54 \$35.61 87 \$22 22 \$87.41 55 \$34.96 88 \$21 23 \$83.61 56 \$34.34 89 \$21 24 \$80.12 57 \$33.73 90 \$21 25 \$76.92 58 \$33.15 91 \$21 26 \$73.96 59 \$32.59 92 \$20 27 \$71.22 60 \$32.05 93 \$20	
16       None       49       \$39.24       82       \$23         17       None       50       \$38.46       83       \$23         18       None       51       \$37.70       84       \$22         19       None       52       \$36.98       85       \$22         20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
17       None       50       \$38.46       83       \$23         18       None       51       \$37.70       84       \$22         19       None       52       \$36.98       85       \$22         20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
18       None       51       \$37.70       84       \$22         19       None       52       \$36.98       85       \$22         20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
19       None       52       \$36.98       85       \$22         20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
20       \$96.15       53       \$36.28       86       \$22         21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
21       \$91.57       54       \$35.61       87       \$22         22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
22       \$87.41       55       \$34.96       88       \$21         23       \$83.61       56       \$34.34       89       \$21         24       \$80.12       57       \$33.73       90       \$21         25       \$76.92       58       \$33.15       91       \$21         26       \$73.96       59       \$32.59       92       \$20         27       \$71.22       60       \$32.05       93       \$20	
23       \$83.61       56       \$34.34       89       \$21.         24       \$80.12       57       \$33.73       90       \$21.         25       \$76.92       58       \$33.15       91       \$21.         26       \$73.96       59       \$32.59       92       \$20.         27       \$71.22       60       \$32.05       93       \$20.	
24       \$80.12       57       \$33.73       90       \$21.         25       \$76.92       58       \$33.15       91       \$21.         26       \$73.96       59       \$32.59       92       \$20.         27       \$71.22       60       \$32.05       93       \$20.	
25 \$76.92 58 \$33.15 91 \$21. 26 \$73.96 59 \$32.59 92 \$20. 27 \$71.22 60 \$32.05 93 \$20.	
26 \$73.96 59 \$32.59 92 \$20. 27 \$71.22 60 \$32.05 93 \$20.	
27 \$71.22 60 \$32.05 93 <b>\$20</b> .	
00 444.4	
28 \$68.68 61 \$31.52 94 \$20.	
29 \$66.31 62 \$31.01 95 \$20.	
30 \$64.10 63 \$30.52 96 <b>\$2</b> 0.	
31 \$62.03 64 \$30.04 97 \$19.	
32 \$60.00	
33 \$58.27 66 \$29.13 99 \$19.	

### Numerical Place of Birth Code List

Code	Entry	Code	Entry
000	Not Applicable	415	Colombia
001	United States of America	416	Ecuador
060	American Samoa	418	French Guiana
065	Canal Zone	419	British Guiana
066	Guam		Guyana
072	Puerto Rico	420	Paraguay
075	Trust Territory of the Pacific Islands	421	Peru
078	Virgin Island (U.S.),	422	Surinam
0,0	Virgin Islands		Dutch Guiana
	St. Croix,	423	Uruguay
	St. John,	424	Venezuela
	St. Thomas	430	
099	United States, outlying areas or	431	Belize,
000	United States Possessions		British Honduras
	(Not specified)	432	
110	Africa	433	
122	Cape Verde	434	Guatemala
124	Ghana	435	Honduras
125	French Guiana	436	Mexico
127	Ivory Coast	437	_
128	Liberia	438	
131	Niger	439	
132	Nigeria	440	
140	Eastern Africa	441	British West Indies
144	Ethiopia	442	2 Bahamas
146	Kenya	443	
150	Somalia	444	
155	Southern Rhodesia	446	
100	Zimbabwe	448	
157	Uganda	450	
160	North Africa	451	
162	Egypt, Arab Republic of Egypt, U.A.R.	452	
	United Arab Republic	453	
164	Morocco	45	5 St. Martin
170	Central Africa		St. Kitts, St. Kitts-Nevis-Auguilla
173	Central African Republic	45	
175	Brazzaville	45	
176	Congo (Not Specified)	45	
179	Zaire, (Kinshasa),		Trinidad,
	Democratic Republic of Congo		Trinidad and Tobago
184	South Africa, Union of South Africa	50	
300	North America	50	
301	Bermuda		Mainland China,
302	Canada, British Columbia, Ontario,		People Republic of China
	Quebec	50	
400	Latin America	50	•
410	South America	50	
411	Argentina	50	5 Korea (North)
412	Bolivia		Peoples Democratic Republic of Korea)
413	Brazil	50	
	Brasil		Republic of Korea
414	Chile		

Code	Entry	Code	Entry
509	Republic of China	700	Central Europe,
	Taiwan,		Europe
	Formosa	710	Western Europe
600	South Asia	711	Austria
612	Bangladesh,	712	Belgium
	East Pakistan	713	France
613	Libya	714	Liechtenstein
614	India	715	Luxembourg,
615	Iran,		Luxembourg
	Persia	717	Holland,
618	Pakistan, West Pakistan		Netherlands
619	Sri Lanka,	718	Switzerland
	Ceylon	719	Germany,
620	Southern Asia,		Federal Republic of Germany,
	Indochina		West Germany
622	Burma	720	Southern Europe
624	Indonesia	721	Albania
	Dutch East Indies	723	Crete
625	Cambodia (Kampuchea)	724	Greece
626	Laos	725	ltaly
627	Malaysia	727	Portugal,
628	Philippines		Azores Islands
629	Singapore	729	Spain
630	Thailand	731	Croatia,
631	Vietnam,		Yugoslavia
	North	740	Eastern Europe
	South	741	Bulgaria
633	South Vietnam	742	Czechoslovakia
640	Middle East	743	East Germany,
641	Bahrain		German Democratic Republic
642	Cyprus	744	Hungary
644	Iraq	745	Poland
645	Israel	746	Romania, Rumania
646	Jordan	749	Scandinavia
647	Kuwait	500	Northern Europe
648	Lebanon	751	Denmark
652	Saudi Arabia	753	Finland
653	Syria	755	Ireland
654	Turkey		Ireland (Eire)
655	United Arab Emirates	756	Norway
690	Asia		

#### Specific Metropolitan Identifiers

The specific metropolitan identifiers on this file are based on the Office of Management and Budget's June 30, 1984 definitions and are ranked according to Census Bureau population estimates for July 1, 1983. Identification of CMSA's is based solely on the CMSA/MSA rank code (See List 1). MSA's can be Identified by using either the CMSA/MSA rank code (List 1) or the FIPS MSA/PMSA code (List 4). PMSA's can be Identified by either the FIPS MSA/PMSA code (List 4) or a combination of the CMSA/MSA rank codes and the PMSA rank code (List 2). Identification of Individual central cities is based on a combination of codes (See List 3). Individual central cities are identified by the appropriate central city code and the FIPS MSA/PMSA code or the appropriate central city code, the CMSA/MSA rank code, and, if necessary, the PMSA rank code. Some examples of the proper coding of specific metropolitan areas are given below.

<u>AREA</u>	CMSA/ MSA RANK (MSARANK) List 1	PMSA RANK CODE (PMSARANK) List 2	INDIVIDUAL CENTRAL CITY CODE (CCCODE) List 3	FIPS MSA/PMSA CODE (SMSAFIPS) List 4
Dallas-Fort Worth, TX CMSA	010	N/C	N/C	N/C
Fort Worth-Arlington, TX PMSA	010	02	N/C	N/C
OR	N/C	N/C	N/C	2800
Fort Worth, TX Central City	010	02	1	N/C
OR	N/C	N/C	1	2800
Phoenix, AZ MSA	023	N/C	N/C	N/C
OR	N/C	N/C	N/C	6200
Mesa, AZ Central City	023	N/C	2	N/C
OR	N/C	N/C	2	6200
Burlington, VT MSA	224	N/C	N/C	N/C
OR	N/C	N/C	N/C	1305

N/C = No Code Required

#### NOTES:

- 1. Do not attempt to tally CMSA totals by summing Identified PMSA's. The specific PMSA identification for some PMSA 's is suppressed while the specific CMSA for those areas is available. The New Hampshire portion of the Boston CMSA is an example of this. While specific identification of Nashua and the Lawrence-Haverill and Lowell portions is suppressed, all areas are coded as being in the Boston CMSA.
- 2. Many of the smaller metropolitan areas in sample do not contain central city/balance breakdowns and hence, are coded "not Identifiable" in the central city metropolitan statistical area residence status code (CCCSMSA). It is recommended that this code in conjunction with the modified metropolitan statistical area residence status code (MSTSMSAR) be used for tallying metropolitan residence status for national and other grouped data.

# LIST 1: CMSA/MSA 1983 RANK CODES (MSARANK)

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA <u>CODE</u>	CMSA/MSA TITLE
204		New York-New Jersey-Long Island, NY-NJ CMSA
001		Los Angeles-Anaheim-Riverside, CA CMSA
002		Chicago-Gary-Lake County, IL-IN-WI CMSA (Wisconsin portion not in sample)
003		Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
004		(Maryland portion suppressed)
005		San Francisco-Oakland-San Jose, CA CMSA
005		Detroit-Ann Arbor, MI CMSA
007		Boston-Laurence-Salem, MA-NH CMSA
000		Houston-Galveston-Brazoria, TX CMSA
009	8040	Washington, DC-VA MSA
010	,	Dallas-Fort Worth, TX CMSA
011		Cleveland-Akron-Lorain, OH CMSA
012		Miami-Fort Lauderdale, FL CMSA
013		Pittsburgh-Deaver Valley, PA CMSA
014		St. Louis, MO-IL CMSA
015	0520	Atlanta, GA MSA
016	0720	Baltimore, MD MSA
017	5120	Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
010		Seattle-Tacoma, WA CMSA
019	7320	San Diego, CA MSA
020	0280	Tampa-St. Petersburg-Clearwater, FL MSA
021		Denver-Boulder, CO CMSA
022		Cincinnati-Hamilton, OH-KY-IN CMSA (Indiana portion not identified)
023	6200	Phoenix, AZ MSA
024		Milwaukee-Racine, WI CMSA
025	3760	Kansas City, MO-KS MSA
026		Portland-Vancouver, OR-WA CMSA
027	5560	New Orleans, LA MSA
020	1040	Columbus, OH MSA
029	5720	Norfolk-Virginia Beach-Newport News, VA MSA
030		Buffalo-Niagara Falls, NY CMSA
031	6920	Sacramento, CA MSA
032	3480	Indianapolis, IN MSA
033	<b>7</b> 240	San Antonio, TX MSA
034		Providence-Pawtucket-Fall River, RI-MA CMSA Charlotte-Gastonia-Rock Hill, NC-SC MSA
035	1520	Hartford-New Britian-Middletown, CT CMSA
036	7400	Salt Lake City-Ogden, UT MSA
037	7160	Rochester, NY MSA
030	6840	Oklahoma City, OK MSA
039	5880	Louisville, KY-IN MSA
040	4520	Dayton-Springfield, OH MSA
041	2000 4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
042 043	1000	Birmingham, AL MSA
	5360	Nashville, TN MSA
044	3120	Greenboro-Winston Salem-High Point, NC MSA
045 046	0160	Albany-Schenectady-Troy NY MSA
040	0100	ribuily continuously may man

CMSA/	FIPS	
MSA	MSA/	
RANK	PMSA	ONO A (MOA TITLE
CODE	CODE	CMSA/MSA TITLE
047	3320	Honolulu, HI MSA
048	5960	Orlando, FL MSA
049	6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
050	3600	Jacksonville, FL MSA
051	7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
052	0560	Tulsa, OK MSA
053	8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
054 055	8160 0340	Syracuse, NY MSA
056	0240 0640	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified) Austin, TX MSA
057	3000	Grand Rapids, MI MSA
058	8400	Toledo, OH MSA
059	5920	Omaha, NE-IA MSA (lowa portion not identified)
060	6640	Raleigh-Durham, NC MSA
061	3160	Greenville-Spartanburg, SC MSA
062	3840	Knoxville, TN MSA
063	8520	Tucson, AZ MSA
064	3240	Harrisonburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
065	2840	Fresno, CA MSA
066	0760	Baton Rouge, LA MSA
067	9320	Youngstown-Warren, OH MSA
068	4120	Las Vegas, NV MSA
069	8000	Springfield, MA MSA
070	2320	El Paso, TX MSA
071	5480	New Haven-Meriden, CT MSA
072	4400	Little Rock-North Little Rock, AR MSA
073	1440	Charleston, SC MSA
074	5160	Mobile, AL MSA (Baldwin county not in sample)
075	0680	Bakersfield, CA MSA
076	3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
077 078	2640	Flint, MI MSA
078 079	0200 9040	Albuquerque, NM MSA Wichita, KS MSA
080	1760	Columbia, SC MSA
081	1560	Chattanooga, TN-GA MSA (Marion and Sequatchie counties
001	1300	Tennessee not in sample)
082	6960	Saginaw-Bay City-Midland, MI MSA
083	4040	Lansing-East Lansing, MI MSA
084	9240	Worcester, MA MSA
085	1320	Canton, OH MSA
086	0840	Beaumont-Port Arthur, TX MSA
087	9280	York, PA MSA
088	1960	Davenport-Rock Island-Moline, IA-IL MSA
089	8120	Stockton, CA MSA
090	2120	Des Moines, IA MSA (Dallas county not in sample)
091	4000	Lancaster, PA MSA
092	3560	Jackson, MS_MSA
093	6120	Peoria, IL MSA
094	0600	Augusta, GA-SC, MSA
095	1880	Corpus Christi, TX MSA
096	7680	Shreveport, LA MSA
097	2760	Fort Wayne, IN MSA
098	7840	Spokane, WA MSA

		·
CMSA/	FIPS	
MSA	MSA/	
RANK	PMSA	
CODE	CODE	<u>CMSA/MSA TITLE</u>
099	3980	Lakeland-Winter Haven, FL MSA
100	1720	Colorado Springs, CO MSA
101	3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio
		portions not identified)
102	4720	Madison, WI MSA
103	4880	McAllen-Edinburg-Mission, TX MSA
104	4200	Lexington-Fayette, KY MSA
105	8680	Utica-Rome, NY MSA
106	7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
107	6680	Reading, PA MSA
108	6080	Pensacola, FL MBA
109	7120	Salinas-Seaside-Monterey, CA MSA Melbourne-Titusville-Palm Bay, FL MSA
110	4900	Appleton-Oshkosh-Neenah, WI MSA
111	0460	Daytona Beach, FL MSA
112	2020	Modesto, CA MSA
113	5170 5040	Montgomery, AL MSA
115	5240 2360	Erie, PA MSA
116	6880	Rockford, IL MSA
117 118	2440	Evansville, IN-KY MSA (Kentucky portion not identified)
119	4600	Macon-Warner Robins, GA MSA
120	1400	Charleston, WV MSA
121	2400	Eugene-Springfield, OR MSA
122	0960	Binghamton, NY MSA
123	8700	Visalia-Tulare-Porterville, CA MSA
124	3680	Johnstown, PA MSA
125	2240	Duluth, MN-W! MSA (Wisconsin portion not identified)
126	5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
127	7000	Salem, OR MSA
128	6460	Poughkeepsie, NY MSA
129	2560	Fayetteville, NC MSA
130	1800	Columbus, GA-AL MSA (Alabama portion not in sample)
131	2700	Fort Myers, FL MSA
132	7000	South Bend-Mishawaka, IN MSA
133	6520	Provo-Orem, UT MSA (Central City portion only identified)
134	1240	Brownsville-Harlingen, TX MSA
135	7520	Savannah, GA MSA
136	7510	Sarasota, FL MSA
137	6000	Roanoke, VA MSA
138	4600	Lubbock, TX MSA
139	3080	Lafayette, LA MSA Killeen-Temple, TX MSA
140	3810	Springfield, MO MSA
141	7920	Kalamazoo, MI MSA
142	3720 0300	Anchorage, AK MSA
143 144	6720	Reno, NV MSA (Central City portion only identified)
145	3290	Hickory, NC MSA
146	3440	Huntsville, AL MSA
147	8000	Waterbury, CT MSA
148	8240	Tallahassee, FL MSA
149	6450	Portsmouth-Dover-Rochester, NH-ME MSA
170	0.00	(Maine portion not entirely in sample and it is not identified)
150	6400	Portland, ME MSA
151	4360	Lincoln, NE MSA
		·

CMSA/	FIPS	
MSA	MSA/	
RANK	PMSA	01401 (1401 7)71
CODE	CODE	CMSA/MSA TITLE
152	0920	Biloxi-Gulfport, MS MSA
153	3350	Houma-Thibodaux, LA MSA
154	7080	Springfield, IL MSA
156	1000	Boise City, ID MSA
157	2900	Gainesville, FL MSA
158	9000	Wheeling, WV-OH MSA (Ohio portion not identified)
161	8000	Waco, TX MSA
163	3960	Lake Charles, LA MSA
164	1360	Cedar Rapids, IA MSA
165	5400	New Bedford, MA MSA
166	1400	Champaign-Urbana-Rantoul, IL MSA
169	2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
170	1140	Bradenton, FL MBA
171	0480	Asheville, NC MSA
172	0870	Benton Harbor, MI MSA
173	8920	Waterloo-Cedar Falls, IA MSA
174	2670	Fort Collins-Loveland, CO MBA
178	<del>844</del> 0	Topeka, KA MSA (Central City portion only identified)
179	1620	Chico, CA MSA
180	5320	Muskegon, MI MSA
181	4320	Lima, OH MSA
184	5790	Ocala, FL MSA
185	3520	Jackson, MS MSA
186	5200	Monroe, LA MSA
192	8600	Tuscaloosa, AL MSA
193	0780	Battle Creek, MI MSA
194 197	0405	Anderson, SC MSA
198	5910 8320	Olympia, WA MSA Terre Haute, IN MSA
199	2650	Florence, AL MSA
201	0280	Altoona, PA MSA
202	0400	Anderson, IN MSA
203	4760	Manchester, NH MSA
204	4890	Medford, OR MBA
207	3710	Joplin, MO MSA
209	4800	Mansfield, OH MSA
211	7610	Sharon, PA MSA
216	6560	Pueblo, CO MSA
219	4200	Lawton, OK MSA
221	1040	Bloomington-Normal, IL MSA
222	2750	Fort Walton Beach, FL MSA
224	1305	Burlington, VT MSA
225	9140	Williamsport, PA MSA
226	7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231	7760	Sioux Falls, SD MSA
233	2655	Florence, SC MSA
240	0860	Bellingham, WA MSA
242	9340	Yuba City, CA MSA
246	1740	Colombia, MO MSA
247	2880	Gadsden, AL MSA
248	2580	Fayetteville-Springdale, AK MSA
252	3740	Kankakee, IL MSA

## LIST 2: PMSA 1983 RANK CODES (PMSARANK)

Note: The PMSA Rank is assigned based on a PMSA's population when compared to other PMSA's within the parent CMSA,

01104	DMCA	FIPS MSA	
CMSA	PMSA	PMSA	
RANK	RANK	CODE	PMSA TITLE
<u>CODE</u>	CODE	CODE	TWO TITEE
001	01	5600	New York, NY
	02	5380	Nassau-Suffolk, NY
	03	5640	Newark, NJ
	04	0875	Bergen-Passaic, NJ
	05	5015	Middlesex-Somerset-Hunterdon, NJ
	06	5190	Monmouth-Ocean, NJ
	07	3640	Jersey City, NJ
	08	1160	Bridgeport-Milford, CT
	09	5950	Orange County, NY
	10	8040	Stamford, CT
	11	1930	Danbury, CT
	12	5760	Norwalk, CT
002	01	4480	Los Angeles-Long Beach, CA
	02	0360	Anaheim-Santa Ana, CA
	03	6700	Riverside-San Bernardino, CA
	04	6000	Oxnard-Ventura, CA
003	01	1600	Chicago, IL
	02	2960	Gary-Hammond, IN
	03	3965	Lake County, IL
	04	3690	Joliet, IL
	05	0620	Aurora-Elgin, IL
004	01	6160	Philadelphia, PA-NJ
	02	9160	Wilmington, DE-NJ-MD (New Jersey portion
			not identified, Maryland portion suppressed.)
	03	8400	Trenton, NJ
005	01	5775	Oakland, CA
	02	7360	San Francisco, CA
	03	7400	San Jose, CA
	04	8720	Vallejo-Fairfield-Napa, CA
	05	7500	Santa Rosa-Petaluma, CA
	06	7485	Santa Cruz, CA
006	01	2160	Detroit, MI
	02	0440	Ann Arbor, MS
007	01	1120	Boston, MA
	02	4160	Lawrence-Haverill, MA-NH (New Hampshire portion
			not identified)
	03	7090	Salem-Gloucester, MA
	04	4560	Lowell, MA-NH (New Hampshire portion not identified)
	05	1200	Brockton, MA
800	01	3360	Houston, TX
	02	2920	Galveston-Texas City, TX
	03	1145	Brazoria, TX

		FIPS	•
CMSA	PMSA	MSA	
RANK	RANK	PMSA	
CODE	CODE	CODE	PMSA TITLE
010	01	1920	Dailas, TX
	02	2800	Fort Worth-Arlington, TX
011	01	1680	Cleveland, OH
	02	0800	Akron, OH
	03	4440	Lorain-Elyria, OH
012	01	5000	Miami-Hialeah, FL
	02	2600	Fort Lauderdale-Hollywood-Pompano Beach, FL
013	01	6280	Pittsburgh, PA
	02	0845	Beaver County, PA
014	01	7040	St, Louis, MO-IL (Illinois portion not identified)
018	01	7600	Seattle, WA
	02	8200	Tacoma, WA
021	01	2080	Denver, CO
	02	1125	Boulder-Longmont, CO
022	01	1640	Cincinnati, OH-KY-IN (Indiana portion not identified)
	02	3200	Hamilton-Middletown, OH
024	01	5080	Milwaukee, Wl
	02	6600	Racine, WI
026	01	6440	Portland, OR
	02	8725	Vancouver, WA
030	01	1200	Buffalo, NY
	02	5700	Niagara Falls, NY
034	01	6400	Providence, RI
	02	6060	Pawtuckett-Woonsocket-Attleboro, RI-MA
			(Rhode Island-Central City portion only identified)
036	01	3200	Hartford, CT
	02	5440	New Britain, CT

LIST 3: INDIVIDUAL CENTRAL CITY CODES (CCCODE)

CMSA/MSA RANK CODE	PMSA RANK CODE	INDIVIDUAL CENTRAL CITY CITY CODE	
(MSARANK)	(PMSARANK)	(CCCODE)	<u>ÇITY</u>
001	03	1	Newark, NJ
	•	2	Elizabeth, NJ
002	01	1	Los Angeles, CA
		2	Long Beach, CA
		3	Pasadena, CA
		0	Others
	02	1	Anaheim, CA
	00	2	Santa Ana, CA
	03	1	Riverside, CA Others
000	01	0	Chicago, IL
003	UI	0	Others
	02	1	Gary, IN
	02	0	Others
005	01	1	Oakland, CA
000	0.	o O	Others
006	01	1	Detroit, MI
•••	<del>-</del> -	0	Others
007	01	1	Boston, MA
		0	Others
010	01	1	Dallas, TX
		0	Others
	02	1	Fort Worth, TX
		2	Arlington, TX
012	01	1	Miami, FL
		0	Others
	02	1	Fort Lauderdale, FL
0.47		0	Others
017	-	1	Minneapolis, MN Others
000		0 1	Tampa, FL
020	-	Ö	Others
023	_	1	Phoenix, AZ
QL0		2	Mesa, AZ
		0	Others
029	_	1	Norfolk, VA
		2	Virginia Beach, VA
		3	Newport News, VA
		4	Hampton, VA
		0	Others
045	-	1	Greensboro, NC
		0	Others
046	-	1	Albany, NY
		0	Others
060	-	1	Raleigh, NC
600		0	Others
<b>0</b> 69	-	1	Springfield, MA
		0	Others

LIST 4: FIPS MSA/PMSA CODES (SMSAFIPS)

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
			Alrea OLL BMCA
011	02	0080	Akron, OH, PMSA
046	•	0160	Albuquergue, NM MSA
078 055		0200	Albuquerque, NM MSA Allentown-Bethlehem, PA-NJ MSA (New Jersey
033		0240	portion not identified)
201		0280	Altoona, PA MSA
002	02	0360	Anaheim-Santa Ana, CA PMSA
143	02	0380	Anchorage, AK MSA
202		0400	Anderson, IN MSA
194		0405	Anderson, SC MSA
006	02	0440	Ann Arbor, MI PMSA
111	<del>-</del>	0460	Appleton-Oshkosh-Neenaht, WI MSA
171		0480	Asheville, NC MSA
015		0520	Atlanta, GA MSA
094		0600	Augusta, GA-SC MSA
003	05	0620	Aurora-Elgin, IL PMSA
056		0640	Austin, TX MSA
075		0680	Bakersfield, CA MSA
016		0720	Baltimore, MD MSA
066		0760	Baton Rouge, LA MSA
193		0780	Battle Creek, MI MSA
086		0840	Beaumont-Port Arthur, FL MSA
013	02	0845	Beaver County, PA PMSA
240		0860	Bellingham, WA MSA
172		0870	Benton Harbor, MI MSA
001	04	0875	Bergen-Passaic, NJ PMSA
152		0920	Biloxi-Gulfport, MS MSA
122		0960	Binghamton, NY MSA
043		1000	Birmingham, AL MSA
221		1040	Bloomington-Normal, IL MSA
156		1080	Boise City, ID MSA
007	01	1120	Boston, MA PMSR
021	02	1125	Boulder-Longmont, CO PMSA
170		1140	Bradenton, FL MSA
800	03	1145	Brazoria, TX PMSA
001	08	1160	Bridgeport-Milford, CT PMSA
007	05	1200	Brockton, MA PMSA
134		1240	Brownsville-Harlingen, TX MSA
030	01	1280	Buffalo, NY PMSA
224		1305	Burlington, VT MSA
085		1320	Canton, OH MSA
164		1360	Cedar Rapids, IA MSA
166		1400	Champaign-Urbana-Rantoul, IL MSA
073		1440	Charleston, SC MSA
120		1480	Charleston, WV MSA
035		1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
081		1560	Chattanooga, TN-A MSA (Marion and Sequatchie counties Tennessee not in sample)

CMSA/	DMCA	FIPS MSA/	
MSA	PMSA	PMSA	·
RANK <u>CODE</u>	RANK <u>CODE</u>	CODE	MSA/PMSA TITLE
003	01	1600	Chicago, IL PMSA
179		1620	Chico, CA MSA
022	01	16 <del>4</del> 0	Cincinnati, OH-KY-IN PMSA (Indiana portion not identified)
011	01	1680	Cleveland, OH PMSA
100		1720	Colorado Springs, CO MSA
246		1740	Colombia, MO MSA
080		1760	Columbia, SC MSA
130		1800	Columbus, GA-AL MSA (Alabama portion not in sample)
020	•	1840	Columbus, OH MSA
095		1880	Corpus Christi, TX MSA
010	01	1920	Dallas, TX PMSA
001	11	1930	Danbury, CT PMSR
088		1960	Davenport-Rock Island-Moline, IA-IL MSA
041		2000	Dayton-Springfield, OH MSA
112	•	2020	Daytona Beach, FL MSA Denver, CO PMSA
021	01	2080	Des Moines, IA MSA (Dallas county not in sample)
090	04	2120 2160	Detroit, MI PMSA
006	01	2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
125		2320	El Paso, TX MSA
070		2360	Erie, PA MSA
116		2400	Eugene-Springfield, OR MSA
121		2440	Evansville, IN-KY MSA (Kentucky portion not identified)
118		2560	Fayetteville, NC MSA
129 248		2580	Fayetteville-Springdale, AR MSA
077		2640	Flint, MI MSA
199		2650	Florence, AL MSA
233		2655	Florence, SC MSA
174		2670	Fort Collins-Loveland, CO MSA
012	02	2680	Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA
131	ÜL.	2700	Fort Myers, FL MSA
169		2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
222		2750	Fort Walton Beach, FL MSA
097		2760	Fort Wayne, IN MSA
010	02	2800	Fort Worth-Arlington, TX PMSA
065	<del>-</del>	2840	Fresno, CA MSA
247		2880	Gadsden, AL MSA
157		2900	Gainesville, FL MSA
008	02	2920	Galveston-Texas City, TX PMSA
003	02	2960	Gary-Hammond, IN PMSA
057		3000	Grand Rapids, MI MSA
045		3120	Greenboro-Winston Salem-High Point, NC MSA
061		3160	Greenville-Spartanburg, SC MSA
022	02	3200	Hamilton-Middletown, OH PMSA
064		3240	Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
036	01	3280	Hartford, CT PMSA
145		3290	Hickory, NC MSA
047		3320	Honolulu, HI MSA
153		3350	Houma-Thibodaux, LA MSA
800	01	3360	Houston, TX PMSA

CMSA/ MSA RANK	PMSA RANK	FIPS MSA/ PMSA			
CODE	CODE	CODE	MSA/PMSA TITLE		
101		3400	Huntington-Ashland, WV-KY-OH MSA (Kentuals) and Ohio portions not identified)		
146		3440	(Kentucky and Ohio portions not identified)		
032		3480	Huntsville, AL MSA Indianapolis, IN MSA		
185		3520	Jackson, MI MSA		
092		3560	Jackson, MS MSA		
050		3600	Jacksonville, FL MSA		
001	07	3640	· · · · · · · · · · · · · · · · · · ·		
076	0,	3660	Jersey City, NJ PMSA Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)		
124		3680	Johnstown, PA MSA		
003	04	3690	Joliet, IL PMSA		
207		3710	Joplin, MO MSA		
142		3720	Kalamazoo, Mi MSA		
252		3740	Kankakee, IL MSA		
025		3760	Kansas City, MO-KS MSA		
140		3810	Killeen-Temple, TX MSA		
062		3840	Knoxville, TN MSA		
139		3880	Lafayette, LA MSA		
163	••	3960	Lake Charles, LA MSA		
003	03	3965	Lake County, IL PMSA		
099		3980	Lakeland-Winter Haven, FL MSA		
091		4000	Lancaster, PA MSA		
083		4040	Lansing-East Lansing, MI MSA		
060	22	4120	Las Vegas, NV MSA		
007	02	4160	Lawrence-Haverill, MA-NH PMSA (New Hampshire portion not identified)		
219		4200	Lawton, OK MSA		
104		4280	Lexington-Fayette, KY MSA		
181		4320	Lima, OH MSA		
151 072		4360	Lincoln, NE MSA		
	02	4400	Little Rock-North Little Rock, AK MSA		
011 002	03 01	4440	Lorain-Elyria, OH PMSA		
040	O1	4480 4520	Los Angeles-Long Beach, CA PMSA		
040	04	4560 4560	Louisville, KY-IN MSA		
138	04	4600	Lowell, MA-NH PMSA (New Hampshire portion not identified)  Lubbock, TX MSA		
119		4680	Macon-Warner Robins, GA MSA		
102		4720	Madison, WI MSA		
203		4760	Manchester, NH MSA		
209		4800	Mansfield, OH MSA		
103		4880	McAllen-Edinburg-Mission, TX MSA		
204		4890	Medford, OR MSA		
110		4900	Melbourne-Titusville-Palm Bay, FL MSA		
042		4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)		
012	01	5000	Miami-Hialeah, FL PMSA		
001	05	5015	Middlesex-Somerset-Hunterdon, NJ PMSA		
024	01	5080	Milwaukee, WI PMSA		
017		5120	Minneapolis-St, Paul, MN-WI MSA (Wisconsin portion not identified)		
074		5160	Mobile, AL MSA (Baldwin county not in sample)		

CMSA/		FIPS			
MSA	PMSA	MSA/			
RANK	RANK	PMSA	•		
CODE	CODE	CODE	MSA/PMSA TITLE		
113		5170	Modesto, CA MSA		
001	06	5190	Monmouth-Ocean, NJ PMSA		
106		5200	Monroe, LA MSA		
115		<b>524</b> 0	Montgomery, AL MSA		
100		5320	Muskegon, MI MSA .		
044		5360	Nashville, TN MSA		
001	02	5380	Nassau-Suffolk, NY PMSA		
165		5400	New Bedford, MA MSA		
036	02	5440	New Britain, CT PMSA		
071		5480	New Haven-Meriden, CT MSA		
126		5520	New London-Norwich, CT-RI MSA (Rhode Island		
007		EEGO	portion suppressed)		
027	0.1	5560 5600	New Orleans, LA MSA		
001	01	5600	New York, NY PMSA		
001	03	5640	Newark, NJ PMSA		
030	02	5700	Niagara ralls, NY PMSA		
029		5720	Norfolk-Virginia Beach-Newport News, VA MSA		
001	12	5760	Norwalk, CT PMSA		
005	01	5775	Oakland, CA PMSA		
184		5790	Ocala, FL MSA		
039		5880	Oklahoma City, OK MSA		
197		5910	Olympia, WA MSA		
059		5920	Omaha, NE-IA MSA (lowa potion not identified)		
001	09	5950	Orange County, NY PMSA		
048		5960	Orlando, FL MSA		
002	04	6000	Oxnard-Ventura, CA PMSA		
034	02	6060	Pawtuckett-Woonsocket-Attleboro, RI-MA PMSA (Rhode Island Central City portion only identified)		
100		6080	Pensacola, FL MSA		
093		6120	Peoria, IL MSA		
004	01	6160	Philadelphia, PA-NJ PMSA		
023		6200	Phoenix, AZ MSA		
013	01	6280	Pittsburgh, PA PMSA		
150		6400	Portland, ME MSA		
026	01	6440	Portland, OR PMSA		
149		6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)		
128		6460	Poughkeepsie, NY MSA		
034	01	6480	Providence, RI PMSA		
133		6520	Provo-Orem, UT MSA (Central City portion only identified)		
216		6560	Pueblo, CO MSA		
024	02	6600	Racine, WI PMSA		
060		6640	Raleigh-Durham, NC MSA		
107		6680	Reading, PA MSA		
144		6720	Reno, NV MSA (Central City portion only identified)		
049		6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg		
000	20	0700	cities not in sample)		
002	03	6780	Riverside-San Bernardino, CA PMSA		
137		6800	Roanoke, VA MSA		
038		6840	Rochester, NY MSA		

CMSA/ MSA RANK CODE	PMSA RANK <u>CODE</u>	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
117		6880	Rockford, IL MSA
031		6920	Sacramento, CA MSA
082		6960	Saginaw-Bay City-Midland, MI MSA
014	01	7040	St, Louis, FL PMSA (Illinois portion not identified)
127		7080	Salem, OR MSA
007	03	7090	Salem-Gloucester, MA PMSA
109		7120	Salinas-Seaside-Monterey, CA MSA
037		7160	Salt Lake City-Ogden, UT MSA
033		7240	San Antonio, TX MSA
019		7320	San Diego, CA MSA
005	02	7360	San Francisco, CA PMSA
005	03	7400	San Jose, CA PMSA
106		7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
005	06	7485	Santa Cruz, CA PMSA
005	05	7500	Santa Rosa-Petaluma, CA PMSA
136		7510 7500	Sarasota, FL MSA
135		7520 7520	Savannah, GA MSA Scranton-Wilkes Barre, PA MSA (Monroe county not
051		7560	in sample)
018	01	7600	Seattle, WA PMSA
211		7610	Sharon, PA MSA
096		7680	Shreveport, LA MSA
226		7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231		7760	Sioux Falls, SD MSA
132		7800	South Bend-Mishawaka, IN MSA
090		7840	Spokane, WA MSA
154		7880	Springfield, IL MSA
141		7920	Springfield, MO MSA
069		8000	Springfield, MA MSA
001	10	8040	Stamford, CT PMSA
089		8120	Stockton, CA MSA
054	00	8160	Syracuse, NY MSA
018	02	8200	Tacoma, WA PMSA
148		8240	Tallahassee, FL MSA Tampa-St, Petersburg-Clearwater, FL MSA
020		8280	Terre Haute, IN MSA
198		8320 8400	Toledo, OH MSA
058		8440 8440	Topeka, KA MSA (Central City portion only identified)
170 004	03	8480	Trenton, NJ PMSA
063	03	8520	Tucson, AZ MSA
052		8560	Tulsa, OK MSA
192	•	8600	Tuscaloosa, AL MSA
105		8680	Utica-Rome, NY MSA
005	04	8720	Vallejo-Fairfield-Napa, CA PMSA
026	02	8725	Vancouver, WA PMSA
123	<b>-</b>	8780	Visalia-Tulare-Porterville, CA MSA
161		8800	Waco, TX MSA
009		8840	Washington, DC-MD-VA MSA
147		8880	Waterbury, CT MSA
173		8920	Waterloo-Cedar Falls, IA MSA
053		8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
158		9000	Wheeling, WV-OH MSA (Ohio portion not identified)

CMSA/	•	FIPS	
MSA	PMSA	MSA/	
RANK	RANK	PMSA	
CODE	CODE	<u>CODE</u>	MSA/PMSA TITLE
079		9040	Wichita, KA MSA
225		9140	Williamsport, PA MSA
004	02	9160	Wilmington, DE-NJ-MD PMSA (New Jersey portion not identified, Maryland portion suppressed.)
004		9240	Worcester, MA MSA
087		9280	York, PA MSA
067		9320	Youngstown-Warren, OH MSA
242		9340	Yuba City, CA MSA

#### Topcoding of Usual Hourly Earnings

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is \$999. The topcode is computed such that the product of usual hours times usual hourly earnings does not exceed an annualized wage of \$100,000 (\$1,923.07 per week). Below is a list of the appropriate topcodes.

Hours	Topcode	Hours	Topcode	Hours	Topcode
1	None	34	\$56.56	67	\$28.70
2	None	35	\$54.94	68	\$28.28
3	None	36	\$53.41	69	\$27.87
4	None	37	\$51.97	70	\$27.47
5	None	38	\$50.60	71	\$27.08
6	None	39	\$49.30	72	\$26.70
7	None	40	\$48.07	73	\$26.34
8	None	41	\$46.90	74	\$25.98
9	None	42	\$45.78	75	\$25.64
10	None	43	\$44.72	76	\$25.30
11	None	44	\$43.70	77	\$24.97
12	None	45	\$42.73	78	\$24.65
13	None	46	\$41.80	79	\$24.34
14	None	47	\$40.91	80	\$24.03
15	None	48	\$40.06	81	\$23.74
16	None	49	\$39.24	82	\$23.45
17	None	50	\$38.46	83	\$23.16
18	None	51	\$37.70	84	\$22.89
19	None	52	\$36.98	85	\$22.62
20	\$96.15	53	\$36.28	<b>8</b> 6	<b>\$22.36</b>
21	\$91.57	54	\$35.61	87	\$22.10
22	\$87.41	55	\$34.96	88	<b>\$</b> 21. <b>8</b> 5
23	\$83.61	56	\$34.34	89	\$21.60
24	\$80.12	57	\$33.73	90	\$21.36
25	\$76.92	58	\$33.15	91	\$21.13
26	<b>\$73.96</b>	59	\$32.59	92	\$20.90
27	\$71.22	60	\$32.05	93	\$20.67
28	<b>\$68.68</b>	61	\$31.52	94	\$20.45
29	<b>\$66.31</b>	62	\$31.01	95	\$20.24
30	<b>\$64.10</b>	<b>6</b> 3	\$30.52	96	\$20.03
31	<b>\$62.03</b>	64	\$30.04	97	\$19.82
32	\$60.09	<b>6</b> 5	\$29.58	98	\$19.62
33	\$58.27	<del>6</del> 6	\$29.13	99	\$19.42

Source and Accuracy of the October 1989 Microdata File on School Enrollment

#### SOURCE OF DATA

The data in this microdata file come from the October 1989 Current Population Survey (CPS). The Bureau of the Census conducts the survey every month, although this file has only October 1989 data. The October 1989 survey uses two sets of questions, the basic CPS and the supplement.

**Basic CPS**. The basic CPS collects primarily labor force data about the civilian noninstitutional population. Interviewers ask questions concerning labor force participation about each member 14 years old and over in every sample household.

The present CPS sample was selected from the 1980 Decennial Census files with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. It is located in 729 areas comprising 1,973 counties, independent cities, and minor civil divisions. About 56,100 occupied housing units are eligible for interview every month. Interviewers are unable to obtain interviews at about 2,500 of these units because the occupants are not found at home after repeated calls or are unavailable for some other reason.

Since the introduction of the CPS, the Bureau of the Census has redesigned the CPS sample several times to improve the quality and reliability of the data and to satisfy changing data needs. The most recent changes were completely implemented in July 1985.

**October 1989 Supplement**. In addition to the basic CPS questions, interviewers asked supplementary questions in October 1989 about school enrollment.

Estimation Procedure. This survey's estimation procedure inflates weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, sex, race and Hispanic/non-Hispanic categories. The independent estimates were based on statistics from decennial censuses of population; statistics on births, deaths, immigration and emigration; and statistics on the size of the Armed Forces. The independent population estimates used for this microdata file were based on updates to controls established by the 1980 Decennial Census. The independent population estimates include some, but not all, undocumented immigrants.

Data available in microdata files and published for October 1972 to October 1980 were based on independent population estimates derived by updating the 1970 Decennial Census counts. Starting with the October 1981 CPS, independent estimates were based on the civilian noninstitutional population controls for age, race, and sex established by the 1980 Decennial Census.

The April 1980 census population count differed somewhat from the independent estimates of April 1980 derived by updating 1970 census population figures. The April 1980 census count of the civilian noninstitutional population was 222,420,441 compared to the 1970 census-based figure of 217,400,244 used for the CPS. Basically this difference had little impact on summary or proportional measures, such as medians and percent distributions; however, use of the new controls could have significant effects on absolute numbers. See *Comparability of Data* section below.

#### **ACCURACY OF THE ESTIMATES**

Since the CPS estimates come from a sample, they may differ from figures from a complete census using the same questionnaires, instructions, and enumerators. A sample survey estimate has two possible types of error: sampling and nonsampling. The accuracy of an estimate depends on both types of error, but the full extent of the nonsampling error is unknown. Consequently, one should be particularly careful when interpreting results based on a relatively small number of cases or on small differences between estimates. The standard errors for CPS estimates primarily indicate the magnitude of sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure systematic biases in the data. (Bias is the average over all possible samples of the differences between the sample estimates and the desired value.)

**Nonsampling Variability.** Nonsampling errors can be attributed to many sources. These sources include the inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, respondents' inability or unwillingness to provide correct information or to recall information, errors made in data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

CPS undercoverage results from missed housing units and missed persons within sample households. Compared to the level of the 1980 Decennial Census, overall CPS undercoverage is about 7 percent. CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races combined than for Whites. As described previously, ratio estimation to independent age-sex-race-Hispanic population controls partially corrects for the bias due to undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics from those of interviewed persons in the same age-sex-race-Hispanic group. Furthermore, the independent population controls have not been adjusted for undercoverage in the 1980 census.

For additional information on nonsampling error including the possible impact on CPS data when known, refer to Statistical Policy Working Paper 3, *An Error Profile: Employment as Measured by the Current Population Survey*, Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, 1978 and Technical Paper 40, *The Current Population Survey: Design and Methodology*, Bureau of the Census, U.S. Department of Commerce.

Comparability of Data. Data obtained from the CPS and other sources are not entirely comparable. This results from differences in interviewer training and experience and in differing survey processes. This is an example of nonsampling variability not reflected in the standard errors. Use caution when comparing results from different sources.

Caution should also be used when comparing estimates obtained from this microdata file, which reflect 1980 census-based population controls, with estimates for 1980 and earlier years, which reflect 1970 census-based population controls. This change in population controls had relatively little impact on summary measures such as means, medians, and percentage distributions, but did have a significant impact on levels. For example, use of 1980 based population controls results in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for data collected in 1981 and later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain subpopulation groups than for the total population.

In 1985 a revised survey weighting procedure was introduced for persons of Hispanic origin. In previous years, weighted sample results were inflated to independent estimates of the civilian noninstitutional population by age, sex, and race. There were no specific controls of the survey estimates for the Hispanic population. Since then, the Bureau of the Census developed independent population controls for the Hispanic population by sex and detailed age groups. Revised weighting procedures incorporate these new controls.

The independent population estimates include some, but not all undocumented immigrants. The 1980 census counted about 2 million undocumented immigrants according to the Census Bureau estimates. Beginning in January 1986, the independent population controls included an allowance for growth in the undocumented population for every year since 1980. This methodological change was partially offset by another change that increased the allowance for emigration of legal residents. Data shown for Current Population Surveys with controls based on pre-1986 methods have not been revised to take into account these methodological changes. Consequently, direct comparisons of CPS figures for months before January 1986 with later months will not be consistent. Series P-25, No. 985 reviews the postcensus population estimates methodology currently in use.

Note When Using Small Estimates. Because of the large standard errors involved, summary measures (such as medians and percentage distributions) probably do not reveal useful information when computed on a smaller base than 75,000. Take care in the interpretation of small differences. For instance, even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

**Sampling Variability**. Sampling variability is variation that occurred by chance because a sample was surveyed rather than the entire population. Standard errors, as calculated by methods described later in "Standard Errors and Their Use," are primarily measures of sampling variability, although they may include some nonsampling error.

**Standard Errors and Their Use.** A number of approximations are required to derive, at a moderate cost, standard errors applicable to estimates from this microdata file. Instead of providing an individual standard error for each estimate, parameters are provided to calculate standard errors for each type of characteristic. These parameters are listed in Table I.

The sample estimate and its standard error enable one to construct a confidence interval, a range that would include the average result of all possible samples with a known probability. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

A particular confidence interval may or may not contain the average estimate derived from all possible samples. However, one can say with specified confidence that the interval includes the average estimate calculated from all possible samples.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. One common type of hypothesis is that the population parameters are different. An example of this would be comparing the proportion of males 18-21 years old enrolled in college to the proportion of females in the same age group enrolled in college.

Tests may be performed at various levels of significance, where a significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. To conclude that two parameters are different at the 0.10 level of significance, for example, the absolute value of the estimated difference between characteristics must be greater than or equal to 1.6 times the standard error of the difference.

The Census Bureau uses 90-percent confidence intervals and 0.10 levels of significance to determine statistical validity. Consult standard statistical textbooks for alternative criteria.

Standard Errors of Estimated Numbers. The approximate standard error, sx, of an estimated number from this microdata file can be obtained using the formula,

$$s_{x} = \sqrt{-(b/T)x^{2} + bx} \tag{1}$$

Here x is the size of the estimate, T is the total number of persons in a specific age group, and b is the parameter in Table I associated with the particular type of characteristic. If T is not known, for Total or White use 100,000,000; for Black or Hispanic use 10,000,000. When calculating standard errors for numbers from cross-tabulations involving different characteristics, use the parameter for the characteristic which will give the largest standard error.

Illustration.

In October 1989 there were 2,898,000 children 3 and 4 years old enrolled in school and 7,405,000 children in that age group. Using formula (1) with b = 3,203 from Table I and T = 7,405,000, the approximate standard error of 2,898,000 is

$$s_X = \sqrt{-\frac{3,203}{7,405,000}} (2,898,000)^2 + (3,203)(2,898,000) = 75,000.$$

So the 90-percent confidence interval for the number of children aged 3 and 4 enrolled in school is from 2,778,000 to 3,018,000, i.e., 2,898,000  $\pm$  1.6(75,000). A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

**Standard Errors of Estimated Percentages**. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the parameter from Table I indicated by the numerator. The approximate standard error, sx,p, of an estimated percentage can be obtained by use of the formula

$$s_{X,p} = \begin{bmatrix} b \\ - p(100 - p) \\ x \end{bmatrix}$$
 (2)

Here x is the total number of persons, families, households, or unrelated individuals in the base of the percentage, p is the percentage ( $0 \le p \le 100$ ), and b is the parameter in Table I associated with the characteristic in the numerator of the percentage.

Illustration.

In October 1989, of the 14,189,000 persons 18 to 21 years old, 39.7 percent were enrolled in college. Using formula (2) with b = 2,744 from Table I, the standard error of 39.7 percent is approximately

$$s_{x,p} = \frac{2,744}{14,189,000} (39.7)(100.0 - 39.7) = 0.7.$$

So the 90-percent confidence interval for the estimated percentage of persons aged 18 to 21 enrolled in college is from 38.6 percent to 40.8 percent, i.e.,  $39.7 \pm 1.6(0.7)$ . Standard Error of a Difference. The standard error of the difference between two sample estimates is approximately equal to

$$s_{X-y} = \sqrt{s_X^2 + s_y^2}$$
 (3)

where  $s_X$  and  $s_Y$  are the standard errors of the estimates, x and y. The estimates can be numbers, percentages, ratios, etc. This will represent the actual standard error quite accurately for the difference between estimates of the same characteristic in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. However, if there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

Illustration.

In October 1989, of the 6,995,000 males 18 to 21 years old, 37.9 percent were enrolled in college and of the 7,194,000 females of the same age group, 41.5 percent were enrolled in college. The apparent difference between the two groups is 3.6 percent. Using formula (2) with b=2,744 from Table I, the approximate standard errors of 37.9 percent,  $s_X$ , and 41.5 percent,  $s_Y$ , are both 1.0. Using formula (3) with these standard errors, the approximate standard error of the difference 3.6 percent is

$$s_{X-y} = \sqrt{(1.0)^2 + (1.0)^2} = 1.4.$$

This means the 90-percent confidence interval around the difference is from 1.4 percent to 5.8 percent, i.e., 3.6  $\pm$  1.6(1.4). Because this interval does not contain zero, we can conclude with 90 percent confidence that the proportion of females aged 18 to 21 enrolled in college is greater than that for males.

Table I. Standard Error Parameters for School Enrollment

Type of Characteristic	<u>b Parameters</u>				
Persons enrolled in school 3-34 years old: Total or White Black Hispanic origin	2,744 3,086 3,086				
14-34 years old: Total or White Black Hispanic origin	2,744 3,086 3,086				
Children enrolled in school 3-13 years old: Total or White Black Hispanic origin	3,203 3,203 3,203				

#### **ATTACHMENT 19**

Supplement Glossary

# **Definitions and Explanations**

Population coverage. The figures in this report for October 1987 and 1988 are sample survey data and related to the civilian noninstitutional population of the 50 States and the District of Columbia. The estimation procedure used for this survey involves the inflation of the weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, sex, race, and Hispanic origin. These independent estimates are based on civilian noninstitutional population counts from the decennial censuses and are updated with statistics on births, deaths, immigration, and emigration and statistics on the strength of the Armed Forces. Data published for 1972 through 1980 were based on independent population estimates derived by updating the 1970 decennial census counts. Starting with the data collected in the October 1981 Current Population Survey (CPS), independent estimates were based on civilian noninstitutional population controls for age, race, and sex established by the 1980 decennial census.

The April 1980 census population count differed somewhat from the independent estimates for April 1980 derived by updating 1970 census population figures. The April 1980 census count of the civilian noninstitutional population was 222,420,441, compared with the 1970 census-based figure of 217,400,244 used for the CPS. Basically, this difference had little impact on summary or proportional measures, such as medians and percent distributions; however, use of the new controls could have had significant effect on the absolute numbers.

School enrollment. The school enrollment statistics from the current survey are based on replies to the interviewer's inquiry whether the person was enrolled in regular school. Interviewers were instructed to count as enrolled anyone who had been enrolled at any time during the current term or school year in any type of public, parochial, or other private school in the regular school system. Such schools include nursery schools, kindergartens, elementary schools, high schools, colleges, universities, and professional schools. Attendance may be on either a full-time, or part-time basis and during the day or night. Regular schooling is that which may advance a person toward an elementary or high school diploma, a college, university, or professional school degree. Children enrolled in nursery schools and kindergarten are included in the enrollment figures for regular schools and are also shown separately.

Enrollment in schools which are not in the regular school system, such as trade schools, business colleges, and schools for the mentally handicapped, which do not advance students to regular school degrees, is not included.

Persons enrolled in classes which do not require physical presence in school, such as correspondence courses or other courses of independent study, and in training courses given directly on the job, are also excluded from the count of those enrolled in school, unless such courses are being counted for credit at a regular school.

Level of school. The statistics on level of school indicate the number of persons enrolled at each of five levels—nursery school, kindergarten, elementary school (1st to 8th grades), high school (9th to 12th grades), and college or professional school. The last group includes graduate students in colleges or universities. Persons enrolled in elementary, middle school, intermediate school or junior high school through the eighth grade are classified as in elementary school. All persons enrolled in 9th through 12th grade are classified as in high school.

Nursery school. A nursery school is defined as a group or class that is organized to provide educational experiences for children during the year or years preceding kindergarten. It includes instruction as an important and integral phase of its program of child care. Private homes in which essentially custodial care is provided are not considered nursery schools. Children attending nursery school are classified as attending during either part of the day or the full day. Part-day attendance refers to those who attend either in the morning or in the afternoon, but not both. Full-day attendance refers to those who attend in both the morning and the afternoon.

**Head Start.** Children enrolled in Head Start programs or similar programs sponsored by local agencies to provide preschool education to young children are counted under nursery school or kindergarten as appropriate.

Public or private school. In this report, a public school is defined as any educational institution operated by publicly elected or appointed school officials and supported by public funds. Private schools include educational institutions established and operated by religious

bodies, as well as those which are under other private control. In cases where enrollment was in a school or college which was both publicly and privately controlled or supported, enrollment was counted according to whether it was primarily public or private.

Modal grade. Enrolled persons are classified according to their relative progress in school: that is, whether the grade or year in which they were enrolled was below, at, or above the modal (or typical) grade for persons of their age at the time of the survey. The modal grade is the year of school in which the largest proportion of students of a given age is enrolled.

Annual Dropout Rate. The annual high school dropout rate is the proportion of a group of students who drop

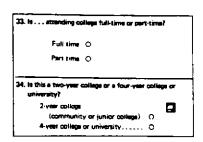
out of school in a single year. This is different from a stock (or status) measure such as the proportion of an age group who are high school dropouts (not enrolled in school, not high school graduates, shown in table 1), which does not depend on when they dropped out. A third measure of dropouts is the cohort measure, most commonly from a longitudinal study, in which one calculates the proportion of a specific group of people enrolled in a specific year, who had not received diplomas some years later. For example, the proportion of a cohort enrolled in ninth grade in year X, who had not received a diploma by year X + 4.

Calculation of dropout rate. Annual dropout rates for a single grade may be estimated as the ratio of an esti-

### **Basic School Enrollment Supplement**

(Questions included in the October CPS since 1967)

29. INTERVIEWER CHECK ITEM								
School enrollment status (Trenscribe from 25e)								
Yes O No O (VERIFY 30)								
Blank O (ASK 30)								
30. ts attending or enrolled in regular school?								
V= 0 (45°10) -								
No () (SKIP to 39)								
***								
31. is enrolled in public or private school?								
Public () Presse ()								
32. What grade or year is attending?								
Elementary								
12345678								
00000000}								
High School )(GO 70 35)								
9 10 11 12								
( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (								
<u>College</u>								
21 22 73 24 25 26+								
000000								
(If entry in 250								
SKIP TO Item 34, OTHERWISE, esk item 33)								
1								



39. (For persons enrolled in college (21–26+ in item 32) read the permethetical phrists in items 39–44.)

Excluding (regular college courses and) on the job training is ... taking any business, vectorial, scretarial, trade, or correspondence courses?

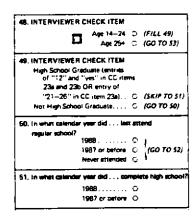
Yes. O. (ASK 40)

No. O. (SKIP TO 45)

45. Was . . . ettending or enrolled in a regular achool or mollege in October, 1987, that is, October of last year?

Yes. C. (ASK 45)

No. C. (SKIP TO 47)



mate of the number of persons who dropped out of that grade to an estimate of the number enrolled in that grade at the start of the year preceding the survey, using data presented in this report, as follows:

Persons reported as enrolled last year but not currently enrolled are presented in table 8 by the highest grade completed and are presumed to have dropped out of the grade succeeding that one. Thus, individuals counted as 10th grade dropouts are those not enrolled in school whose highest grade completed is the 9th grade. (They include not only those persons who were enrolled in the 10th grade in the Fall of the year preceding the survey and left school without completing the year, but also those persons who finished the 9th grade in the Spring preceding the survey and were not enrolled at the survey date.) These estimates form the numerators of estimates of the annual grade-specific dropout rate.

Persons currently enrolled in high school are presumed to have successfully completed and been enrolled in the preceding grade in the preceding year. Thus, successful completers of the 10th grade are enrolled in the 11th grade. Along with the persons who dropped out of that grade, they comprise the denominator of the estimate of the annual grade-specific dropout rate.

 Dropout from grade n
 Not enrolled and highest grade completed = n-1

 Enrolled in grade n+ 1
 Not enrolled and highest grade completed = n-1

Since persons who complete the 12th grade cannot be presumed to enroll in college, the estimate of the number of persons enrolled in the 12th grade one year prior to the survey is constructed as the sum of the number of persons reported as having graduated from high school "this year" in table 8 (both those enrolled in the first year of college and persons not currently enrolled whose highest grade completed is the 12th grade) and those persons not currently enrolled who were enrolled last year and whose highest grade completed is the 11th grade (dropouts).

The following chart shows the components of the annual dropout rate calculation for each grade. Age, gender, and race or ethnic groups used are the responsibility of the analyst.

	Numerator	Denominator					
Oropped out of grade	Not currently enrolled and highest grade =	Current grade in which enrolled =	Not currently enrolled and highest grade =				
9	8	10	8				
10	9	11	9				
11	10	12	10				
12	11	College 1	11				
	•	+ (not enrolled, complete					
		12 and grade	uated this year)				
	<u>[</u>						

See CPR Series P-20, No. 413, School Enrollment— Social and Economic Characteristics of Students: October 1983, for a discussion of dropout rates and calculation of rates for previous years.

College enrollment. The college enrollment statistics are based on replies to the interviewer's inquiry as to whether the person was attending or enrolled in college. Interviewers were instructed to count as enrolled anyone who had been enrolled at any time during the current term or school year, except those who have left for the remainder of the term. Thus, regular college enrollment includes those persons attending a 4-year or 2-year college, university, or professional school (such as medical or law school) in courses that may advance the student toward a recognized college or university degree (e.g., BA or MA). Attendance may be either full time or part time, during the day or night. The college student need not be working toward a degree, but he/she must be enrolled in a class for which credit would be applied toward a degree. (See "school enrollment")

Two-year and four-year colleges. College students were asked to report whether the college in which they were enrolled was a 2-year college (junior or community college) or a 4-year college or university. Students enrolled in the first 4 years were classified by the type of college they reported. Type of college is shown in tables for undergraduates only. Graduate students are shown as a separate group.

Revisions in processing and tabulations have resulted in data for 1987 and 1988 not strictly comparable to data published for earlier years. In tabulations for years prior to 1987, students in the fourth academic year of college were assumed to be in a 4-year college or university regardless of the type of college they reported (74,000 fourth-year students were reported enrolled in 2-year colleges in 1986 on the questionnaire but included in 4-year colleges in the tabulations). Also before 1987, type of college was not allocated for students who did not report (about 250,000 students in the first to third year in 1986). Revised edit and allocation procedures for 1987 and 1988 increased the estimated number of college students, which also increased the numbers of persons reported in 2-year and 4-year colleges. The following table shows data for 1986 using both the revised and old processing and tabulation systems. The differences are due to procedural changes rather than real change:

Undergraduates (X 1000)	Revised	Old	Difference
14 to 34 years old	3,087 6,011	8,972 2,831 5,892 249	126 256 119 -249

Full-time and part-time attendance. College students were classified, in this report, according to whether they were attending school on a full-time or part-time basis. A student was regarded as attending college full time if he/she was taking 12 or more hours of classes during the average school week, and part time if he/she was taking less than 12 hours of classes during the average school week.

School enrollment in year preceding current survey. An inquiry on enrollment in regular school or college in October of the preceding year was asked for all persons (enrolled and not enrolled). In years before 1988, the question was asked only of persons who were not currently attending regular school or were enrolled in college. In the tabulations of persons enrolled in sec-

currently attending regular school or were enrolled in college. In the tabulations of persons enrolled in secondary school in the previous year (tables 8 and 27), persons currently enrolled in high school are assumed to have been enrolled the previous year.

Vocational school enrollment. Vocational school enrollment includes enrollment in business, vocational, technical, secretarial, trade, or correspondence courses which are not counted as regular school enrollment and are not for recreation or adult education classes. Courses counted as college enrollment should not also be included as vocational. (Vocational school enrollment data in tables 14 and 33 are incorrect. The vocational data lines comprise persons enrolled in vocational courses and college, rather than those not enrolled in college, but enrolled in vocational courses.)

Comparability of enrollment data in previous years.

Changes in the edit and tabulation packages used in processing the October CPS school enrollment supplement have caused some minor revisions in the estimates. The current edit and tabulation package will be used beginning with 1987 data. The 1986 data which were published in CPR series P-20 No. 429, were reprocessed with the rewritten programs in order to clarify comparability. Tables A-1 to A-5 contain enrollment data in time series. In each table, there are two presentations for 1986. The original was from the edit and tabulation package used for this data series from 1967 to 1986. The revised version (1986R) will be used from 1987 until a new tabulation package is written. Table 39 contains revised data for 1986. Major changes in the data are:

- a. Among 14- and 15-year-olds, an edit improvement allowed persons with enrollment data not reported who were previously automatically imputed "not enrolled" to be enrolled.
- Revisions in tabulation of enrollment in the previous year simplifies calculation of an annual high school dropout rate.

- c. Edit improvements caused increases in college enrollment estimates, most notably above age 24; this age group was largely ignored in earlier edits.
- d. Type of college is fully allocated (discussed earlier).
- e. Tabulations of type of college are available by race.
- f. Dependent family member is defined consistently.
- g. New data on employment status, vocational course enrollment, college retention and re-entry, and families with children enrolled in public and private school are available.

# **ATTACHMENT 20**

#### **User Notes**

This section will contain information relevant to the Current Population Survey, October 1989: School Enrollment file that becomes available after the file is released. The cover letter to the updated information should be filed behind this page.

User Notes will be sent to all users who (1) purchased their file (or technical documentation) from the Census Bureau and (2) returned the coupon on the following page.

# **UPDATE INFORMATION**

Additional information concerning this file may be available at a later date. If you received this technical documentation (with or without tape purchase) from the Census Bureau and wish to receive these User Notes, please complete the coupon below and return it to:

Data User Services Division Data Access and Use Staff Bureau of the Census Washington, D.C. 20233

*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nam	ne of	File:	Curr	ent l	Popu	ılatio	n Sui			ber						t File	!					
Plea	se se	end r	ne ar	ny inf	orma	ation	which	n migi	ht be	come	e ava	ilable	later	cone	cerni	ng th	e file	liste	d:			
Nam	ie:									-												
Addı	r <b>es</b> s:																					
Pho	ne:																		•			

# CURRENT POPULATION SURVEY, OCTOBER 1989: SCHOOL ENROLLMENT

User Note 1

Attachments 12 and 13, industry and occupation classification codes, are revised to conform with the data requirements for the tape. The three-digit classification codes are listed followed on pages 12-9 and 13-15, respectively, by the two-digit recodes. These codes are in the adult interview data dictionary for A-MJIND, A-DTIND, A-MJOCC, and A-DTOCC at positions 216 - 222.

After replacing the revised table of contents and attachments 12 and 13 in the technical documentation, this cover sheet should be filed in the user notes attachment.

Pages Inserted Into Technical Documentation on July 1991

				•	
			·		
-					
	•				
·					