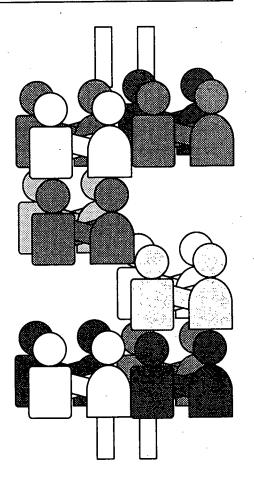
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Earnings of Married-Couple Families: 1987





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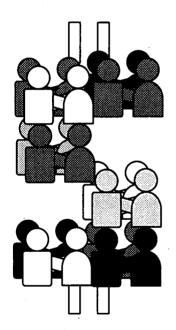
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Consumer Income

Series P-60, No. 165 Issued June 1989

Earnings of Married-Couple Families: 1987





U.S. Department of Commerce Robert A. Mosbacher, Secretary Michael R. Darby, Under Secretary for Economic Affairs

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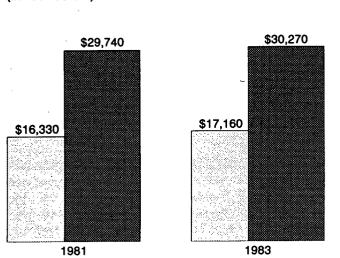
Table B. Ratio of Wives' Mean Earnings to
Husbands' Mean Earnings, by Selected
Characteristics:1981-87

Characteristic	1987	1986	1983	1981
Total	0.45	0.45	0.44	0.41
AGE				
15 to 24 years	0.58	0.60	0.59	0.52
25 to 34 years	0.52	0.52	0.52	0.47
35 to 44 years	0.45	0.42	0.42	0.37
45 to 54 years	0.41	0.42	0.41	0.38
55 to 64 years	0.43	0.40	0.41	0.40
65 years and over	0.47	0.46	0.41	0.52
AGE OF OWN CHILDREN UNDER 18 YEARS				
No own children	0.51	0.51	0.50	0.48
One or more own children	0.41	0.40	0.40	0.36
All under 6	0.43	0.44	0.45	0.39
Some under 6, some 6 to 17	0.36	0.36	0.36	0.31
All 6 to 17	0.41	0.40	0.38	0.36
WORK EXPERIENCE				
Worked at full-time jobs	0.54	0.54	0.53	0.50
50 to 52 weeks	0.57	0.57	0.57	0.55
40 to 49 weeks	0.63	0.61	0.62	0.58
27 to 39 weeks	0.68	0.60	0.60	0.52
26 weeks or less	0.52	0.44	0.48	0.51
Worked at part-time jobs	0.68	0.64	0.58	0.56
50 to 52 weeks	0.69	0.64	0.57	0.63
49 weeks or less	0.63.	0.60	0.58	0.50
YEARS OF SCHOOL COMPLETED	:			1
Less than 12 years:			٠	
Total	0.45	0.46	0.46	0.43
0 to 7 years	0.46	0.55	0.48	0.47
8 years	0.50 0.42	0.41 0.43	0.47 0.44	0.48
9 to 11 years	0.42	0.43	0.44	0.4
4 years	0.46	0.45	0.45	0.42
College:	0.48	0.47	0.46	0.44
4 years	0.45	0.45	0.43	0.39
5 or more years	0.49	0.49	0.48	0.45

Figure 1.

Mean Earnings of Husbands and Wives Who Were
Year-Round, Full-Time Workers: 1981 to 1987

(In 1987 dollars)



Overall, 41.1 million husbands worked in 1987; their earnings averaged \$29,150, and those working year-round, full-time earned an average of \$33,010. Husbands working year-round, full-time whose wives did not work earned somewhat more, \$37,070.

There were 31.4 million working wives in 1987 with mean earnings of \$13,250. Wives working year-round, full-time (about 51 percent of the total) earned an average of \$18,930. About one-third of all wives with earnings were employed part time in 1987; their earnings averaged \$5,960.

OCCUPATION OF LONGEST JOB IN 1987

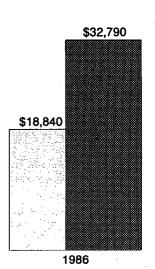
The most frequent combination of occupations (2 million) was a husband in the precision production, craft, and repair occupations and a wife in the administrative support (including clerical) occupations. (See table 2.)

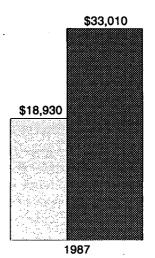
The mean earnings for such couples were \$38,090. The highest mean earnings—\$62,760—occurred to couples with both the husband and wife in executive, administrative, and managerial occupations or in professional specialty occupations.

Approximately 22 percent of employed husbands were in precision production, craft, and repair occupations in 1987; these men earned an average of \$24,520 in that year. Husbands in the executive, administrative, managerial, and professional specialty occupations had the highest earnings levels, while those in farming, forestry, and fishing occupations had the lowest earnings.

The largest proportion of working wives was concentrated in the administrative support (including clerical) occupations: 30 percent were working in this occupation







Year



Table C. Married-Couple Families With Wives' Earnings Greater than Husbands' Earnings: 1981-87

		Husban	d			Wife	•	
Characteristic	1987	1986	1983	1981	1987	1986	1983	1981
Number (thousands)	5,266 100.0	5,172 100.0	4,800 100.0	4,088 100.0	5,266 100.0	5,172 100.0	4,800 100.0	4,088 100.0
AGE]						
15 to 24 years	5.0	5.2	7.3	8.1	7.7	8.5	10.4	11.9
25 to 34 years	28.3	28.5	31.0	31.2	31.8	31.1	34.2	33.0
35 to 44 years	26.0	27.1	24.6	20.5	28.7	28.6	24.6	21.1
45 to 54 years	19.7	18.9	17.4	17.1	18.3	18.2	17.9	18.2
55 to 64 years	15.5	14.1	14.1	16.0	11.8	11.6	11.3	13.3
65 years and over	5.5	6.1	5.6	7.0	1.7	1.9	1.6	2.5
AGE OF OWN CHILDREN UNDER 18 YEARS	÷	Ì						
No own children	51.9	52.0	51.1	54.9	51.9	52.0	51.1	54.9
One or more own children	48.1	48.0	48.9	45.1	48.1	48.0	48.9	45.1
All under 6	12.9	14.2	14.2	12.9	12.9	14.2	14.2	12.9
Some under 6, some 6 to 17	8.5	7.7	8.8	7.1	8.5	7.7	8.8	7.1
All 6 to 17	26.7	26.1	25.9	25.0	26.7	26.1	25.9	25.0
WORK EXPERIENCE		,		,			i	
Worked at full-time jobs	83.5	82.9	82.2	80.7	89.8	89.1	87.3	87.9
50 to 52 weeks	56.4	54.6	49.2	49.6	78.0	76.1	72.8	72.3
40 to 49 weeks	9.0	7.8	7.1	8.8	5.9	7.0	7.1	7.6
27 to 39 weeks	6.3	7.0	7.5	7.2	2.9	3.5	4.3	4.5
26 weeks or less	11.8	13.5	18.4	15.2	3.0	2.5	3.1	3.5
Worked at part-time jobs	16.5	17.1	17.8	19.3	10.2	10.9	12.7	12.1
50 to 52 weeks	6.8	5.9	5.6	7.0	6.9	6.8	8.0	7.3
49 weeks or less	9.6	11.2	12.1	12.2	3.3	4.0	4.7	4.8
YEARS OF SCHOOL COMPLETED				•				
Less than 12 years:	18.0	18.9	21.7	24.5	10.8	10.9	13.5	14.1
0 to 7 years	3.6	3.9	4.9	5.1	2.0	2.0	2.2	2.3
8 years	3.8	4.6	4.9	5.4	2.0	2.0	2.4	2.7
9 to 11 years	10.6	10.3	12.0	13.9	6.9	6.8	8.9	9.1
High school: 4 years	39.5	37.6	37.3	35.6	41.5	40.2	43.3	44.9
College:	42.6	43.6	41.0	39.9	47.6	48.9	43.3	40.9
Total	19.3	19.8	19.4	18.5	21.9	21.3	19.0	17.5
1 to 3 years	13.1	12.5	11.9	11.4	15.1	15.7	13.4	13.2
5 or more years	10.2	11.3	9.7	10.0	10.6	11.9	10.9	10.2
OCCUPATION OF LONGEST JOB1					•	-		
Executive, administrative, managerial	12.2	(NA)	10.0	12.2	15.9	(NA)	11.5	25.0
Professional specialty	11.1	(NA)	10.2	14.3	19.4	(NA)	19.7	10.9
Technical and related support	2.3	(NA)	2.1	7.5	5.0	(NA)	4.7	4.8
Sales workers	13.3	(NA)	13.8	6.5	9.1	(NA)	8.5	31.6
Administrative support, including	6.0	(1)	4.6	20.0	27.4	(NA)	28.2	. 2.2
Clerical	6.0	(NA)	4.6 19.0	14.1	27.4	(NA)	28.2	12.4
Precision production, craft, and repair	19.5 18.7	(NA)	19.0 21.3	7.2	9.8	(NA) (NA)	12.6	12.4
Operators, fabricators, and laborers	9.8	(NA) (NA)	10.1	10.9	9.7	(NA) (NA)	11.5	11.2
Service workers	7.0		8.6	7.4	1.0		0.8	0.8
Farming, forestry, and fishing	7.0	(NA)	0.0	7.4	1.0	(NA)	U.0	0.8

NA Not available. *Excludes persons whose longest job was in the Armed Forces.

group in 1987, earning an average of \$12,790. Wives in the executive, administrative, managerial, and professional specialty occupations numbered 8.3 million, or 27 percent of the 31.4 million working wives. The mean earnings of wives in this group was \$19,460 for 1987.

EDUCATION

One in four married couples were made up of two high school graduates, compared with 14 percent for married couples in which both the husband and wife

completed 4 or more years of college. Those couples in which neither spouse completed high school numbered 4.1 million, or 9 percent of married couples with earnings. (See table 3.)

The mean earnings of couples consisting of two high school graduates was \$31,600 in 1987, well below the mean of \$59,750 for couples with 4 or more years of college. Couples with less than high school educations earned an average of \$18,820.

Husbands with 4 or more years of college accounted for 27 percent of all husbands with earnings. Men in this



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Table 2. Occupation of Longest Job in 1987 of Husband and Wife-Con. Part B. Husbands With Earnings in 1987

of March 1988. For meaning of symbols, see text) Wife worked in 1987

						AAIIA MOU	KBO IN 1987					
					• "	Occupation	on of longest	job of wife				
Occupation of longest job of husband	Total	Total	Exec., admin- istra- tors, and mana- gerial	Pro- tes- sional speci- ality	Tech- nical and re- lated sup- port	Sales wkrs.	Admin. sup- port, incl. cleri- cal	Precision produc- tion, craft, and repair	Opera- tors, fab- rica- tors, labs.	Serv. wkrs.	Farming, tor- estry, and fish- ing	Wife did not work in 1967
NUMBER OF HUSBANDS WITH EARNINGS (Thousands)			ı									
Husband worked in 1987 ¹	41 066	29 213	3 264	4 643	983	3 522	8 881	712	2 624	4 200	383	11 853
and managerial Professional specialty Technical and related support Sales workers Administrative support,	4 707	4 810 3 999 862 3 458	880 510 110 475	1 016 1 534 176 542	161 127 75 121	529 364 72 679	1 614 999 277 1 102	74 59 16 51	138 90 36 148	381 304 100 315	17 12 1 23	1 745 1 477 296 1 250
Including clerical	2 019	1 503	161	192	74	141	572	27	129	205	3	516
Administrative support, including clerical	8 853	6 162	555	573	188	750	1 950	244	787	1 069	45	2 691
Service workers	7 727 2 810	5 310 1 949	311 194	323 191	154 56	648 228	1 545 551	156 49	1 031 147	1 102 527	39 7	2 417 861
and fishing	1 761	1 160	67	96	27	112	272	35	117	196	238	601
MEAN EARNINGS OF HUSBANDS WITH EARNINGS (Dollars)												
Husband worked in 1987¹ Occupation of longest job of husband: Executive, administrators,	29 170	28 419	32 729	36 040	28 625	28 417	29 030	24 775	20 112	21 964	19 105	31 020
end menagerial Professional specialty Technical and retated support Sales workers Administrative support	42 146 40 772 31 485 33 069	39 409 38 251 30 024 31 643	39 165 41 762 31 568 37 244	46 931 39 416 32 062 36 189	43 248 35 721 27 511 28 970	42 025 39 181 (B) 29 419	37 300 37 396 30 129 31 563	(B) (B) (B)	27 560 29 619 (B) 25 574	29 532 30 289 30 185 25 339	9999 8	49 691 47 597 35 741 37 016
Including clerical	23 908	23 771	26 191	25 019	(B)	24 976	24 257	(B)	20 223	20 154	(B)	24 305
orafi and repair	24 517	24 080	24 691	26 905	23 472	24 273	25 827	23 839	20 599	21 720	(B)	25 518
end laborers Service workers Ferming, forestry, and fishing	21 213 18 522	21 269 19 395	22 474 20 101	22 521 23 988	22 145 (B)	21 525 18 766	22 921 22 318	21 273 (B)	18 879 14 044	20 246 16 143	(B)	21 092 16 548
PERCENT DISTRIBUTION OF HUSBANDS WITH EARNINGS	14 154	15 115	(B)	19 321	(B)	13 745	19 114	(B)	10 884	13 254	13 544	12 299
Husband worked in 1987* Cocupation of longest job of husband: Executive, administratore.	100.0	71.1	7.9	11.3	2.4	8.6	21.6	1.7	6.4	10.2	.9	28.9
and managerial Professional specialty Technical and related support Sales workers Administrative support.	100.0 100.0 100.0 100.0	73.4 73.0 74.4 73.5	13.4 9.3 9.5 10.1	15.5 26.0 15.2 11.5	2.5 2.3 6.5 2.6	8.1 6.6 6.2 14.4	24.6 18.2 23.9 23.4	1.1 1.1 1.4 1.1	2.1 1.6 3.1 3.1	5.8 5.6 8.6 6.7	.3 .2 .1 .5	26.6 27.0 25.6 26.8
including clerical	100.0	74.4	8.0	9.5	3.7	7.0	28.3	1.3	6.4	10.2	.1	25.6
oraft and repair	100.0	69.6	6.3	6.5	2.1	8.5	22.0	2.8	8.9	12.1	.5	30.4
Service workers	100.0	68.7 69.4	4.0 6.9	4.2 6.8	2.0 2.0	8.4 8.1	20.0 19.6	2.0 1.7	13.3 5.2	14.3 18.8	.5 .2	31.3 30.6
and fishing	100.0	65.9 l	3.8	5.5	1.5	6.4	15.4	2.0	6.6	11.1	13.5	34.1

Table 3. Years of School Completed of Husband and Wife
Part A. Married-Couple Families With Earnings in 1987

Married-couple families as of March 1988. For meaning of symbols, see text)

					Years of	school complete	ed by wife			
Years of school completed			Less than	12 years		High school:		Colle	0 e	
. by husband	Total	Total	0 to 7 years	years 8	9 to 11 years	High school: 4 years	Totai	1 to 3 years	4 years	5 years or more
NUMBER OF MARRIED-COUPLE FAMILIES WITH EARNINGS (Thousands)										
Total	43 450	6 759	1 350	1 153	4 256	19 975	16 716	8 470	5 283	2 962
by husband: Less than 12 years: Total	1 916 1 570 4 565	4 051 1 381 795 1 874 2 112	1 101 767 119 215 178	755 201 304 251 312	2 194 413 373 1 408 1 621	3 346 448 648 2 250 10 740	654 87 127 441 3 321	497 57 95 345 2 292	105 19 22 63 712	53 11 9 33 317
College: Total	19 227 7 758 6 155	597 429 117 51	70 47 22 1	85 71 10 4	441 311 85 46	5 890 3 405 1 637 848	12 740 3 924 4 401 4 415	5 682 2 725 1 802 1 154	4 466 841 2 037 1 588	2 592 359 561 1 672
MEAN EARNINGS OF MARRIED- COUPLE FAMILIES WITH EARNINGS (Dollare)										
Total	37 171	21 559	17 065	19 068	23 659	33 217	48 209	41 768	51 968	59 928
Less than 12 years: Total	18 350 19 898 24 799	18 823 16 296 17 662 21 176	15 970 16 007 14 248 16 782	16 865 14 368 16 950 18 761	20 929 17 772 19 326 22 279	24 729 21 143 21 419 26 397	31 504 36 579 26 148 32 045	29 893 (B) 25 720 31 055 34 785	31 212 (B) (B)	(B) (B) (B) (B) 43 958
High school: 4 years	47 928 38 479 49 940	24 820 28 597 25 462 40 928 (B)	19 957 (B) (B) (B) (B)	23 060 23 965 (B) (B) (B)	25 693 29 766 26 013 44 743 (B)	31 601 40 984 38 980 43 442 52 322	36 791 52 044 41 202 52 596 61 130	45 623 39 614 49 291 54 078	40 055 54 351 42 326 53 143 62 263	62 143 50 633 61 221 64 921
PERCENT DISTRIBUTION OF MARRIED-COUPLE FAMILIES WITH EARNINGS					٠					
Total	100.0	15.6	3.1	2.7	9.8	46.0	38.5	19.5	12.2	6.8
Less than 12 years: Total	100.0 100.0 100.0	50.3 72.1 50.8 41.1	13.7 40.0 7.6 4.7	9.4 10.5 19.4 5.5	27.3 21.6 23.8 30.8	41.6 23.4 41.3 49.3	8.1 4.5 8.1 9.7	6.2 3.0 6.1 7.6	1.3 1.0 1.4 1.4	.7 .6 .6 .7
High school: 4 years	100.0 100.0 100.0	13.1 3.1 5.5 1.9	1.1 .4 .6 .4	1.9 .4 .9 .2	10.0 2.3 4.0 1.4 .9	66.4 30.6 43.9 26.6 16.0	20.5 68.3 50.8 71.5 83.1	14.2 29.6 35.1 29.3 21.7	4.4 23.2 10.8 33.1 29.9	2.0 13.5 4.6 9.1 31.5

Table 3. Years of School Completed of Husband and Wife—Con. Part B. Husbands With Earnings in 1987

(Husbands as of March 1988. For meaning of symbols, see text)

					•	Years of	school complet	ed by wife			
Years of school com	pleted			Less than	12 years				Colle	908	
by husband	-	Total	Total	0 to 7 years	years 8	9 to 11 years	High school: 4 years	Total	1 to 3 years	4 years	5 years or more
NUMBER OF HUS EARNINGS (Tho	BBANDS WITH DUSANDS)						,				
Total Years of school comp by husband:	pleted	41 138	6 163	1 234	1 036	3 893	18 829	16 144	8 175	5 110	2 858
	rs: Total O to 7 years 8 years 9 to 11 years 4 years Total 1 to 3 years 4 years 5 years or more	7 113 1 648 1 327 4 141 15 380 18 642 7 485 5 984 5 192	3 609 1 224 693 1 692 1 992 562 398 115 49	1 005 708 104 195 182 68 45 20	667 170 274 224 294 74 61 10	1 938 349 314 1 273 1 535 422 292 84 48	2 939 351 529 2 058 10 214 5 677 3 276 1 571 830	568 70 105 391 3 175 12 403 3 791 4 299 4 313	447 47 82 318 2 194 5 535 2 641 1 764 1 129	79 15 18 48 688 4 343 798 1 995 1 550	40 8 6 26 293 2 525 351 540 1 634
MEAN EARNINGS WITH EARNINGS					:	;					
Total Years of school comp by husband:	pleted	29 154	18 625	14 904	16 533	20 381	26 613	36 137	32 127	39 342	41 876
	rs: Total	18 048 15 325 16 142 19 741 24 483 37 246 29 179 38 973 46 853	16 122 13 911 15 327 18 049 21 370 24 971 22 154 35 245 (B)	13 957 13 782 12 718 15 255 18 470 (B) (B) (B)	14 511 12 238 14 688 16 018 20 191 (B) (B)	17 802 14 984 16 749 18 834 21 902 26 493 23 380 38 551 (B)	19 473 17 889 16 777 20 436 24 79 33 664 29 587 36 415 44 540	22 929 (B) 18 326 23 399 25 583 39 441 29 584 40 007 47 559	21 708 (B) 18 071 22 801 24 893 35 837 29 469 39 702 44 693	22 920 (B) (B) (B) 26 805 41 626 29 338 39 616 50 546	(B) (B) (B) (B) 27 881 43 583 30 794 42 443 46 708
PERCENT DISTR HUSBANDS WIT		•		ri							
Total Years of school comp by husband:	pleted	100.0	15.0	3.0	2.5	9.5	45.8	39.2	19.9	12.4	6.9
Less than 12 year	rs: Total	100.0 100.0 100.0 100.0 100.0	50.7 74.4 52.2 40.9 13.0	14.1 42.9 7.8 4.7	9.4 10.3 20.6 5.4 1.9	27.2 21.2 23.7 30.7 10.0	41.3 21.3 39.9 49.7 66.4	8.0 4.3 7.9 9.4 20.6	6.3 2.9 6.2 7.7 14.3	1.1 .9 1.2 1.2 4.5	.6 .5 .5 .6 1.9
College:	Total	100.0 100.0 100.0 100.0	3.0 5.3 1.9	.4 .8 .3	.4 .8 .2	2.3 3.9 1.4	30.5 43.9 26.3 16.0	66.5 50.8 71.8 83.1	29.7 35.4 29.5 21.7	23.3 10.7 33.3 29.9	13.5 4.7 9.0 31.5



Table 3. Years of School Completed of Husband and Wife—Con. Part C. Wives With Earnings in 1987

(Wives as of March 1988. For meaning of symbols, see text)

		[Years of	school complete	d by wife		•	
Years of school com	pleted			Less than 12	2 years			College			
by husband		Total	Total	0 to 7 years	years 8	9 to 11 - years	High school: 4 years	Total	1 to 3 years	4 years	5 years or more
NUMBER OF WIN						:					
Total Years of school comby husband:	pleted	31 393	3 829	663	602	2 563	14 279	13 286	6 570	4 176	2 540
Less than 12 yea	rs: Total	5 215 1 140 990 3 084	2 290 743 418 1 129	541 381 51 109 80	404 109 150 145 146	1 344 253 216 875 961	2 412 326 464 1 622 7 785	513 71 109 333 2 761	379 46 80 252 1 889	86 14 22 51 594	48 11 7 30 279
High school: College:	4 years	11 734 14 444 5 884 4 654 3 906	1 187 352 247 75 31	42 27 15	52 44 4 3	259 175 58 27	4 081 2 458 1 111 512	10 011 3 179 3 468 3 364	4 302 2 154 1 349 800	3 496 701 1 622 1 173	2 214 325 498 1 391
MEAN EARNING WITH EARNING	S OF WIVES IS (Dollars)	₹ ₽				•	Area and				
Years of school com	pleted	13 245	8 081	7 007	8 076	8 360	11 373	16 744	13 872	17 599	22 769
by husband: Less than 12 yea	ors: Total	9 819 8 714 9 911 10 199	7 887 7 362 8 204 8 116	6 567 6 701 (B) 5 870	7 551 7 412 7 454 7 758	8 520 8 336 8 996 8 456	10 575 9 810 10 761 10 678	14 887 (B) 12 845 14 935	13 553 (B) 12 025 13 700	16 904 (B) (B) (B)	(B) (B) (B) 20 708
High school: College:	4 years	11 711 15 728 13 716 15 927 18 520	8 294 8 620 8 511 9 855 (B)	6 964 (B) (B) (B)	8 616 (B) (B) (B) (B)	8 356 7 538 7 197 (B) (B)	11 124 12 320 11 794 12 524 14 406	14 833 17 367 15 606 17 149 19 255	13 297 14 153 13 982 13 953 14 951	16 961 17 724 17 345 18 021 17 541	20 708 23 048 22 627 22 971 23 174
PERCENT DISTR WIVES WITH EA											
Total Years of school comby husband:	pleted	100.0	12.2	2.1	1.9	8.2	45.5	42.3	20.9	13.3	8.1
Less than 12 yes	rs: Total	100.0 100.0 100.0 100.0	43.9 65.2 42.2 36.6	10.4 33.4 5.2 3.5	7.7 9.6 15.2 4.7	25.8 22.2 21.8 28.4	46.3 28.6 46.9 52.6	9.8 6.2 11.0 10.8	7.3 4.0 8.1 8.2	1.6 1.2 2.2 1.7	.9 1.0 7 1.0
High school: College:	4 years	100.0 100.0 100.0 100.0 100.0	10.1 2.4 4.2 1.6	.7 .3 .5 .3	1.2 .4 .7 .1	8.2 1.8 3.0 1.2	66.3 28.3 41.8 23.9 13.1	23.5 69.3 54.0 74.5 86.1	16.1 29.8 36.6 29.0 20.5	5.1 24.2 11.9 34.9 30.0	2.4 15.3 5.5 10.7 35.6

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Table 4. Age of Husband, by Selected Characteristics of Husband Part A. Married-Couple Families With Earnings in 1987

(Married-couple families as of March 1988. For meaning of symbols, see text)

*Excludes husbands whose longest job was in the Armed Forces.



Table 4. Age of Husband, by Selected Characteristics of Husband—Con.

Part B. Husbands With Earnings in 1987

(Husbands as of March 1988. For meaning of symbols, see text)

		Ì		Age of husband 1 485					
Cherecteristic of husbs	and	Total	15 to 24 years					65 years ar	
NUMBER OF HUS	BANDS WITH EARNINGS								
(Thousands)				,					
Total		41 138	1 485	10 901	11 802	8 516	6 299	2 13	
Work Experience	of Husband In 1987			•					
50 to 52 weeks. 40 to 49 weeks. 27 to 39 weeks. 28 weeks or less Worked at pert-time 50 to 52 weeks.	jobs	38 397 32 631 2 559 1 457 1 751 2 738 1 230 1 509	991 185 80 94 135 68	8 990 732 433 403 342 163	10 038 756 390 310 308 143	7 243 484 258 263 287 135	4 652 330 238 434 646 295	1 01 7 2 1 04 4 6	
Years of Schoo! C	Completed by Husband								
Less than 12 years: High school: College:	Total	7 113 1 848 1 327 4 141 15 380 18 642	38 29 241 747 431	262 111 1 038 4 489 5 000	386 192 790 4 012 6 444	350 333 903 3 221 3 709	439 445 880 2 197 2 337	61 11 2 2 7 7	
-	1 to 3 years	7 465 5 984 5 192	127	1 816	2 009	1 066	737	2 2	
Occupation of Lo	ngest Job of Husband in 1987								
Professional specialty Technical and related Sales workers	ors, and managerial	6 555 5 477 1 158 4 707 2 019 8 853	107 58 40 143 78 402	1 277 1 326 398 1 218 531 2 642	2 066 1 889 377 1 286 559 2 483	1 675 1 135 205 1 029 375 1 773	1 104 823 117 700 317 1 311	3 2 3 1 2	
Operators, fabricators Service workers Farming, forestry, and	oraft, and repair	7 727 2 810 1 781	449 109 81	2 306 771 411	2 081 692 349	1 473 548 295	1 145 438 340	2 2 2 .2	
MEAN EARNINGS (Dollars)	OF HUSBANDS WITH EARNINGS								
Total		29 154	15 028	25 238	33 168	34 648	28 727	16 1	
Work Experience	of Husband in 1987								
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or les Worked at part-tim 50 to 52 weeks	s jobs	30 606 33 005 22 498 16 609 9 414 8 790 12 196 6 013	15 948 17 931 13 507 9 534 5 287 5 854 (B)	25 768 27 581 19 859 15 510 7 117 8 866 11 614 6 369	33 756 35 852 24 318 17 177 9 773 11 126 14 848 7 908	35 352 37 555 24 777 17 318 11 870 12 917 17 142 8 587	30 948 33 615 26 014 19 884 12 156 9 294 11 112 7 768	24 7 32 0 6 8 7 0 11 4 4 0	
Years of School	Completed by Husband								
Less than 12 years:	Total	18 048 15 325 16 142 19 741	12 080 (B) (B) 12 417	16 050 14 215 13 681 16 767	19 168 17 408 19 070 20 008	22 688 17 261 19 928 25 808	18 613 15 509 17 073 20 938	10 5 10 0 7 5 13 1	
High school: College:	4 years Total 1 to 3 years 4 years 5 years or more	24 483 37 246 29 179 38 973 46 853	15 614 16 113 15 690 17 961 (B)	22 636 30 169 25 442 33 019 35 359	26 540 40 218 31 439 41 285 50 213	28 102 45 448 38 100 47 776 53 437	25 767 39 148 29 717 43 173 46 986	13 5 24 0 15 6 23 0 34 8	
Occupation of Lo	ongest Job of Husband In 1987								
Professional specialty Technical and related Sales workers	tors, and managerial support ti, including clerical craft, and repair s, and laborers	42 146 40 772 31 485 33 089 23 908 24 517 21 213 18 522	20 331 (B) (B) 17 084 13 548 16 114 14 115	33 160 33 057 27 334 29 546 22 338 23 197 20 832 18 620	45 165 43 138 33 805 40 559 28 482 26 744 22 628 22 740	49 874 47 836 38 548 35 705 28 766 27 363 24 681 23 096	42 159 41 173 31 992 31 833 24 082 24 179 20 848 14 535	25 6 34 6 18 3 11 0 10 8 8 7	



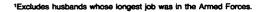
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Table 4. Age of Husband, by Selected Characteristics of Husband—Con. Part C. Wives With Earnings in 1987

(Wives as of March 1988. For meaning of symbols, see text)

					Age of	husband		
Characteristic of husbi	and	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
NUMBER OF WIVE	ES WITH EARNINGS (Thousands)	•						
Total		31 393	1 221	8 413	9 235	6 519	4 362	1 642
Work Experience	of Husband in 1987	•						
Worked at full-time 50 to 52 weeks . 40 to 49 weeks . 27 to 39 weeks . 28 weeks or less Worked at part-tim 50 to 52 weeks . 49 weeks or less	87	29 085 27 617 23 681 1 865 1 012 1 059 1 468 701 767 2 308	1 202 1 098 833 144 55 66 104 55 49 19	8 271 8 002 6 808 573 325 298 269 128 141	9 019 8 783 7 684 584 311 223 238 114 123 216	6 204 6 002 5 295 349 182 176 202 97 104 315	3 637 3 310 2 773 178 124 235 327 149 179 725	752 423 307 37 15 83 330 158 171 890
Years of School C	Completed by Husband			.				
Less than 12 years: High achoot: College:	Total 0 to 7 years 8 years 9 to 11 years 4 years Total 1 to 3 years 4 years 5 years or more	5 215 1 140 990 3 084 11 734 14 444 5 884 4 654 3 908	229 29 18 183 598 394 247 121 26	967 145 90 732 3 440 4 008 1 794 1 440 772	979 236 141 602 3 205 5 051 1 972 1 570 1 509	1 171 283 233 675 2 451 2 898 1 030 853 1 014	1 235 273 315 647 1 485 1 842 841 535 466	634 195 194 245 555 454 200 134
Occupation of Lo	ngest Job of Husband In 1987			•				
Professional specialty Technical and related Sales workers	ors, and managerial support including clerical craft, and repair and laborers	4 769 3 972 862 3 427 1 503 6 130 5 297 1 944 1 124	93 49 35 131 72 309 351 67 57	997 1 058 307 930 421 1 947 1 709 573 312	1 579 1 461 297 963 472 1 854 1 575 549 256	1 269 855 139 818 294 1 193 1 014 397 216	698 475 77 454 174 744 566 253 197	133 76 8 131 70 83 82 84 86
MEAN EARNINGS (Dollars)	OF WIVES WITH EARNINGS	•						
Total		13 245	8 798	12 571	14 262	14 471	13 054	9 921
Work Experience	of Husband in 1987							
Worked at full-time 50 to 52 weeks . 40 to 49 weeks . 27 to 39 weeks . 26 weeks or less Worked at part-tim 50 to 52 weeks . 49 weeks or less	987 jobs 	13 381 13 484 13 738 12 330 11 180 11 529 11 819 11 556 12 060 11 523	8 841 8 834 9 219 8 161 (B) 8 919 (B) (B) (B)	12 568 12 590 12 998 11 445 9 213 9 138 11 913 13 838 10 177 12 743	14 277 14 312 14 483 13 484 12 636 12 604 12 990 14 111 11 953 13 652	14 554 14 824 14 877 12 775 12 071 13 308 12 477 11 514 13 377 12 845	13 180 13 098 12 945 14 229 13 365 13 912 14 015 10 822 16 670 12 417	10 145 10 853 11 102 (B) (B) 9 237 9 773 8 742 9 732
Years of School C	Completed by Husband							
Less than 12 years:	Total 0 to 7 years 8 years 9 to 11 years 4 years	9 819 8 714 9 911 10 199 11 711	6 670 (B) (B) 6 820 8 788	8 541 7 227 10 036 8 619 10 844	9 888 8 754 9 023 10 534 12 293	11 062 9 323 11 183 11 698 13 059	10 745 9 560 10 290 11 466 11 925	8 703 8 123 8 746 9 131 10 341
College:	Total 1 to 3 years 4 years 5 years or more	15 728 13 716 15 927 18 520	10 051 9 782 10 625 (B)	15 027 12 849 16 849 16 691	16 360 14 930 15 912 18 695	17 044 14 361 16 597 20 142	15 811 14 120 14 661 19 431	11 109 9 766 11 730 12 661



Occupation of Longest Job of Husband in 1987¹

Executive, administrators, and managerial
Professional specialty
Technical and related support
Sales workers
Administrative support, including clerical
Precision production, craft, and repair
Operators, fabricators, and laborers
Service workers
Farming, forestry, and fishing





Table 5. Age of Wife-Wives With Earnings in 1987, by Characteristics of Wife

(Wives as of March 1988. For meaning of symbols, see text)

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•			Age of wife 15 to 24 years 25 to 34 years 35 to 44 years 45 to 54 years 55 to 64 years 232						
aracteristic of wife		Total			35 to 44	45 to 54		65 years an	
JMBER OF WIVE	S WITH EARNINGS (Thousands)								
Total		31 393	2 303	9 625	9 278	6 036	3 464	68	
ork Experience o									
•				a ====	0.400	4 100	2 105	26	
50 to 52 weeks	obs	21 489 16 141 1 887	969	4 962	5 037	3 363	1 642	16	
27 to 39 weeks		1 237 2 224	148	393	349				
Worked at part-time	jobs	9 904	640	2 840	2 848	1 850	1 300	4 2	
50 to 52 weeks 49 weeks or less		4 694 5 209						2	
ears of School Co	ompleted by Wife								
ss than 12 years	Total	3 829						1	
	7 vears	663 602		88	91	138	197		
	9 to 11 years	2 563						3	
gh school: bilege:	4 years	14 279 13 286	790	4 597	4 432	2 208	1 051	ž	
	1 to 3 years	6 570 4 176				1 048 j 706 l	562 256		
	4 years	2 540							
ccupation of Lon	gest Job of Wife in 1987 ¹								
	rs, and managerial	3 433 4 897	155 154	1 075 1 514	1 075 1 808	699 914	354 417		
otessional specialty . schnical and related s	support	1 038	71	433	312	155	59		
les workers		3 797 9 380	412 723	1 090 2 898	988 2 706	722 1 843	482 1 036		
ministrative support, ecision production, c	including ciericalraft, and repair	768	46	193	249	156	95		
perators, fabricators,	and laborers	2 899 4 795	252 463	889 1 446	782 1 262	592 858	340 615		
ervice workers erming, forestry, and t	fishing	381	26	86	92	98	66		
EAN EADNINGS	OF WIVES WITH EARNINGS								
Dollars)	OF WIVES WITH EXAMINGS	i i							
Total		13 245	8 791	13 077	14 764	14 094	12 251	7 5	
ork Experience	of Wife in 1987								
Worked at full-time 50 to 52 weeks	jobs	16 603 18 929	10 604 13 529	16 000 18 366	18 401 20 379	17 602 19 481	16 355 18 714	12 2 14 2	
40 to 49 weeks.		14 089 11 212	10 091 7 985	14 204 11 397	16 498 12 727	14 469 10 702	11 149 10 608	4	
27 to 39 weeks . 26 weeks or less		4 856	3 426	5 057	4 995	4 217	6 434		
Worked at part-time	iobs	5 959 8 387	4 084 6 985	6 092 9 044	6 553 8 963	6 153 8 316	5 413 7 105	4 6	
49 weeks or less		3 770	2 867	4 053	3 996	3 709	3 554	Ž	
sars of School C	ompleted by Wife		• 1						
ess than 12 years:	Total	8 081 7 007	4 870 (B)	7 765 6 240	8 986 7 769	9 117 8 684	8 218 6 271	5	
	8 vears	8 076	(B) (B)	7 595	10 176	8 407	7 733	8	
-h sahaali	9 to 11 years	8 360 11 373	4 875 8 448	8 070 10 828	9 168 12 000	9 404 12 627	8 992 11 735	8	
gh school: bliege:	Total	16 744	11 030	16 046	18 396	18 061	15 946	8 8	
- 	1 to 3 years	13 872 17 599	10 216 12 395	13 246 17 983	15 605 18 224	14 777 18 769	12 827 15 617	8	
	5 years or more	22 769	(B)	20 705	23 907	24 539	23 857		
ccupation of Lo	ngest Job of Wife in 1987								
	ors, and managerial	20 261	13 692	19 679 18 128	22 716 19 960	21 434 20 269	17 168 18 435	10 9	
rofessional specialty achnical and related	support	18 897 16 970	12 832 (B)	16 478	17 150	21 010	(B)	6	
alas workars		10 797	6 599	11 238 12 455	12 083 13 548	11 366 13 170	10 872 13 083	9	
	including derical	12 794	10 666	12 455	15 878	15 147	11 618	•	
desirabetes as second	raft, and rapair	13 497 1	יונסו		13 0,0 1				
dministrative support recision production, o perators, fabricators,	and laborers.	13 497 10 237 6 931	(B) 7 279 5 175	9 933 6 937	10 575 7 798	11 853 7 074	10 044 6 870	4	

^{*}Excludes wives whose longest job was in the Armed Forces.

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Table 6. Age of Own Children, by Characteristics of Husband and Wife—Con. Part A. Husbands With Earnings in 1987

(Husbands as of March 1988. For meaning of symbols, see text)

	·			One o	r more own childre	n under 18 years old	
Characteristic of husb	and	Total	No own children under 18 years old	Total	All under 6 years old	Some under 6 years, some 6 to 17 years old	All 6 to 17 years old
NUMBER OF HUS	BANDS WITH EARNINGS (Thousands)						
Total		41 138	18 121	23 014	6 224	4 947	11 843
Age of Husband							
Husband 25 to 34 year Husband 35 to 44 year Husband 45 to 54 year Husband 55 to 64 year	ars old	1 485 10 901 11 602 8 516 6 299 2 132	720 2 838 2 181 4 667 5 629 2 087	765 8 063 9 622 3 849 670 45	647 4 088 1 320 149 21	80 2 281 2 306 269 30 2	59 1 694 5 996 3 431 619 43
Work Experience	of Husband in 1987						
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or less Worked at part-tim 50 to 52 weeks	s jobs	38 397 32 631 2 559 1 457 1 751 2 738 1 230 1 509	16 095 13 400 1 101 620 974 2 026 899 1 127	22 302 19 230 1 457 837 777 713 331 382	6 045 5 173 427 229 215 180 84 96	4 783 4 142 293 166 183 164 74 90	11 474 9 915 737 442 380 369 173 196
Years of School C	Completed by Husband						
Less than 12 years: High school: College:	Total	7 113 1 646 1 327 4 141 15 380	3 680 776 861 2 043 6 573	3 433 870 466 2 098 8 807	731 146 92 493 2 362	778 220 81 477 1 872	1.924 504 293 1 127 4 573
Consys.	to 3 years	18 642 7 465 5 984 5 192	7 868 3 045 2 677 2 145	10 774 4 419 3 308 3 047	3 131 1 210 1 096 825	2 297 1 014 677 806	5 345 2 196 1 534 1 616
Occupation of Lo	ngest Job of Husband in 1987						,
Professional specialty control and related Sales workers	support , including cierical craft, and repair and laborers fishing	8 555 5 477 1 158 4 707 2 019 8 853 7 727 2 810 1 761	3 028 2 458 485 2 260 947 3 568 3 115 1 328 910	3 527 3 018 674 2 447 1 071 5 285 4 612 1 484 851	892 854 227 699 309 1 369 1 216 422 211	698 634 125 509 206 1 158 1 047 353 216	1 938 1 531 321 1 239 556 2 758 2 349 709 424
MEAN EARNINGS (Dollars)	OF HUSBANDS WITH EARNINGS						
Total		29.154	27 755	30 256	28 181	29 584	31 636
Husband 15 to 24 year	rs old	15 028 25 238 33 186 34 688 28 727 16 132	14 954 24 674 31 082 33 837 28 902 16 187	15 097 25 438 33 638 35 631 27 255 (B)	15 392 26 849 36 211 49 351 (B)	(B) 24 796 34 602 31 590 (B)	(B) 22 889 32 701 35 353 27 535 (B)
Work Experience	of Husband in 1987						
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or less Worked at part-time 50 to 52 weeks	jobs	30 608 33 005 22 498 16 609 9 414 8 790 12 196 6 013	30 230 32 887 22 781 17 513 10 481 8 090 11 408 5 444	30 878 33 101 22 300 15 939 8 079 10 779 14 335 7 694	26 777 31 063 19 838 14 663 6 602 8 145 11 833 4 936	30 223 32 233 23 905 15 924 7 782 10 342 (B) 7 559	32 259 34 526 23 088 16 808 9 058 12 258 15 812 9 111
Years of School C	completed by Husband						
Less than 12 years: ; High school: College:	Total	18 048 15 325 16 142 19 741 24 483 37 246	18 414 14 728 15 639 20 982 24 121 35 159	17 656 15 858 17 072 18 531 24 754 38 769	15 198 14 715 13 570 15 644 22 124 35 780	16 903 15 276 19 258 17 250 24 873 37 675	18 894 16 442 17 560 20 337 26 063 40 991
•	1 to 3 years	29 179 38 973 46 853	35 159 27 918 36 734 43 474	30 047 40 785 49 231	26 617 39 075 44 840	30 299 37 718 49 959	31 822 43 361 51 201

¹Excludes husbands whose longest job was in the Armed Forces.



Table 6. Age of Own Children, by Characteristics of Husband and Wife—Con.

Part A. Husbands With Earnings in 1987—Con.

Husbands as of March 1988. For meaning of symbols, see text)

		İ	· [One or more own children under 18 years old						
Characteristic of husb	end	Total	No own children under 18 years old	Total	All under 6 years old	Some under 6 years, some 6 to 17 years old	All 6 to 17 years old			
MEAN EARNINGS (Dollars)—Con.	OF HUSBANDS WITH EARNINGS	\			·					
Occupation of Lo	ngest Job of Husband in 1987		·							
Professional specially Technical and related Sales workers Administrative suppor Precision production, Operators, fabricators Service workers	ors, and managerial support. I, including clerical craft, and repair, and laborers.	42 148 40 772 31 485 33 089 23 908 24 517 21 213 18 522 14 154	40 096 38 562 30 519 30 034 22 468 23 769 20 830 16 084 12 421	43 908 42 572 32 180 35 873 25 182 25 022 21 472 20 701 16 008	41 298 39 575 28 080 38 036 21 629 22 942 20 060 17 573 13 562	39 969 44 443 33 221 36 104 26 733 25 472 20 499 21 231 17 155	46 523 43 469 34 677 35 686 26 583 25 865 22 637 22 296 16 639			
PERCENT DISTRI EARNINGS	BUTION OF HUSBANDS WITH					Ì				
Total		100.0	100.0	100.0	100.0	100.0	100.0			
Age of Husband										
Husband 25 to 34 year Husband 35 to 44 year Husband 45 to 54 year Husband 55 to 64 year	ars old	3.6 28.5 28.7 20.7 15.3 5.2	4.0 15.7 12.0 25.8 31.1 11.5	3.3 35.0 41.8 16.7 2.9	10.4 65.7 21.2 2.4 .3	1.2 48.1 46.6 5.4 .8	.5 14.3 50.6 29.0 5.2 .4			
Work Experience	of Husband In 1987									
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 28 weeks or les Worked at part-tim 50 to 52 weeks	a jobs	83.3 79.3 6.2 3.5 4.3 6.7 3.0	88.8 73.9 6.1 3.4 5.4 11.2 5.0 6.2	96.9 83.6 6.3 3.6 3.4 3.1 1.4	97.1 83.1 6.9 3.7 3.5 2.9 1.3	96.7 83.7 5.9 3.4 3.7 3.3 1.5 1.8	96.9 83.7 6.2 3.7 3.2 3.1 1.5			
Years of School	Completed by Husband									
Less than 12 years:	Total O to 7 years 8 years 9 to 11 years 4 years	17.3 4.0 3.2 10.1 37.4	20.3 4.3 4.8 11.3 36.3	14.9 3.8 2.0 9.1 38.2	11.7 2.3 1.5 7.9 37.9	15.7 4.4 1.8 9.6 37.8	16.2 4.3 2.5 9.5 38.8			
College:	Total	45.3 18.1 14.5 12.6	43.4 16.8 14.8 11.8	46.8 19.2 14.4 13.2	50.3 19.4 17.6 13.3	48.4 20.5 13.7 12.2	45.1 18.5 13.0 13.6			
Occupation of Lo	ingest Job of Husband in 1987 ¹									
Professional specialty Technical and related Seles workers Administrative suppor Precision production, Operators, fabricas Service workers	ors, and managerial support t, including clerical craft, and repair , and laborers	15.9 13.3 2.8 11.4 4.9 21.5 18.8 6.8	16.7 13.6 2.7 12.5 5.2 19.7 17.2 7.3 5.0	15.3 13.1 2.9 10.6 4.7 23.0 20.0 6.4 3.7	14.3 13.7 3.6 11.2 5.0 22.0 19.5 6.8	14.1 12.8 2.5 10.3 4.2 23.4 21.2 7.1	16.4 12.9 2.7 10.5 23.3 19.8 6.0 3.6			

^{*}Excludes husbands whose longest job was in the Armed Forces.

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Table 6. Age of Own Children, by Characteristics of Husband and Wife—Con. Part B. Wives With Earnings in 1987

(Wives as of March 1988. For meaning of symbols, see text)

				One o	r rnore own childre	n under 18 years old	
Characteristic of wife		Total	No own children under 18 years old	Total .	All under 6 years old	Some under 6 years, some 6 to 17 years old	All 6 to 17 years old
UMBER OF WIVE	S WITH EARNINGS (Thousands)						
Total		31 393	14 330	17 063	4 441	3 187	9 435
ge of Wife							
Vife 25 to 34 years of Vife 35 to 44 years of Vife 45 to 54 years of Vife 55 to 64 years of	d	2 303 9 625 9 278 6 036 3 464 688	1 162 2 548 2 286 4 306 3 347 681	1 141 7 077 6 991 1 730 117	989 2 895 530 22 5	83 2 049 1 019 36 -	69 2 133 5 442 1 672 113
Vork Experience	of Wife in 1987						
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or less Worked at part-time 50 to 52 weeks	jobs	21 489 16 141 1 387 1 237 2 224 9 904 4 694 5 209	10 344 8 138 852 524 831 3 986 2 084 1 902	11 145 8 003 1 035 713 1 394 5 918 2 610 3 307	2 953 1 777 386 269 521 1 488 530 958	1 868 1 269 174 120 305 1 319 526 783	6 324 4 958 475 323 568 3 111 1 555 1 556
	Completed by Wife	0.000	1 955	1 873	340	381	1 153
Less than 12 years: High school: College:	Total O to 7 years	3 829 663 602 2 563 14 279 13 286 6 570	298 398 1 260 6 445 5 930 2 859	365 205 1 303 7 854 7 356 3 711	47 31 261 1 901 2 201 1 042	95 39 248 1 401 1 405 749	223 135 794 4 532 3 750 1 920
	4 years or more	4 178 2 540	1 913 1 157	2 262 1 383	738 420	422 235	1 10: 720
Evacutiva adminstrato	ngest Job of Wife in 1987	3 433	1 810	1 623	462	260	90:
Professional specialty echnical and related Sales workers	support , including clerical craft, and repair and laborers fishing	4 897 1 038 3 797 9 380 768 2 899 4 795 381	2 048 485 1 855 4 369 351 1 208 2 035 186	2 849 573 1 941 5 010 416 1 691 2 759 195	759 182 517 1 349 94 392 651	543 115 381 850 77 330 607 42	1 54' 27' 1 08: 2 81: 24' 96' 1 50
MEAN EARNINGS	OF WIVES WITH EARNINGS (Dollars)						
Total		13 245	14 256	12 395	12 163	10 732	13 067
Age of Wife							
Wife 35 to 44 years o Wife 45 to 54 years o Wife 55 to 64 years o	ld	8 791 13 077 14 764 14 094 12 251 7 581	10 653 17 804 17 689 14 008 12 149 7 528	6 894 11 375 13 807 14 308 15 145 (B)	6 695 12 663 19 192 (B) (B)	7 442 9 830 12 748 (B) (B)	(B 11 109 13 481 14 29 14 42((B
Work Experience	of Wife in 1987						
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or les Worked at part-tim 50 to 52 weeks	8	16 603 18 929 14 089 11 212 4 856 5 959 8 387 3 770	17 419 19 405 13 891 11 229 5 488 6 048 8 043 3 863	15 845 18 445 14 252 11 200 4 479 5 898 8 662 3 717	15 088 18 547 14 992 12 601 4 642 6 360 10 452 4 098	14 563 17 430 14 665 9 894 4 420 5 304 8 227 3 388	16 57 18 66 13 50 10 52 4 36 5 92 8 19 3 66
Years of School (Completed by Wife						
Less than 12 years:	Total	8 081 7 007 8 076 8 360 11 373 16 744	8 409 7 160 7 700 8 927 12 378 18 228	7 739 6 883 8 805 7 811 10 547 15 550	7 223 (B) (B) 7 257 9 520 15 207	6 790 6 752 (B) 6 807 9 042 13 485	8 20 7 25 9 18 8 30 11 44 16 52 13 80
College:	1 to 3 years	13 872 17 599 22 769	18 226 15 269 19 070 24 138	12 796 16 355 21 623	12 123 16 091 21 301	11 135 . 14 172 19 738	13 80 17 36 22 41

Excludes wives whose longest job was in the Armed Forces.



Table 6. Age of Own Children, by Characteristics of Husband and Wife—Con.

Part B. Wives With Earnings in 1987—Con.

(Wives as of March 1988. For meaning of symbols, see text)

				One	or more own childre	n under 18 years old	
Characteristic of wife		Total	No own children under 18 years old	Total	All under 6 years old	Some under 6 years, some 6 to 17 years old	All 6 to 17 years ok
MEAN EARNINGS Con.	OF WIVES WITH EARNINGS (Dollars)—						
Occupation of Lo	ngest Job of Wife in 1987						
Professional specialty Technical and related Sales workers	rs, and managerial support including derical raft, and repair and laborers	20 261 18 897 18 970 10 797 12 794 13 497 10 237 6 931 4 620	20 761 20 076 17 831 12 238 13 844 14 732 11 021 7 304 3 771	19 681 18 050 16 271 9 420 11 877 12 458 9 677 6 655 5 430	19 320 18 724 15 095 8 913 11 014 10 388 8 638 6 082 (B)	19 014 14 971 14 873 7 484 11 028 10 952 8 470 5 841 (B)	20 05: 18 80 17 72: 10 32: 12 54: 13 71: 10 50: 7 23: 4 73
PERCENT DISTRI	BUTION OF WIVES WITH EARNINGS						
Total		100.0	100.0	100.0	100.0	100.0	100.
Age of Wife			1				
Wife 25 to 34 years o Wife 35 to 44 years o Wife 45 to 54 years o	id	7.3 30.7 29.6 19.2 11.0 2.2	8.1 17.8 16.0 30.0 23.4 4.8	6.7 41.5 41.0 10.1 .7	22.3 65.2 11.9 .5 .1	2.6 64.3 32.0 1.2	22. 57. 17. 1.
Work Experience	of Wife in 1987						
27 to 39 weeks 26 weeks or les Worked at part-tim 50 to 52 weeks	jobs	68.5 51.4 6.0 3.9 7.1 31.5 15.0 18.8	72.2 56.8 5.9 3.7 5.8 27.8 14.5 13.3	65.3 46.9 6.1 4.2 8.2 34.7 15.3 19.4	66.5 40.0 8.7 6.1 11.7 33.5 11.9 21.6	58.6 39.8 5.5 3.8 9.6 41.4 16.5 24.9	67. 52. 5. 3. 6. 33. 16.
Years of School	Completed by Wife						
Less than 12 years:	Total	12.2 2.1 1.9 8.2	13.8 2.1 2.8 8.8	11.0 2.1 1.2 7.8	7.7 1.1 .7 5.9	12.0 3.0 1.2 7.8 44.0	12. 2. 1. 8. 48.
High school: College:	4 years	45.5 42.3 20.9 13.3 8.1	45.0 41.4 20.0 13.3 8.1	45.9 43.1 21.7 13.3 8.1	42.8 49.6 23.5 16.6 9.5	44.1 23.5 13.2 7.4	39. 20. 11. 7.
Occupation of Lo	ngest Job of Wife in 1987						
Processional speciality Technical and related Sales workers	ors, and managerial support t, including clerical oraft, and repair. , and laborers	10.9 15.6 3.3 12.1 29.9 2.4 9.2 16.3	12.6 14.3 3.2 12.9 30.5 2.4 8.4 14.2 1.3	9.5 18.7 3.4 11.4 29.4 2.4 9.9 18.2	10.4 17.1 4.1 11.6 30.4 2.1 8.8 14.7	8.2 17.0 3.8 11.3 26.7 2.4 10.4 19.0	9, 16. 2. 11. 29. 2. 10. 15.

¹Evolution whose whose longest job was in the Armed Forces



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Table 7. Characteristics of Husbands and Characteristics of Wives—Married-Couple Families With Wives' Earnings Greater Than Husbands' Earnings and Wives' Earnings 80 to 100 Percent of Husbands' Earnings in 1987

(Married-couple families as of March 1988. For meaning of symbols, see text)

		All husbands and wive earnings		Wives' earnings greatern		Wives' earnings 80 husbands	to 100 percent of earnings
Characteristic		Husbands' character- istics	Wives' cherecter- istics	Husbands' character- istics	Wives' character- istics	Husbands' character- istics	Wives character istic
Number with earnings	thousands	· 29 079	29 079	5 266	5 266	2 394	2 39
AGE							
25 to 34 years old 35 to 44 years old 15 to 54 years old 55 to 64 years old		1 202 8 271 9 019 6 202 3 632 752	2 264 9 435 9 008 5 529 2 517 327	265 1 490 1 371 1 035 818 287	403 1 675 1 512 966 624 87	103 763 781 455 260 33	16 85 78 42 15
PRESENCE OF CI	HILDREN						
or more own childre All under 6 years of Some under 6 years	or 18 years old	12 475 16 604 4 370 3 115 9 120	12 475 16 604 4 370 3 115 9 120	2 733 2 534 679 449 1 406	2 733 2 534 679 449 1 406	1 118 1 276 387 208 701	1 11 1 27 36 20 70
WORK EXPERIEN	ICE IN 1987	İ					
50 to 52 weeks 40 to 49 weeks 27 to 39 weeks 26 weeks or less . Worked at part-time k 50 to 52 weeks	bsbsbs	27 615 23 679 1 865 1 012 1 059 1 464 688 766	20 033 15 105 1 770 1 140 2 019 9 046 4 272 4 774	4 399 2 971 475 331 622 888 359 508	4 730 4 109 310 155 157 536 381 175	2 317 2 001 160 94 61 77 40	2 20 1 90 18 7 4 18 18
YEARS OF SCHO	OL COMPLETED						
Less than 12 years: High school: College:	Total	4 278 870 748 2 660 10 942 13 859 5 591 4 484 3 784	3 232 547 485 2 200 13 133 12 714 6 275 4 003 2 438	946 187 2002 557 2 079 2 242 1 015 688 539	571 104 105 382 2 188 2 509 1 154 798 560	359 85 74 220 887 1 148 478 351	18 3 3 12 97 1 22 52 40 28
OCCUPATION OF	LONGEST JOB IN						
Professional specialty Technical and related Sales workers Administrative suppor Precision production Operators, fabricators Service workers	ors, and managerial support i support i, including clerical craft, and repair i, and laborers	4 768 3 972 862 3 426 1 503 6 130 5 297 1 943 1 122	3 255 4 651 987 3 520 8 791 702 2 614 4 199 356	641 587 123 699 318 1 028 983 514	837 1 019 262 478 1 444 147 515 510 55	311 358 89 250 172 483 478 171 78	34 53 8 19 72 7 22 18

Excludes persons whose longest job was in the Armed Forces.



Appendix A. Definitions and Explanations

Population coverage. This report includes the civilian noninstitutional population of the United States and 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.

Money wages or salary. Money wages or salary is 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 were made for taxes, bonds, pensions, union dues, etc.

Net income from 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 were 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 were not reported, net income figures exclusive of inventory changes were accepted. The value of saleable merchandise consumed by the proprietors of retail stores is not included as part of net income.

Net income from 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, renter, or sharecropper. Gross receipts include the value of all products sold, government farm programs, 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 farmhands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal personal 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 were considered in determining net income only when they were accounted for in replies based on income tax returns or other official records which reflect inventory changes; otherwise inventory changes were not taken into account.

Total money earnings. Total money earnings is the algebraic sum of money wages or salary and net income from farm and nonfarm self-employment.

Mean earnings. The mean earnings is the amount obtained by dividing the total earnings of a group by the number of units in that group. The means for married-couple families, husbands, and wives are based on married-couple families, husbands, and wives with earnings.

Married couple. A married couple, as defined for census purposes, is a husband and wife enumerated as members of the same household. The married couple may or may not have children living with them. The expression "husband-wife" or "married-couple" before the term "household," or "family," indicates that the household, or family, is maintained by a husband and wife.

Age. The age classification is based on the age of the person at his last birthday.

Own children under 18 years of age. "Own" children in a family are sons and daughters, including stepchildren and adopted children of the householder.

Years of school completed. Data on years of school completed were derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade was finished. The questions of educational attainment apply only to progress in "regular" schools. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior), 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, a high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools was counted only if the credits obtained were regarded as transferable to a school in the regular school system.

Occupation. The data on occupation refer to the civilian job held longest during the income year.



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The occupation groupings were derived from occupation subgroups delineated on the basis of the classification system used in the 1980 census. For more detailed information, see the February 1983 issue of Employment and Earnings, by the Bureau of Labor Statistics.

Work experience. A person with work experience is one who, during the preceding calendar year, did any civilian 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.

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.

Part-time or full-time jobs. A person is classified as having worked at part-time jobs during the preceding calendar year if he worked at civilian jobs which provided less than 35 hours of work per week in a majority of the weeks in which he worked during the year. He is classified as having worked at full-time jobs if he worked 35 hours or more per week during a majority of the weeks in which he worked.

Year-round, full-time worker. A year-round, full-time worker is one who worked primarily at full-time civilian jobs for 50 weeks or more during the preceding calendar year.

Nonworker. A nonworker is one who did not do any civilian work in the calendar year preceding the survey.

Rounding. Percentages are rounded to the nearest tenth of a percent; therefore, the percentages in a distribution do not always add to exactly 100.0 percent. The totals, however, are always shown as 100.0. Moreover, individual figures are rounded to the nearest thousand without being adjusted to group totals, which are independently rounded; percentages are based on the unrounded numbers.

Base figures. The base figures shown are based on civilian noninstitutional population controls for age, race, and sex established by the 1980 census.

Symbols. A dash (-) represents zero or rounds to zero, the symbol "B" means that the base for the derived figure is less than 75,000, the symbol "X" means not applicable, and the symbol "NA" means not available.

Computation of constant dollar distributions. For the years 1981 to 1986, adjustment for price change was made by converting the earnings of husbands and wives into 1987 dollars on the basis of the Consumer Price Index (CPI).

The indices used to make the constant dollar conversions are shown in table A-1. The Consumer Price Index (CPI-U) is an index designed to measure changes in family purchasing power. While the CPI is a good measure of the changes in prices paid by the average family represented in the index (urban consumers), it is not necessarily a good measure of the changes in prices faced by consumers of different characteristics and earnings levels. These limitations should be noted when comparing earnings figures adjusted to constant dollars using the CPI.

Table A-1. Annual Average Consumer Price Index: 1981-87

(CPI-U)

CI																ar
272.		 			 	<u> </u>	-	 -	<u> </u>		-	 	 -		 	 81
289.	1	 			 							 			 	 82
298.		 			 							 				 83
311.												 				84
322		 			 							 			 	85
328.												 				86
340	ļ				 							 				87

Source: Department of Labor, Bureau of Labor Statistics.







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Appendix B. Source and Accuracy of Estimates

SOURCE OF DATA

Most estimates in this report come from data obtained in March of years 1981 through 1988 in the Current Population Survey (CPS). The Bureau of the Census conducts the survey every month, although this report uses mostly March data for its estimates. The March 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 59,500 occupied households are eligible for interview every month. Interviewers are unable to obtain interviews at about 2,500 of these units because the occupants are not 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 accuracy of the data and to satisfy changing data needs. The most recent changes were completely implemented in July 1985.

The following table summarizes changes in the CPS designs for the years for which data appear in this report.

Description of the Current Population Survey

		Housing uni	ts eligible ¹
Time period	Number of sample areas	Interviewed	Not interviewed
1986-88	729	57,000	2,500
1985	² 629/729	57,000	2,500
1982-84	629	59,000	2,500
1980-81	629	65,500	3,000

'Excludes about 2,500 Hispanic households added from the previous November sample. (See "March Supplement.")

²The CPS was redesigned following the 1980 Census of Population and Housing. During phase-in of the new design, housing units from the new and old designs were in the sample.

March supplement. In addition to the basic CPS questions, interviewers asked supplementary questions in March about money income received the previous calendar year.

In order to obtain more reliable data for the Hispanic origin population, the March CPS sample was increased by about 2,500 eligible housing units, interviewed the previous November, that contained at least one sample person of Hispanic origin. In addition, the sample included persons in the Armed Forces living off post or with their families on post.

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 1980 (March 1981 CPS) to the present were based on updates to controls established by the 1980 decennial census. Data previous to 1980 were based on independent population estimates from the most recent decennial census. For more details on the change in independent estimates, see the section entitled "Introduction of 1980 Census Population Controls" in an earlier report (Series P-60, No. 133). The estimation procedure for the March supplement included a further adjustment so husband and wife of a household received the same weight.

The estimates in this report for 1984 and later also employ a revised survey weighting procedure for persons of Hispanic origin. In previous years, weighted sample results were inflated to independent estimates of the noninstitutional population by age, sex, and race. There was no specific control 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.

ACCURACY OF ESTIMATES

Since the CPS estimates come from a sample, they may differ from figures from a complete census using

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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.

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 non-sampling error. 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.

Some statements in the report may contain estimates followed by a number in parentheses. This number can be added to and subtracted from the estimate to calculate upper and lower bounds of the 90-percent confidence interval. For example, if a statement contains the phrase "grew by 1.7 percent (1.0)," the 90-percent confidence interval for the estimate, 1.7 percent, is 0.7 percent to 2.7 percent.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypothesis appearing in this report is that the population parameters are different. An example of this would be comparing income for different years.

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. All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better. This means that the absolute value of the estimated difference between characteristics is greater than or equal to 1.6 times the standard error of the difference.

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 in this report, which reflect 1980 census-based population controls, with estimates for 1979 (from March 1980 CPS) and earlier years, which reflect 1970 census-based population controls. This change in population





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controls had relatively little impact on summary measures such as means, medians, and percent 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.

Since no independent population control totals for persons of Hispanic origin were used before 1984, compare Hispanic estimates over time cautiously.

Note when using small estimates. Summary measures (such as medians and percentage distributions) are shown only when the base is 75,000 or greater. Because of the large standard errors involved, summary measures would probably not reveal useful information when computed on a smaller base. However, estimated numbers are shown even though the relative standard errors of these numbers are larger than those for corresponding percentages. These smaller estimates permit combinations of the categories to suit data users' needs. 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.

Standard errors and their use. A number of approximations are required to derive, at a moderate cost, standard errors applicable to all the estimates in this report. Instead of providing an individual standard error for each estimate, generalized sets of standard errors

Table B-1. Standard Errors of Estimated Numbers

Size of estimate (thousands)	Standard error
25	7
75	12
100	14
250	22
500	31
1,000	43
2,000	68
5,000	96
7,500	117
10,000	134
20,000	184
30,000	219
40,000	245
50,000	264
75,000	. 293
100,000	299
125,000	284

are provided for various types of characteristics. Thus, the tables show levels of magnitude of standard errors rather than the precise standard errors.

Standard errors of estimated numbers. There are two ways to compute the approximate standard error, s_x , of an estimated number shown in this report. The first uses the formula

$$s_x = fs$$
 (1)

where f is a factor from table B-3, and s is the standard error of the estimate obtained by interpolation from table B-1. The second method uses formula (2), from which the standard errors in tables B-1 and B-2 were calculated. This formula will provide more accurate results than formula (1).

$$s_{x} = \sqrt{ax^{2} + bx}$$
 (2)

Here x is the size of the estimate and a and b are the parameters in table B-3 associated with the particular

Table B-2. Standard Errors of Estimated Percentages

Base of estimated percentage			Estimated	percentage		
(thousands)	1 or 99	2 or 98	5 or 95	10 or 90	25 or 75	- 50
75	1.6	2.2	3.5	4.8	6.9	8.0
100	1.4	1.9	3.0	4.1	6.0	6.9
250	0.9	1.2	1.9	2.6	3.8	4.4
500	0.6	0.9	1.3	1.8	2.7	3.1
1,000	0.4	0.6	1.0	1.3	1.9	2.2
2,500	0.3	0.4	0.6	0.8	1.2	1.4
5,000	0.2	0.3	0.4	0.6	0.8	1.0
7.500	0.2	0.2	0.4	0.5	0.7	0.8
10,000	0.14	0.2	0.3	0.4	0.6	0.7
20,000	0.10	0.14	0.2	0.3	0.4	0.5
30,000	0.08	0.11	0.2	0.2	0.3	0.4
40,000	0.07	0.10	0.2	0.2	0.3	0.3
50,000	0.06	0.09	0.13	0.2	0.3	0.3
70,000	0.05	0.07	0.11	0.2	0.2	0.3
75,000	0.05	0.07	0.11	0.2	0.2	0.2
100.000	0.04	0.06	0.09	0.13	0.2	0.2
125,000	0.04	0.05	0.08	0.12	0.2	0.2

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	Paramete	er	
Characteristic	а	b	Factor
1981			
Persons: Labor force	-0.000016	2,078	1.05
Family: Labor force Income Marital status	-0.000025 -0.000010 -0.000010	1,798 1,721 1,389	0.97 0.95 0.86
1982 to 1988			
Persons: Labor force	-0.000016	2,327	1.11
Family: Labor force Income Marital status	-0.000025 -0.000010 -0.000010	2,013 1,896 1,778	1.03 1.00 0.97

type of characteristic. When calculating standard errors for numbers from cross-tabulations involving different characteristics, use the factor or set of parameters for the characteristic which will give the largest standard error.

Illustration of the computation of the standard error of an estimated number. Table 1 part B shows that there were 41,136,000 husbands with earnings in 1987.

Using formula (1) with f = 1.00 from table B-3 and s = 247,000 by interpolation from table B-1 gives the approximate standard error of $247,000 = 1.00 \times 247,000$.

Using formula (2) with a = -0.000010 and b = 1,896, the approximate standard error is:

$$s_x = \sqrt{(-0.000010)(41,136,000)^2 + (1,896)(41,136,000)} = 247,000$$

Using the 247,000 estimate of standard error, the 90-percent confidence interval as shown by the data is from 40,741,000 to 41,531,000. Therefore, 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 accuracy 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 factor or parameter from table B-3 indicated by the numerator.

The approximate standard error, $s_{x,p}$ of an estimated percentage can be obtained by use of the formula

$$\mathbf{s}_{\mathsf{x},\mathsf{p}} = \mathsf{f}\mathsf{s}$$
 (3)

In this formula, f is the appropriate factor from table B-3, and s is the standard error of the estimate obtained by interpolation from table B-2.

Alternatively, formula (4) will provide more accurate results:

$$s_{x,p} = \sqrt{\frac{b}{x} p (100-p)}$$
 (4)

Here x is the total number of persons, families, households, or unrelated individuals in the base of the percentage, p is the percentage (0 \leq p \leq 100), and b is the parameter in table B-3 associated with the characteristic in the numerator of the percentage.

Illustration of the computation of the standard error of a percentage. Table 1 part B shows that of the 41,136,000 husbands who had earnings in 1987, 29,272,000 or 71.2 percent had a wife who also had earnings in 1987

Using formula (3), the appropriate factor from table B-3, (1.00), and interpolation from table B-2, the approximate standard error is $1.00 \times 0.3 = 0.3$ percent.

Table B-4. Number, Mean Earnings, and Standard Errors of Mean Earnings Amount, by Selected Characteristics of Married-Couple Families: 1987

(Married-couple families as of March 1988)

			earnings
Characteristic	Number with earnings (thousands)		Standard error
Total	43,450	\$37,171	\$185
Both husband and wife worked, total	29,278	41,690	2 17
Both husband and wife worked year-round, full-time	12,709	49,025	328
Husband worked, wife did not		31,008	367
Both husband and wife a professional specialty worker	1,534	60,311	1,171
Both husband and wife with 4 years of high school	10,740	31,601	258
Both husband and wife with 4 years of college		53,143	1,021







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Table B-5. Number, Mean Earnings, and Standard Errors of Mean Earnings Amount, by Selected Characteristics of Husbands: 1987

(Husbands as of March 1988)

Characteristic	Number with earnings	. Mean ea	mings
Characteristic	(thousands)	Value	Standard error
Total		\$29,154 33,005 37,067	\$ 174 198 459
Worked in precision, production, craft, and repair occupations	5,477	24,517 40,772 42,146	207 600 588
With 4 years of high school	5,984	24,483 38,973 46,853	197 552 725

Using formula (4) the standard error of the percentage of husbands who had earnings and a wife who had earnings in 1987 is

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$$s_{x,p} = \sqrt{\frac{1,896}{41,136,000}} (71.2) (100.0 - 71.2) = 0.3$$
 Consequently, the 90-percent confidence interval for

Consequently, the 90-percent confidence interval for percentage of husbands with earnings in 1987 who had a wife with earnings in 1987 is from 70.7 to 71.7 percent.

Standard error of a difference. The standard error of the difference between two sample estimates is approximately equal to

$$s_{x-y} = \sqrt{s_x^2 + s_y^2}$$
 (5)

where s_x and s_y are the standard errors of the estimates, x and y. The estimates can be numbers, percents, 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 of the computation of the standard error of a difference. Table 1 part B shows that 41,136,000 husbands had earnings in 1987 (x), and, from table 1 part C, 31,393,000 wives had earnings in 1987 (y). The apparent difference between x and y is approximately 9,743,000 persons.

As mentioned before, the approximate standard error of the estimated 41,136,000 husbands with earnings in 1987 is 247,000. Similarly, the approximate standard error of the estimated number of wives with earnings in 1987 is approximately 223,000.

Using formula (5) the approximate standard error of the estimated difference between x and y is

$$s_{x-y} = \sqrt{(247,000)^2 + (223,000)^2} = 333,000$$

Table B-6. Number, Mean Earnings, and Standard Errors of Mean Earnings Amount, by Selected Characteristics of Wives: 1987

(Wives as of March 1988)

Characteristic	Number with earnings	Mean e	earnings
Characteristic	(thousands)	Value	Standard error
Total Worked year-round, full-time		\$13,245 18,929 5,959	\$97 139 94
Worked in administrative support, including clerical occupations Worked in professional specialty occupations	1	12,794 18,897	131 288
With 4 years of high school	4,176	11,373 17,599 22,769	118 327 491
With no minor children	4,441 3,187	14,256 12,163 10,732 13,067	145 243 274 180

The state of the s

This means that the 90-percent confidence interval for the difference between husbands with earnings in 1987 and wives with earnings in 1987 is from 9,210,000 to 10,276,000. Since this interval does not contain zero, we can conclude with 90-percent confidence that the number of husbands with earnings in 1987 is greater than the number of wives with earnings in 1987.

Standard errors of estimated mean earnings. Tables B-4 through B-6 provide standard errors of estimated mean earnings for some of the estimates in this report. However, because of the approximations used in developing the formula used to estimate the standard error of

a mean, the standard error reported for this statistic will generally be an underestimate. Standard errors for estimates not provided in tables B-4 through B-6 can be obtained by contacting Housing and Household Economic Statistics Division of the Bureau of the Census.

Standard error of a ratio. Certain estimates may be calculated as the ratio of wives' earnings, x, to husbands' earnings, y. Standard errors for these ratios may be approximated by the following formula:

$$s_{x/y} = \frac{x}{y} \sqrt{\left[\frac{S_x}{x}\right]^2 + \left[\frac{S_y}{y}\right]^2}$$
 (6)



Appendix C. Facsimiles of CPS Questionnaires

FACSIMILE I. CPS-260—CONTROL CARD

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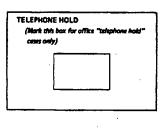






FACSIMILE II. CPS-1-BASIC QUESTIONNAIRE

INTERVIEWER CHECK ITEM	FORM CPS-1	us us	DEPARTMENT OF COMMERCE Bureau of the Consus	CONTROL NUMBER	• • • •	
Only CPS-1 for household				:		!
Second CPS-1 of continuation in hold	CURRENT PO	PULATION	SURVEY		:	
Third, fourth, and 5th CPS-1	Form Approved O.M.S. No. 1220-0100-Es	upires 2-28-89	- Foodic 26.1:1	PSU	SEGMENT	SERIAL
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INTERVIEWER CHECK ITEM

CPS-865 being held for followup

Population

Survey

CPS-1--CONTINUED

CHILDREN'S (0-13 years old) TRANSCRIPTION ITEMS (If more than 4 children in household, use continuation CPS-1 document.)

	FIR	ST CHILD			
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card Item 14b)	18C. PARENT'S LINE	18D. AGE	18G1. SEX Male I Female 2	18K, ORIGIN
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4	Other Rel. of ref, person 10 O	3 3	5	Black 2	5
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8	Non-rel, of Ref. Person with NO OWN rel, in H*htd, 14 O	?	9	Asian or	9
	20	None ⁹		Pacific 4- Islander 5	

ARMED FORCES MEMBERS TRANSCRIPTION ITEMS
(Fill only in interview household for persons with "AF" in CC item 22.

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CPS-1—CONTINUED

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0 0 0 0 0 0 0 interv		oom added	O Student quarters		SALES	32	1		1
week	Mobile home or trailer s	with one	in college dormit	ory	51000 or more	555	5555	5 5	3
12, LINE NO, OF H'HOLD RESP.	or more permanent re	bebba amoo	. O Other not HU (Desc	cribe below) (O (Yes). I	1666	6666	66	6
183496 + 💽	HU not specified above	(Describe below)	. 0		Less then	2 2 2	5555	3.5	?
Non. h*hld. resp.(Specify) O (Send Inter Co		. 🖊			\$1000 (No) a	888	8888	88	8
Interviewed Households G	inly)					1 2 3 3	1 333	′ ′	(Go to 10
	·				 L		ــــــــــــــــــــــــــــــــــــــ		
13. TYPE INTERVIEW			NONINT		PE C (Send Inter	Commi	SEASO	NAL STATE	ıs
Noninterview O	TYPE A 14. (Mark resson and recs.)	15.	11120				16. This unit is it		
Personal O	14. (Mark resources and rect.)		# o)	Demolish	ed	01	·		(FIII HVS IF
Tet. — regular O Tet. — caliback O	REASON RACE		poof hind furniture O	FILI		l l	Year round		HU in Item
ICR filled O	No one home O	• 1	' \	16) House or	trailer moved	° _	By migratory w	orkers O	(Fill Item
•	_	Temp. ooc. by p	persons with URE O	Outside :	agment	o 🔯	Sessonally	0	below If H In Item 4)
<u></u>	Temporarity Shart O White, I	: I the second head	ternofished o	Converte	d to permenent				
13A. INTERVIEWER CHECK ITEM					ess or storage		17. This unit is i	intended for e	occupancy:
Telephone Hold	Refused O Black 2	Converted	tion, not ready O	'!		16-17)	Summers only	0)/Transcribe
(Fill circle for office		to temp. bus Occ. by Armed	siness or storage O	Condemi	ved	°II	Winters only	o	es Instruct on back of
"telephoae Itold" casts only) O	Other - Occ. O All other 3		persons under 14 0	•	r April 1, 1980	0	•		Control Ca
. 0	(Describe below)		nt site or trailer site O		ا معاصلا الم معا	1 1	Other (Describe	r peageur ∪ /	2
·	\	Permit granted, construction	not started	sheet	ine of listing	0	/	,	
` \$1		Other /Soucify	below) O	Other (D	escribe below)	0			
•	\	1							
		1		į					- 1
			T		II would	EUNI NITEI	AS Fill ofter besi		interview as
TRANSCRIPTION ITEMS Fill for interviewed households only. (If continuation)	COC.15 months of cabs (III on first CP	S.I each month.)	(Fill for noninterviewed a	nd interviewed hour	eholds/ proces	d to CPS-668			
	USE OF TELEPH		30. NUMBER OF CONT	TACTS - ACTUA			R CHECK ITEM unish origin (Cod		
27A. TENURE (Transcribe from cc item 10)	29A. Telephone in Househol	d	ATTEMPTED (Tree		m 31)	on the Contro	Card for any p	erson 14+ in 1	this
Owned or being bought I	(Transcribe from C.C. Iter			53456.	_	nousehold?	Yes O (Ast :	-	
Rented2	Yes I (Ship to 2	90)	(C.C. Item 31c)				No O (Go to	O'S-665)	
No cash rent	- No 2 (F# 296)		Telephone I	23456?	8 9 328	id (Reed nen	ne <i>of Reference P</i> nk of November	erson) live at	this address
278. HOUSEHOLD STATUS CHANGE	298.Telephone Available		(C.C. Items 31 d & e	,		THE REAL PROPERTY.	Yes O (F# 3	12C) 1	_
is this a replacement household this month?	(Trenscribe from C.C. Iten		31. TIME OF INTERVI	W (Mark the time	period in		No O (Go n		
Yes O	Yes I (FIII 29c)		which the <u>mejority</u> o		11.3630	NTERVIEW	R CHECK ITER	A (From Cont	trol Card
No O	No 2 (Ship to 3	10)	was obtained or noni determined.)	nterview classificati	707 WES	tono 25) is ref	erange person's	arigin code 1	0 through 1
				n. O 3 to 6 p.:	m. O		Yes O (Go a		
28. TOTAL FAMILY INCOME (Transcribe from cc item 29)	29C. Telephone Interview A (Transcribe from C.C. Itel		6 to 9 a.m		m. O				
(11ghscripe from CC (LBM 25)	(11000000110111000000000000000000000000	,	9 a.m. to Noon.		' 11 -	Did any of the	s following hous ok of November	shold membe 19. 1987? /A	ers live here Read off
A01 O E05 O 109 O M13 O	Yes I (F28 30)	ı	Noon to 3 p.m	. O Midnig		household ma	nber names with	codes 10-17	in oc item 2
802 O F08 O J 10 O N 14 O C03 O G07 O K 11 O REF29 O	No S Jumps		REMINDER		∦		Yes 0 (Go	to CPS-6651	
DO4 O HOS O L12 O REF29 O			Fill items 18A-18K	on pages 2, 5, 7, 9,	end 11.		No 0 1		
				OFFICE	USE ONLY		CODER NUMBE	R	
	1								
_				REINTE	TVIEWER	ļ	A B C D E		KIM
	- 1		1	 	upervisor				
	1		1	i Program:	юро част		$\alpha \alpha \alpha \alpha \alpha$	0000	
	·			Alternate		0	00000		
				Alternate Superviso		0	0 1 5 3 4		



Foedic 28.1:1

Company of the Control of the Contro

CPS-1—CONTINUED

	ED	21. (If j in 19, ship to 21A.)	22_ (If LK in 19, Ship to 22A.)	24.INTERVIEWER CHECK ITEM (Rotation number)	26. INTERVIEWER CHECK ITEM
	20. Did do any work at all	Did have a job or	Man been looking for work	First digit of SEGMENT number is:	(Rotation number)
NE MUMBER	I ART WEEK, not counting	business from which he/she	during the pest 4 weeks?	O. 2, 3, 4, 6, 7 or 8 (Skip to 26)	First digit of SEGMENT
	work around the house?	was temporarily absent or	Yes O No O (Go to 24)	0 1 or 5 (Go to 24A)	number is:
net was doing most	(Note: If form or business	on byoff LAST WEEK?	22A. What has been doing in the is	#)	O 2, 3, 4, 6, 7 or 8 (Ship to 26)
LAST WEEK -	operator in his, ask about		A on flort work? (PROTE ST	24A. When did lest work for pay at a	O 1 or 5 (Go to 25A)
(Working	umpatd work.)	Yes O No O (Go to 22)	methods used; do not read tou;	regular job or business, either full-or	25A. How many hours
Keeping house	Yes O No O (Go to 21,	P		part-time?	Annual dose
Going to school	/	21A. With Wes	with- put, employ, agency	within next 12 months U \	I INCIDENCE TO THE TAIL
or something size?	20A. How many hours @ @	MOUNT CHEST MEETIN	emolover directly		la senimental la
riking (Ship to 204)WK	didwork 1 1	Own illness O	friends or relatives (1 Jupito 3 Appears and 1	3 3 1
th a job but not at workJ	at eti jobe? 3 3	,) .	Placed or answered ads	3 up to 4 years ego 0	4 4
- Line december Like U	4 9	On vecetion O	Nothing (Skip to 24)	⊃ Aup to p years ago · ∪ ′	9 9
maken broken	208, INTERVIEWER 5		Other (Specify in notes, 4.9., JTPA, union or prof.	2 Of Word Area (3kib to	
alam on orthodol	CHECK ITEM 6	1	register, etc.)		- s i
TO A STATE OF THE PARTY OF THE	1	7	228. At the time started look	ing 248. Why did leave that job?	99
	Norm 273) Q	8 Lattor dispute O	for work, was it because he	She Personal, family	0
rther (Specify)OT	1-34 0 (Go to 9	9	1	(Incl. pregnancy) or school	258. tspaid by the hour
•	20C)	New job to begin (Skip	aug some other usesous	Health	on this job?
	35-48 O (Go to 200)	William 30 cers 22C	أينين واستنصاما الأ	0	O Yes O (Go to 25C)
		Temporary layoff	and the second second	o 1	
	200. Did lose any time	ا C اعتمام موسد. دما ™	and an arrivated and a second at a second	Sessoral log completer	<u> </u>
	take any time off LA	, , , , , , , , , , , , , , , , , , ,	Wanted temporary work.	O Stack work or business conditions	O 25C. How much Dollars Cents
	WEEK for any reason such as illness, holida	/ /30 days or more	for a common in house	1	(0000··· 00 00)
	or stack work?		or family responsibilities	O Temporary nonsessonal job completed	O sem IIII
OC. Does USUALLY work 35		date)	a Last rollitary service	Unantisfactory work	10 balluoni 55 52
hours or more a week at this		Other (Specify) . O	Other (Specify in notes)	Other	4444
	didtake	"" 7 1	22C. 1) How many weeks	Ø Ø Other	55 55
Yes O What is the resson	*			24C. Does went a regular job now, either full-or part-time?	1 9 66 66
worked less th	n (218. ts receiving w		C 2 SEPTEM TOTAL PART STITE	11 22 72
38 hours LAST W	not already deducts			3 3 Yes 0 (Go)	88 88
		w 35, employer for any		4 4 Maybe – it depends O (Specify in notes)	9999
No O What is the reason		20C) time off LAST W	did start looking	33 No (/SMa	m 24E/ are o
tess than 36 hour	1	Yes O	for work?	GG Don't know)	(Ash 25D) KEF
a week?	No 0 -7	l l		8 8 240. What are the reasons is not	250. How much dom
	. l <i>F</i> -	No O	3) How many weeks ago		USUALLY 0000
(Mark the appropriets reason		wartine	was laid off?	9 9 (Mark each reason mentioned)	eem per week I I I I
Stack work	, O or at more than or		22D. Has been looking for	e <u>Relieves no work</u> sveilable in line of work or sr	ns o at this job 223
3.5.4	O LAST WEEK?	35 hours or more	o many Ot ball-fills are y	Couldn't find any work	0 3 0 1
Material shortage	O Yes O How mem	et this job?	Full O Part O		
Plant or machine repair	O . Yes O hours did		22E. Could have taken a	job LAST Lacks nec. schooling.	0
New job started during week	• •	Yes O	WEEK If one had been	effered?	1
(terr job am. in a saint week		No O			or tips usually 88
Job terminated during week	ck O (Correct 20A en	- hours	Yes O No O V	Finding in finding	job O received. 99
Could find only part-time w	not already inc	fuded and (Skip to 23 and enter	Aiready has a job	O Other DELETION	0 1 5
Holiday (Legal or religious).	O skip to 23.)	held lest week)		Can't arrange child care	REF
HOHOSAlester or 1913-1913		HORE HER WORLD	Going to school.	U	25E. On this job, is a mem
Labor disputs	O No O		Other (Specify in		O 25E. On this job, is I likely of a labor union or of an
Bad weather	O (Skip to 2		22F. When did lest work	et s	of a tepor union or or an
	O O INDUSTRY	OCCUPATION	22F. When did	e (il health, physical dissource	an a union?
Own illness		00	2 consecutive weeks or Within last 12 months (Spe		Yes O (Skip to 26)
On vecation		I I		Out (speed)	O Yes O (Ask 25F)
I tak havennende	ممماأ	8 8	(Month)	Don't know	
To add the control of	W- ' ' TE	3 3 3	One to five years ago	O 24E. Doss Intend to look for	work 26F. On this job, is cover
Did not went full-time wo	nt U 44	444 555	More than 5 years ago	of any kind in the next 12	the suples of MIDIOVE
Full-time work week	0 8 55	= 666	Never worked full-time 2 wks. or more	O Yes	Viscontracti
under 35 hours Other reason (Specify)		2 ? ?		O I ISSEE It depends (Specify i	
Other Legacu (absent)		888	(SKIP to 23. If layoff anta	ed in 210s NO.	You O You O (Go to 26)
,	N 88	999	enter job, ettner has or jo	lest full time	in 23,
1	Y 39	Ref. O	which laid off. Em end job lesting 2 weeks or mo "never worked.")	otherwise, ship to 26)	
	Ref. O	Une. O	"herer worked.")		23F. INTERVIEWER
(Skip to 23 and enter joing at lest week)					CHECK ITEM
65 MIN MONTH		1	23E. Was th	is person ployee of a PRIVATE Co, ployee of a PRIVATE Co,	
Z3. DESCRIPTION OF S	ork? (Name of company, busines	s, organization or other employer.)	: hus	Ot RUGINIONS (Or see April 2012)	Entry (or NA) in item 20A O
23A. For whom did					· U
		ple: TV and radio rafp, retail shoe st	ore, State Labor Dept., farm.) A FEI	ATE government employee	O (23F)
and the same of the same	ess or industry is this? (For exem	ple: I V and regio mig. (see. 5000 o	AST	ATE government employee	Entry (or NA) in itsm 21B O
			ALO	- A monetice of IRTIII	· · · · · · · · · · · · · · · · · · ·
238. What kind of board			Summer.) Calle	mpl, in OWN bus., prof. practice, or farm	. 0 \ !
Z38. What kind of Jazza		terested engineer, SDCR Clerk, Cypisi	P 18111-1		• • • •
208. What kind of worl	was doing? (For example: a	lectrical engineer, stock clem, typisi	, many		
23C. What kind of work	was doing? (For example: e	set this job? (For example: types,		the business incorporated?	Ship All other cases 0 1

CPS-1-CONTINUED

18A. LINE NO. 0 Ø 1 I 2 2 3 3 3 4 5 6 7 8 9	188. RELATIONSHIP TO REFERENCE PERS Ref. Person WITH rel. in H*hid Ref. person with NO rel. in H*hid Husbend Wife Natural/Adopted Child Step Child Grandchild Parent Brother/Sister Other Rel. of Ref. Person Foster Child Non-rel. of Ref. Person WITH OWN rel. in H*hid Partner/Roommate Non-rel. of Ref. Person (other than partner roommate) with NO OWN rel. in H*hid	01 O02 O03 O04 O05 O06 O07 O08 O11 O11 O12 O	18C. PAR'S LINE NO. ØØIII 22333 455 677 89 None	18D. AGE 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9	18E. MARITAL STATUS Married—civilian spouse present Married—Armed Forces spouse present	00 11 22 33 4 5 6 7 8	Norweteran G	18H. HIGHEST GRADE ATTENDED Ø Ø I I 2 2 3 4 5 6 2 8 9	18I. GRADE COMPLETED Yes I No 2	18J. RACE White I Black 2 Amer. Indian, Aleut Eskimo 3 Asian or Pacific Isl 4 Other 3	18K. ORIGIN 0 0 1 1 2 3 3 4 5 6 7 8 9
28A. (1 s	TERVIEWER CHECK ITEM anscribe from control card item 18) his person is 16–24 years of age O (Ask 26A) All others O (Ship to 26C) If "School" in 19, Verify) LAST WEEK was ttending or exvolled in a high school, college, or niversity (Mark "Yes" if currently on holdery or essonal vecation. Mark "No "for summer vecation). Yes O (Verify) No O (Ship to 26C) High School O College or Univ. O (Ask 26B) s enrolled in school as a full-time or part-time student? Full time O Part time O (Ask 26C)					O Noi O Noi O Noi I I I 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
	NTERVIEWER CHECK ITEM Who responded to the labor force items for this person? Self O Other O Self/Other O	·									



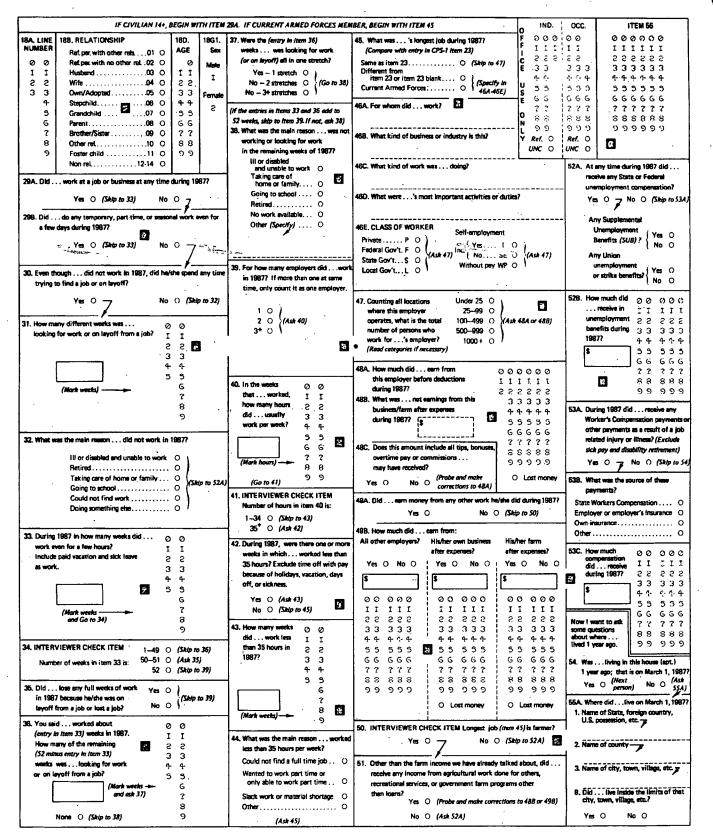
FACSIMILE III. CPS-665—INCOME SUPPLEMENT

1. INTERVIEWER CHECK ITEM	FORM CPS-885					
Only CPS-866 for household (Fitt all applicate First CPS-866 of continuation h*Md,	ر ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا	BUREAU OF THE CENSUS	APLE 3. CONTRO	L NUMBER	!	
Second CPS-865 of continuetion h'hid. O		/ A	c	į	i	IIIII
Third, fourth, etc CPS-865	(P S =	6 6 5	0			
10. INTERVIEWER CODE	INCOME COS	A Branco	6. PSU NO.	7. SEGMENT	B. SERIAL	9. HOUS
ABCDEFGHJKLM	income su	PPLEMENT		NO.	NO.	HOLD
00000000000 0123456789	· ·				1	NO.
0153426182	Form Approved - O.M.B. No. 0607-0354	MARCH 1968		}		
13. TYPE INTERVIEW (CPS-686)	_		000	000	00	_
O Personal 4	INTR	ODUCTION	888	5555	11	S
O Telaphone (FIII 13A below)	(0	Optional)	3 3 3	3333	3 3	3
O Type A Noninterview (Transcribe Items 1, 3, 6-16	We have just complete	d the questions about employment	4 % 4.	4444	خ خ	4
on this page)	information about the econo	larch, the Census Bureau also collects omic situation of Americans and their		0	İ	
13A. DESCRIPTION OF LONGEST JOB (Items 46A-E)	families for the previous yes	Ir. I am oning to ask these cuestions	666	5555	5.5	5
IN THIS CPS-665:	about each question and ans	ISWERS to be perfect, but please think	2 7 7	7777	,6 G	ر 2
Yes O No O		was it the best you can.	888	8888	ខន	3
	8	<u>e</u>	999	. คงจ	ອນ	
77. INTERVIEWER CHECK ITEM				minimi		
TENURE (from Control Card from 10)	 During 1987, how many of the children in this household usually ste a complete hot lunch 		ai, 94. The go	remment has an	energy assist	auce
Owned or being bought I	offered at school?	State, or local government is paying part of the cost?	program	n which helps po	ly heating cos	rto.
Rented 2	O All	Yes O	This and	listance can be n household or it o	scelved direct can be naid di	dy menthe
No cash rent 3	O Some, but not all — Mark number	No O	to the	fectric company	, gas compen	y
78. How many housing units are in this structure?	123436789+		or fuel			
10 5-9 0	O None	90. Did anyone in this household get food stamp	Since 0	ctober 1, 1987, essistance of th	has this hour	ehold
2 O 10 ⁺ O 🛣	84. Interviewer Check I term	st any time during 1987?		local governme	urs. Liga cype mom :	the factors!,
	Entry in Control card Item 29 5:	Yes O (Ash 91)				
79. INTERVIEWER CHECK ITEM	1	No O (Stap to 94)		Yes O (Ash	95)	
Some household members under age 15 O (Ask 80)	Under \$30,000, NA or Ref. () (Fill 85)		_	No O (Enc	(questions)	
No household members under age 16 O (Ship to 82)	\$30,000 or more O End guestions	91. How many of the people now living here were covered by food stamps during 1987?	ĺ			
80. During 1987, how many of the children in this household	-	1 . 1		3		
under age 15 were covered by Medicare or Medicaid?	,	e e	L			
O All		All O 3		er, how much e		
O Some, but not all — Mark number	85. Interviewer Check Item	5 5	has been	received since (October 1, 19	877
123456789	All or some merked in 83 O (Ask 86)	6 7			0000	
O None	None marked in 83 or 83 blank O (Skip to 87)				IIII	
11. During 1967, how many of the children under age 15 in this	88. During 1987, how many of the children in this household received free or reduced price luncher	9 +	1 15		3 3 3	
household were covered by a health insurance plan	because they qualified for the Federal School	92. In how many months of 1987 were food stam	78 L		444	
(Excluding Medicald and Medicare)?	Lunch Program?	received?	(Nean	și dollar) 🛂	3 3 5 6 6 6	
O All	O All O Some, but not all — Mark number	11			777	
153436589 *	/	2	1		888 999	
O None (Sitto to 62)	123456789*	3 4				
	O None	All O 5				
1A. How many of these children were covered by the health insurance plan of someone not residing in this household?	87. Interviewer Check Item	6	1			
O All	Owned marked in 77 O (Skip to 90)	8				
 Some, but not all — Mark number 	Rented or no cash rent marked in 77 O (Ask 88)	9	_			
123456789+		93. Whet was the value of all the food stamps received during 1987?				ĺ
O None	88. Is this house in a public housing project that is, is it owned by a local housing authority	(Add monthly amounts to obtain annual figure)				1
2. Interviewer Check (term	or other public agency?	0000				
ः गान्तराक्का धाक्य । स्था	Yes O (Ship to 90)	1111	1			
Some household members 5-18 years old O (Ask 83)	No (Ash 89)	(Nearest dollar) 3 3 3 3	1			
· ·	0 (1	444				
No household members 518 years old O (Skip to 84)		3 3 5 5 6 6 6 6	CODER NUMB			
	1	7 7 7 7		DEFGH		
	i	8888	1 200	00000	0000	
	·	9999 (41494)	i			



FOLLOW-UP INFORMATION - ALL 665'S MUST BE MAILED TO R.O. BY MARCH 28.		
(1) Complete items 2, 3, 8—9, 77, 79, 82 and 84 on page 1.		
(2) Complete items 18A, 18B, 18D, and 18G1 for each 14+ person.		
(3) Industry and occupation description from CPS-1 Items 23A-23E as applicable.		
(4) Complete items 56D and 58.	·	
(5) Note Names and Line No.'s of persons neading followup. Also, as necessary note address, telephone, and 'best time to call' information from control card.		
Tible society, telephone, and look time to take the manual transfer that to be to be		
·		
•		
	·	
NOTES:		
NOTES:		
NOTES:		











COMPLETE LINE NUMBE	R FOR ALL PERSONS 14+ BEFORE I	EGINNING QUESTIONS ON EACH PA	AGE (NAME IS OPTIONAL)	
NAME (Options)				
LINE NUMBER (Issue 184)	Page 3	Free 4	Page 5	Page 6
	0 0 1 1 2 2 3 3 4 5 6 7 8 9	0 0 1 1 2 2 3 3 4 5 6 7 8 9	0 0 1 2 2 3 3 5 6 7 8 9 9	Ø Ø 1 1 2 2 3 3 4 5 5 6 7 8 9 9
DURING 1987 DID ANYONE IN THIS HOUSEHOLD RECEIVE: A. Any Social Security payments from the U.S. Government? Yes O 7 No O (Step to 57A)			·	
568. Who received Social Security payments either for themselves or as combined payments with other family members?	Yas O No O	Yes O No O	Yes () No O	Yes O No O
Complete 56C for each person with e "Yes" in 568 56C. How much did receive in Social Security payments during 1967? (separate combined payments)	0 0 0 0 0 0 0 1 1 1 1 1 1 1 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 I I I I I I I I I I I I I	O Already 22222 included 3333
NOTE: Social Security checks usually arrive on the 3rd of every month in a gold colored envelope. Amount should be before the Medicere deduction.	3555 6666 7778 8888 9999	3555 6666 7277 8888 9999	3 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 8 9 9 9 9	7 7 7 7 8 8 8 8 8
SSD, INTERVIEWER CHECK ITEM Children under 23 present – (Ask 55£) No children under 23 present – (Skip to 57)				
56E. Did anyone in this household receive any superate Social Security payments which we have not tailed about for the children in this household? Yes O No O (N° "Yes," make necessary changes to include this amount				
in 56C for person receiving) DURING 1987 DID ANYONE IN THIS HOUSEHOLD RECEIVE: A. Any SSI payments, that it, Supplemental Security Income?				
You O No O (Go to next page) 578. Who received SSI? (Anyone else!)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Complete 57C for each person with "Yes" in 578) 57C. How much did receive in Supplemental Security Income during 19677 (Include both Federal and State SSI)	\$ 5 5 5 5 0 0 0 0 0	\$ 5 5 5 5 1 1 1 1 1 0 0 0 0	S S S S I I I I I I I I I	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
NOTE: Federal SSI checks usually arrive on the first of every month in a blue colored envelope. (Go to 57C for mext person with "Yes" in 578 or go to mext page)	3 3 3 3 4 4 4 4 4 4 5 5 5 5 5 5 6 6 6 6 6 6 7 7 7 7 8 8 8 8 8 9 9 9 9 9	4 444 5 5 5 5 6 6 6 6 7 7 2 7 8 8 8 8	4 4 4 4 5 5 5 5 5 5 5 6 6 6 6 6 7 7 7 7 8 8 8 8 8	7 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Redicere Deduction \$17.90(month				
	*			
,				



NAME (Optional)				T
LINE NUMBER (Item 18A)	Page 3	Pige 4	Page 5	Page 6
58. Interviewer Check Item Entry in control cerd Item 29 is: \$30,000 or more ○ (Skip to item 60) Under \$30,000, NA or Ref. ○				
59. AT ANY TIME DURING 1987 EVEN FOR ONE MONTH DID ANYONE IN THIS HOUSEHOLD RECEIVE: 59A. Any public sesistence or welfare payments from the State or local welfare office? Yes O 7 No O (Ship to 60A)	2		A	
508. Who received these payments? (Anyone else?)	Yes C No O	Yes O No O	Yes O No O	Yes O No O
(Complete 59C to 59E for coch person with a "Yes" in 598) 58C. Did receive AFDC (ADC) or some other type of assistance payments?	O AFDC (ADC) O Other O Both	O AFDC (ADC) O Other O Both	O AFDC (ADC) O Other O Both	O AFDC (ADC) O Other O Both
590. In how many months of 1987 did receive these payments?	Months	Months	Months	Months
	0153456789	Ø153426382 Ø1	0183726389 01	0183456789
59E. How much did receive in public assistance or welfare during 1987? (Go to 59C for next person with "Yes" in 598 or ask 60)	00000 11111 2222 3333 41144	00000 :::::: :::::::::::::::::::::::::	\$ 00000 IIIII 2222 3333	\$ 00000 11111 2222 3333
• 🗖	3553 3 6666 777 8888 9999	5555 G 6666 ???? 8888 9999	4444 5355 8 6666 7777 8888 9999	1144 3333 6666 7777 8838 9999
60. AT ANY TIME DURING 1987 DID ANYONE IN THIS HOUSEHOLD RECEIVE: 60.A. Any payments from the Veterans' Administration (VA)? Yes O				
608. Who received payments from the Veterans' Administration (VA)? (Anyone ette?)	Yes () 6 No C	Yes O 2 No O	Yes O & No O	Yes ○ Mo ○
(Complete 60C to 60E for each person with a "Yer" in 60B) 60C. What type of Veterand payments did receive? (Mark all that apply)	Service-connected dissbility compensation O Survivor Benefits O Veterans' pension O Educational assistance O Other Veterans' psyments O	Service-connected disability compensation O Survivor Benefits O Veterans' persion O Educational assistance O Other Veterans' payments O	Service-connected dasbility compensation O Survivor Benefits O Veterars' pension O Educational essistance O Other Veterars' payments	Service-connected disability compensation O Survivor Benefits O Veterana' persion O Educational assistance O Other Veterans' payments O
600. is required to fill out an annual income questionnaire for the Veterars' Administration?	Yes O No O	Yes O No O	Yes O No O	Yes O No O
60E. How much did receive in payments from the Veterans' Administration during 1987?	00000	00000	\$ 00000 IIIII	\$ C 0 0 0 0
(Ask 60C to 60E for next person with "Yes" in 60B or go to next page)	2 2 2 2 2 3 3 3 3 4 4 4 4 4 4 5 5 5 5 5 6 6 6 7 7 7 7 8 8 8 6 9 9 9 9	2 2 2 2 2 2 3 3 3 3 3 3 3 4 4 4 4 4 4 4	2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 9 9 9 9 9	2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 8 9 9 9 9 9
				·





NAME (Optional)				
LINE NUMBER (From 18A)	Page 3	Page 4	Page 5	Page 6
	,			
(Other than Social Security or VA benefits), did anyone in this				
household receive any income in 1987 from survivor or widow's pensions, estates, trusts, annuities, or any other survivor benefits?	ł			
heumong' erreral marat entrances' or sub doubt attained designitity.				
Yes O 7 Mo O (Go to next page)				
61B. Who received this income? (Anyone else?)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Complete 61C to 61G for each person with a "Yes" in 618)			140 140	120 100
61C. What was the source of this income? (Any other widow or survivor income?)				
01. Company or union survivor pension (Inc. profit sharing)	Yes O No O	Yes O No O	V- 0 11-0	l
02. Federal Government (Civil Service) pension		Yes O No O	Yes O No O Yes O No O	Yes O No O
03. U.S. Military ratirement survivor pension.		Yes O No O	Yes O No O	Yes O No O
04. State or Local gov't, survivor pension		Yes O No O	Yes O No O	Yes O No O
05. U.S. Railroad retirement survivor pension		Yes O No O	Yes O 🐼 No O	Yes O 1 No O
08. Worker's compensation survivor pension.		Yes O No O	Yes O No O	Yes O No O
07. Black lung survivor pension		Yes O No O	Yes O No O	Y= 0 No 0
08. Regular payments from estates or trusts		Yes O No O	Yes O No O	Yes O No O
09. Regular payments from annuities or paid-up insurance policies	Yes O No O	Yes O No O	Yes O No O	Yes O No O
10. Other or don't know (Specify in Notes)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Complete 61D and 61E for first "Yes" in 61C)				
61D. Income Source Code	l ø i	ø i	ø t	0 1
	0123456789	0123756789	0123456789	0123456789
61E. How much did receive in (read source)	00000	00000		
during 1987?	\$ 11111	11111	00000	1111
	1 25555	55555	88888	
(Complete 61F and 61G for next income source marked or go to 61C		33333	33333	3333
for next person with "Yes" in 618 or go to next page)	_ 1.4414	4444	ቀ ቀ ቀ ቀ ቀ ቀ	4444
	2 55555	. 🔝 55555	2 3 3 3 3 3	3 3 3 3 3
	66666	66666	66666	
	77777	77777	77777	7 7 7 7
	8888	88888 99999	8 8 8 8 8 9 9 9 9 9	8888
61F. Income Source Code				
	øī		,	
	0153456589	01 0123456789	0123436789	01 0123456789
61G. How much did receive in (read source)	00000		0000	
during 19877	\$ 11111	11111	11111	1111
,	55555	ssss [5888	5 5 5 5
1	3 3 3 3 3	33333	33333	3333
	44444	4444	4444	4444
• 🗷	2 55555	55555	£ 55555	□ 5555
(Go to 61C for next person with "Yes" in 61B or go to next page)	66666	66666	66666	6666
	77777	? ? ? ? ? 8 8 8 8 8	? ? ? ? ? 8 8 8 8 8	7777
	99999	99999	99999	8888 9999
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RE (Optional)	ŀ			Peet 6
E MUNISER (horn 18A)	p.3	~	Page 5	
oss snyone in this household have a health problem or disability which prevents them from working or which limits the kind remount of work they can do? Yes O 7 No O (Ship to 63A)				·
628. Who is thet? (Anyone che?)	Yes O No O	Yes O No O	Yes O No O	Yes O No C
Is there anyone in this household who ever retired or left a job for health reasons? Yes O — No O (Sktp to 64A)	5	5 .	8	8
638. Who is that? (Asyone else?)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
INTERVIEWER CHECK ITEM O "No" to both 62A and 63A (Skip to east page) O "Yes" in either 62A or 63A —7	Yes O	Yes O	Ye 0	Yes C No C (Ask 648 for next
(Complete 648 to 64G for each person with a "Yes" to either 628 or 638) 848. (Other than Social Security or VA benefits), Gld escalve any income in 1987 as a result of this health problem (dhabitity/handlosp)?	No. (Ask 648 for next person with "Yes" in 628 or 63 or sldp to next page)	No (Ask 648 for next person with "Yes" in 628 or 62 or skip to next page)		
84C, What was the source of this income? (Any other income releted to this health candidon or disability?) (1), Worker's compensation (2), Company or union disability (3), Federal Government (Chd Service) disability	Yes O No O	Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O	Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O	Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O
GL Votes to covernment distriction GL U.S. nilitary retransent distriction GL State or local gav't, employes distriction GL U.S. Railroad Retransent distriction GP. Academic or districtly interesses GB. State: Lung retrain distriction GB. State: semporary sickness	Yes O	Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O	Yes O A No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O	Yes O S No O Yes O No O Yes O No O Yes O No O Yes O No O Yes O No O
10. Other or don't know (Specify in notes). (Complete 640 & 64E for first "Ves" in 64C)		0 1	1 0	ØI Ø1234567
64D. Income Source Code	0153426589	0133736789		
64E. How much did resolve from (read source) during 1987? (Complete 64F and 64G for next lacome source marked or go to 64)	8 S S S S S S S S S S S S S S S S S S S	3 3 3 3 3 3	1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 4	33 44
(Complete 64° and 640 in 41' in either 62A or 638 or go to sext page) for next person with "Yes" in either 62A or 638 or go to sext page)	7	5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8	55 5555 66 77 777 88 8888	7 7 7 8 8
84F. Income Source Code	01 01 34 56 ? 8 5	01 01 23 4 5 6 7 8	9 01 9 012315678	
64G. How much did receive from(reed searce during 1987?		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
(Go to 648 for next person with "Yes" in either 628 or 638 or go to next page)	444 5 333 6 6 6 7 7 7	1 4 4 4 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	5 5 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

N	AME (Optional)				
		Pegn 3	Page 4	Page 5	Page 6
LI	NE NUMBER (Item 18A)			regio o	
	ther than Social Security or VA benefits) During 1987 did anyone in		35		
	is household receive any pension or retirement income from a pravious			es a	
er	nployer or union(pause), or any other type of retirement income?				
	Yes O 7 No O (Go to next page)				
	65B. Who received pension or retirement income? (Amyone else?)	Yes O No O	Yes () No ()	Yes () No ()	Yes O No O
	(Complete 65C-65G for each person with a "Yes" in 658)		. ,		
	65C. What was the source of this income?				
	(Any other pension or retirement income?)				
!	Company or union pension (inc. profit sharing)	Yes O No O	Yes O No O Yes O No O	Yes O No O	Yes O No O
	3. U.S. Military retirement	Yes O No O	Yes C) No O	Yes O No O	Yes O No O
- 1	4. State or local government persion	Yes O 🛂 No O	Yes O 🚰 No O	Yes O 🕵 No O	'Yes O 💽 No C
	5. U.S. Railroed Retirement	Yes O · No O	YesO NoO ⊱,, YesO NoO	Yes O No O	Yes O No O
	6-Regular payments from annuities or paid up insura Typolicies 7. Regular payments from IRA or KEOGH accounts	Yes O No O -	Yes O No O	Yes O No O	Yes O No O
	B. Other or don't know (Specify in notes)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
	(Complete 65D and 65E for first "Yes" in 65C)				
	65D. INCOME SOURCE CODE				
		18345678	18345678	18345678	12345678
	65E. How much did . , . receive from(read source)	00000	00000	00000	00000
	during 1987?	55555	55555	85555	5555
		33333	33333	33333	3,3333
	(Fill 65F and 65G for next income source marked or go to 65C	41.441	44441	44444	44444
	for next person with "Yes" in 65B or Skip to next page)	\$ 55555	5 5 5 5 5	5.5555	55555
!		66666	66666	66666	66666
	•	88888	88888	88888	8888
		99999	99999	9 9 9 9 9	99999
	86F, INCOME SOURCE CODE				
		18345678	12345678	12345678	12345678
	65G. How much did receive from(read source)	00000	00000	00000	00000
	65G. How much did receive from(read source) during 1987?	tiii:	11111	S IIIII	S
	(Go to 65C for next person with "Yes" in 65B or go to next page)	88888	88888	28888	
	GO to OSC for hext person with Test in OSB or go to hext page)	33333	33333	3 3 3 3 3 ·	33333
	• 🐼	2 55555	S 5 5 5 5 5	3 5 5 5 5 5	3 3 3 5 5 5 5
	_	_	_ 66666	66666	66666
		77777 មិនខម្	77777	77777	77777
		99999	จ็จจังจั	99999	9999
OTE	S:				
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NAME (Optional)	T :		T .	<u> </u>
LINE NUMBER (tem 18A)	Page 3	Pege 4	Page \$	Page 6
66. AT ANYTIME DURING 1987 DID ANYONE IN THIS HOUSEHOLD 66A. Have money in any kind of sevings account or money merket fund? Yes O No O Have any bonds, tressury notes, IRA's or certificates of deposit? Yes O No O Have an interest earning checking account or any other investments which pay interest? Yes O No O	2			
888. Which members of this household had? (Anyone etse?) (Include each in cases of joint accounts or ownership)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Ask 66C for each person with "Yes" in 668) 88C. How much did receive in interest from these sources during 1987, including even small emounts credited to eccounts? (Separete emounts for joint ownership) (Ask 66C for next person with "Yes" in 668 or ask 67)	\$ 00000 1 1 1 1 1 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 O Already Included 7 7 7 7 7 8 3 8 8 8 9 9 9 9 9	\$ I I I I I I 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4 4 5 5 5 5 5 5 5	\$ 11111 22222 33333 4444 4444 53353 0 Abrecty included 77727 88888 99999	\$ 1 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4
67. AT ANYTHEE DURING 1987 DID ANYONE IN THIS HOUSEHOLD 67A. Own any shares of stock in corporations (pouse) or any mutual fund shares? Yes O No O (Skip to 68A)	B •			
67B. Which members of this household? (Anyone else?) (Include each in cases of joint ownership)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Ask 67C for each person with "Yes" in 67B) 67C. How much fidreceive in dividends from stocks (mutual funds) during 1987? (separate amounts for joint ownership) (Ask 67C for next person marked "Yes" in 67B or ask 68)	\$ I I I I I I 2 2 2 2 2 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4	\$ 00000 11111 22222 33333 4444 55555 0 Already included 67777 88888 99999	\$ I I I I I I 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SB. DURING 1987 DID ANYONE IN THIS HOUSEHOLD: SBA. Own any land, business property, spertments, or houses which were rented to others? Yes O No O Receive income from royalties or from roomers or boarders? (Exclude amounts pold by reletives) Yes O No O Receive income from estates or trusts?(Exclude estates or step to next page)				
688. Who received this rent (income)? (Arryone else?) (Include each in case of joint ownership)	Yes O No O	Yes O No O	Yes O No O	Yes O No O
(Ash 68C for each person with "Yes" in 688) 68C. How much did receive in income from rent (roomers	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33333	33333	\$ 0000 1111 2222 3333

N.	AME (Optional)						
LI	NE NUMBER <i>(tum 18A)</i>	Page 3	Page 4	Page 5	Page 6		
ti	uring 1987 did anyone in this household attend school beyond the high school level including a college, university or other schools including vocational, business or trade schools? Yes O No O (Go to						
	698. Did arryone receive any educational esistance for cultion, fees, books, or living expenses during 1987?(Exclude loans or assistance from household members or VA educational benefits) Yes 0 7 No 0 (Go to						
	Yes O No O (Go to next page) 69C. Which member received austrance? (Anyone etse?)	Yes O No O	Yes O No O	Yes O No O	Yes O No O		
	(Camplete 69D to 69H for each person with "Yes" in 69C)						
	690. What type of existance did receive? (Any other essistance?) 1. Pell Grant	Yes O No O	Yes O No O	Yes O No O	Yes O No O		
	t, rem Glant			<u> </u>	_		
	2. Son a other government assistance	Yes O 🔁 No O	Yes O 🛭 No O	Yes O 33 No O	Yes O 🚺 No O		
	3. Scholarships, grants, etc.,	Yes O No O	Yes O No O	Yes O No O	Yes O No O		
	4. Other assistance (employers, friends, etc.) (Exclude assistance from household members)	Yes O No O	Yes O No O	Yes O No O 4	Yes O No O		
	89E. INTERVIEWER CHECK ITEM	Yes () (Ask 69F)	Yes O (Ash 69F)	Yes: O (Ask 69F)	Yes O (Ask 69F)		
	Pell Grant marked "YES" in 69D?	No (Ship to 69H)	No ○ (Sklp to 69H)	No 'O (Skip to 69H)	No O (Ship to 69H)		
	89F. How much did receive in Pell Grants during 1987?	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33333	\$ 11111 22222		
	• 🛛	4+4+4 7 5555 6666 77777 88888 99999	44444 35555 66666 7777 88888 99999	44444 353355 66666 7777 88888 99999	4 4 4 4 4 4 4 5 5 5 5 5 5 5 6 6 6 6 6 7 6 7 6 7 8 8 8 8 8 9 9 9 9 9 9		
ł	89G. INTERVIEWER CHECK ITEM	Yes O (Ask 69H)	Yes (Ask 69H)	Yes O (Ask 69H)	Yes O (Ask 69H)		
	Sources other than Pell Grant marked "YES" in 69D?	No (Skip to next person marked "Yes" in 69C or Go to next page)	No (Skip to next person marked "Yes" in 69C or Go to next page)	No O (Skip to next person marked "Yes" in 69C or Go to next page)	No (Skip to next person marked "Yes" in 69C or Go to next page)		
	69H. How much did receive in (other) educational assistance	00000	00000	00000			
	during 1987? (Go to 690 for next person marked "Yes" In 69C or Go to next page)	\$ IIIIII 22222 33333 4444 53555	\$ 11111 22222 33333 44444 55555	\$ 11111 2222 33333 4444 55553	\$ IIIII 22222 33333 44444 55555		
	·	66666 27777 88888 99999	66666 277777 88888 99999	66666 277777 88888 99999	66666 7777 88888 99999		
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