Table 189. Economic Characteristics for the Rural Portion of Counties: 1980

[Data are estimates based on a sample; see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendixes A and B]

The State Counties	The State	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle
LABOR FORCE CHARACTERISTICS								
Persons 16 years and over	**249 796**	**17 131**	**18 101**	**13 654**	**27 359**	**4 647**	**17 385**	**3 387**
Labor force	158 890	11 193	11 721	8 292	19 240	2 658	10 548	1 997
Percent of persons 16 years and over	63.6	65.3	64.8	60.7	70.3	57.2	60.7	59.0
Employed	148 171	10 433	10 817	7 574	18 280	2 420	9 778	1 811
Unemployed	10 558	750	886	700	948	238	755	183
Percent of civilian labor force	6.7	6.7	7.6	8.5	4.9	9.0	7.2	9.2
Female, 16 years and over	**127 026**	**8 587**	**9 436**	**6 951**	**13 663**	**2 349**	**8 788**	**1 712**
Labor force	65 442	4 474	5 199	3 336	7 789	1 058	3 864	779
Percent of female, 16 years and over	51.5	52.1	55.1	48.0	57.0	45.0	44.0	45.5
Employed	61 264	4 213	4 877	3 030	7 365	986	3 541	709
Unemployed	4 171	261	322	306	424	72	323	70
Percent of civilian labor force	6.4	5.8	6.2	9.2	5.4	6.8	8.4	9.0
Employed persons 16 years and over	**148 171**	**10 433**	**10 817**	**7 574**	**18 280**	**2 420**	**9 778**	**1 811**
Managerial and professional specialty occupations	33 952	2 125	2 481	1 596	5 333	380	1 575	371
Professional specialty occupations	20 274	1 356	1 383	1 005	3 278	208	903	210
Technical, sales, and administrative support occupations	36 008	2 243	2 720	1 803	5 446	443	1 978	496
Administrative support occupations, including clerical	19 720	1 248	1 281	1 046	2 861	269	1 062	265
Service occupations	18 360	1 199	1 362	903	1 797	301	1 023	175
Farming, forestry, and fishing occupations	11 067	1 464	368	771	709	157	1 622	176
Farm operators and managers	5 200	740	141	334	288	50	827	88
Farm occupations, except managerial	3 815	612	78	232	333	32	689	67
Related agricultural occupations	619	46	82	22	39	3	37	11
Precision production, craft, and repair occupations	21 108	1 497	1 378	1 038	2 431	357	1 365	283
Operators, fabricators, and laborers	27 676	1 905	2 508	1 463	2 564	782	2 215	310
Handlers, equipment cleaners, helpers, and laborers	5 201	358	497	295	461	109	393	52
Employed females 16 years and over	**61 264**	**4 213**	**4 877**	**3 030**	**7 365**	**986**	**3 541**	**709**
Managerial and professional specialty occupations	14 499	939	996	652	2 015	194	642	141
Professional specialty occupations	10 268	679	653	502	1 424	136	462	88
Technical, sales, and administrative support occupations	23 544	1 442	1 827	1 213	3 294	278	1 249	304
Administrative support occupations, including clerical	15 885	1 026	1 021	825	2 216	195	818	213
Service occupations	11 594	795	768	643	1 067	195	710	113
Farming, forestry, and fishing occupations	1 711	220	78	121	121	9	225	25
Farm operators and managers	788	82	25	61	48	7	97	13
Farm occupations, except managerial	728	122	17	46	59	2	115	12
Related agricultural occupations	125	13	29	1	6	–	9	–
Precision production, craft, and repair occupations	1 616	159	151	86	124	45	81	23
Operators, fabricators, and laborers	8 300	658	1 057	315	744	265	634	103
Handlers, equipment cleaners, helpers, and laborers	1 210	109	164	44	87	30	64	27
Employed persons 16 years and over	**148 171**	**10 433**	**10 817**	**7 574**	**18 280**	**2 420**	**9 778**	**1 811**
Private wage and salary workers	105 375	7 184	8 431	5 008	13 846	1 689	6 969	1 280
Government workers	22 712	1 508	1 057	1 247	2 807	394	1 146	303
Self-employed workers	18 240	1 546	1 227	1 177	1 500	239	1 457	221
Unpaid family workers	1 844	195	102	142	127	98	206	7
Male, employed in agriculture	**8 169**	**1 200**	**231**	**491**	**579**	**78**	**1 362**	**132**
Wage and salary workers	3 672	580	107	194	340	32	640	69
Self-employed workers	4 109	587	122	249	203	38	650	63
Unpaid family workers	388	33	2	48	36	8	72	–
Female, employed in agriculture	**1 910**	**246**	**101**	**122**	**147**	**11**	**249**	**29**
Wage and salary workers	630	80	43	24	59	4	78	16
Self-employed workers	833	80	46	58	59	7	105	13
Unpaid family workers	447	86	12	40	29	–	66	–
INCOME IN 1979								
Households	**115 694**	**7 953**	**8 541**	**6 360**	**12 478**	**2 176**	**7 831**	**1 602**
Less than $5,000	13 386	909	840	987	818	295	983	192
$5,000 to $7,499	10 847	765	797	691	729	279	739	148
$7,500 to $9,999	11 269	743	840	677	805	260	675	170
$10,000 to $14,999	22 849	1 691	1 649	1 364	2 075	483	1 645	304
$15,000 to $19,999	20 292	1 445	1 543	1 106	2 063	395	1 275	285
$20,000 to $24,999	14 300	962	1 088	724	1 795	239	1 045	186
$25,000 to $34,999	14 133	904	1 022	564	2 445	162	927	194
$35,000 to $49,999	5 702	378	451	142	1 232	39	363	93
$50,000 or more	2 916	156	311	105	516	24	179	30
Median	$14 883	$14 601	$15 417	$13 075	$19 335	$12 369	$14 576	$14 768
Mean	$17 394	$16 751	$18 577	$14 816	$21 796	$14 252	$17 198	$16 974
Families	**88 067**	**6 269**	**6 395**	**4 848**	**9 958**	**1 689**	**6 387**	**1 261**
Median income	$16 653	$16 128	$17 147	$14 717	$20 914	$14 328	$16 050	$16 151
Mean income	$19 235	$18 371	$20 515	$16 498	$23 257	$15 887	$18 652	$18 105
Unrelated individuals 15 years and over	**43 377**	**2 553**	**3 322**	**2 536**	**4 032**	**751**	**2 114**	**448**
Median income	$5 855	$6 017	$6 255	$4 175	$8 568	$4 466	$5 578	$7 371
Mean income	$7 605	$7 145	$8 578	$6 114	$10 069	$5 553	$7 382	$9 841
Per capita income	**$6 001**	**$5 596**	**$6 632**	**$5 150**	**$7 028**	**$4 929**	**$5 408**	**$5 896**
Households with farm self-employment income	**6 247**	**767**	**172**	**442**	**446**	**71**	**761**	**101**
Mean income	$21 148	$22 244	$20 565	$18 746	$25 661	$14 050	$24 779	$21 793
Mean farm self-employment income	$7 117	$9 102	$5 578	$5 217	$5 729	$3 408	$11 868	$6 293
Percent of household income from farm self-employment:								
Less than 25.0 percent	1 839	183	50	175	188	13	127	29
25.0 to 49.9 percent	808	103	14	59	55	16	122	12
50.0 to 74.9 percent	872	126	27	52	40	4	143	16
75.0 percent or more	1 497	220	38	87	69	15	265	23
INCOME IN 1979 BELOW POVERTY LEVEL								
Families	**8 221**	**667**	**414**	**619**	**692**	**201**	**747**	**126**
Percent below poverty level	9.3	10.6	6.5	12.8	6.9	11.9	11.7	10.0
Female householder, no husband present	2 401	184	118	140	250	62	199	17
Unrelated individuals for whom poverty status is determined	**10 592**	**666**	**582**	**759**	**879**	**319**	**730**	**106**
Percent below poverty level	27.3	27.1	20.8	36.2	21.8	42.5	34.5	23.7
Persons for whom poverty status is determined	**39 875**	**3 031**	**2 058**	**3 085**	**3 290**	**1 068**	**3 515**	**561**
Percent below poverty level	12.1	12.9	8.8	17.0	8.5	17.2	14.4	12.2
Related children under 18 years	14 154	1 153	699	1 110	1 172	368	1 404	199
65 years and over	4 877	330	276	388	230	116	467	100

Table 189. **Economic Characteristics for the Rural Portion of Counties: 1980**—Con.

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Counties	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor
LABOR FORCE CHARACTERISTICS							
Persons 16 years and over	**12 531**	**16 816**	**13 382**	**30 273**	**25 598**	**16 710**	**32 822**
Labor force	8 131	10 337	8 089	18 570	16 244	11 054	20 816
Percent of persons 16 years and over	64.9	61.5	60.4	61.3	63.5	66.2	63.4
Employed	7 355	9 778	7 361	17 347	15 117	10 212	19 888
Unemployed	774	548	721	1 220	1 090	829	916
Percent of civilian labor force	9.5	5.3	8.9	6.6	6.7	7.5	4.4
Female, 16 years and over	**6 402**	**8 482**	**6 820**	**15 722**	**12 772**	**8 543**	**16 799**
Labor force	3 367	4 238	3 119	7 799	6 916	4 721	8 783
Percent of female, 16 years and over	52.6	50.0	45.7	49.6	54.1	55.3	52.3
Employed	3 062	4 047	2 876	7 293	6 523	4 341	8 401
Unemployed	305	191	243	506	390	380	378
Percent of civilian labor force	9.1	4.5	7.8	6.5	5.6	8.0	4.3
Employed persons 16 years and over	**7 355**	**9 778**	**7 361**	**17 347**	**15 117**	**10 212**	**19 888**
Managerial and professional specialty occupations	1 807	2 046	1 308	3 706	3 962	2 538	4 724
Professional specialty occupations	1 017	1 304	733	2 270	2 203	1 413	2 991
Technical, sales, and administrative support occupations	1 686	2 260	1 224	4 019	4 357	2 328	5 005
Administrative support occupations, including clerical	854	1 325	623	2 200	2 640	1 319	2 727
Service occupations	1 418	1 232	824	2 272	2 037	1 454	2 363
Farming, forestry, and fishing occupations	444	936	1 195	995	701	600	929
Farm operators and managers	203	485	623	490	290	211	430
Farm occupations, except managerial	130	283	390	326	230	209	204
Related agricultural occupations	29	34	20	62	48	57	129
Precision production, craft, and repair occupations	958	1 458	1 136	2 606	2 108	1 344	3 149
Operators, fabricators, and laborers	1 042	1 846	1 674	3 749	1 952	1 948	3 718
Handlers, equipment cleaners, helpers, and laborers	239	372	269	570	496	396	694
Employed females 16 years and over	**3 062**	**4 047**	**2 876**	**7 293**	**6 523**	**4 341**	**8 401**
Managerial and professional specialty occupations	732	986	577	1 751	1 654	1 117	2 103
Professional specialty occupations	493	713	403	1 313	1 071	747	1 584
Technical, sales, and administrative support occupations	1 083	1 520	785	2 622	2 921	1 615	3 391
Administrative support occupations, including clerical	681	1 055	502	1 755	2 186	1 118	2 274
Service occupations	839	812	576	1 504	1 224	895	1 453
Farming, forestry, and fishing occupations	57	156	177	141	144	81	156
Farm operators and managers	31	88	96	64	50	17	109
Farm occupations, except managerial	23	54	70	49	71	52	36
Related agricultural occupations	3	9	1	16	20	9	9
Precision production, craft, and repair occupations	49	74	148	225	133	106	212
Operators, fabricators, and laborers	302	499	613	1 050	447	527	1 086
Handlers, equipment cleaners, helpers, and laborers	53	74	68	131	99	111	149
Employed persons 16 years and over	**7 355**	**9 778**	**7 361**	**17 347**	**15 117**	**10 212**	**19 888**
Private wage and salary workers	5 116	6 543	4 858	12 599	9 813	7 416	14 623
Government workers	1 296	1 742	1 047	2 660	3 434	1 277	2 794
Self-employed workers	871	1 366	1 275	1 951	1 716	1 403	2 291
Unpaid family workers	72	127	181	137	154	116	180
Male, employed in agriculture	**307**	**673**	**884**	**776**	**437**	**427**	**592**
Wage and salary workers	160	249	308	359	189	229	216
Self-employed workers	143	386	510	395	236	189	338
Unpaid family workers	4	38	66	22	12	9	38
Female, employed in agriculture	**66**	**164**	**185**	**144**	**158**	**123**	**165**
Wage and salary workers	25	50	38	35	54	81	43
Self-employed workers	23	87	96	72	62	20	105
Unpaid family workers	18	27	51	37	42	22	17
INCOME IN 1979							
Households	**5 885**	**7 722**	**6 271**	**13 673**	**11 375**	**8 063**	**15 764**
Less than $5,000	896	996	928	1 599	1 165	998	1 780
$5,000 to $7,499	600	889	746	1 339	1 017	739	1 369
$7,500 to $9,999	614	936	724	1 323	1 131	930	1 441
$10,000 to $14,999	1 168	1 696	1 358	2 491	2 345	1 624	2 956
$15,000 to $19,999	1 150	1 328	1 091	2 460	2 028	1 382	2 741
$20,000 to $24,999	542	797	631	1 833	1 384	931	2 143
$25,000 to $34,999	605	757	463	1 708	1 456	905	2 021
$35,000 to $49,999	174	223	221	628	591	335	832
$50,000 or more	136	100	109	292	258	219	481
Median	$13 238	$12 867	$12 485	$15 148	$15 065	$14 143	$15 542
Mean	$15 713	$15 120	$15 152	$17 187	$17 488	$16 865	$18 220
Families	**4 121**	**5 919**	**4 902**	**10 409**	**8 565**	**5 830**	**11 514**
Median income	$15 766	$14 530	$14 197	$16 964	$16 878	$16 158	$17 805
Mean income	$17 886	$16 580	$16 804	$19 162	$19 230	$18 921	$20 717
Unrelated individuals 15 years and over	**2 974**	**2 995**	**1 895**	**5 338**	**5 427**	**3 305**	**5 687**
Median income	$4 660	$5 385	$5 729	$5 090	$4 976	$6 457	$6 931
Mean income	$6 669	$6 794	$6 811	$7 062	$6 860	$7 858	$8 595
Per capita income	**$5 586**	**$5 245**	**$5 141**	**$5 987**	**$5 911**	**$6 191**	**$6 750**
Households with farm self-employment income	**280**	**599**	**692**	**604**	**381**	**307**	**624**
Mean income	$22 561	$18 317	$21 238	$18 915	$17 693	$21 350	$20 866
Mean farm self-employment income	$10 018	$4 794	$11 475	$5 747	$3 235	$5 511	$2 788
Percent of household income from farm self-employment:							
Less than 25.0 percent	99	188	147	200	130	107	203
25.0 to 49.9 percent	27	75	85	84	38	45	73
50.0 to 74.9 percent	20	122	92	77	52	50	51
75.0 percent or more	89	90	284	122	53	45	97
INCOME IN 1979 BELOW POVERTY LEVEL							
Families	**431**	**637**	**686**	**884**	**748**	**537**	**832**
Percent below poverty level	10.5	10.8	14.0	8.5	8.7	9.2	7.2
Female householder, no husband present	136	174	143	295	238	150	295
Unrelated individuals for whom poverty status is determined	**890**	**717**	**576**	**1 110**	**881**	**815**	**1 562**
Percent below poverty level	35.1	28.8	31.5	25.7	21.9	25.8	27.5
Persons for whom poverty status is determined	**2 387**	**3 002**	**3 148**	**4 223**	**3 544**	**2 615**	**4 348**
Percent below poverty level	14.8	13.7	17.1	11.0	11.0	12.1	10.4
Related children under 18 years	706	1 101	1 277	1 498	1 308	817	1 342
65 years and over	354	377	361	534	390	312	642

Table 190. Social and Industrial Characteristics for the Rural Farm Portion of Counties: 1980

[Data are estimates based on a sample; see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendixes A and B]

The State Counties	The State	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle
RACE AND SPANISH ORIGIN								
Total persons	**18 079**	**2 648**	**347**	**1 276**	**1 228**	**200**	**3 102**	**390**
White	17 996	2 635	347	1 276	1 226	198	3 058	390
Black	4	–	–	–	–	–	–	–
American Indian, Eskimo, and Aleut	61	9	–	–	2	–	43	–
Asian and Pacific Islander	18	4	–	–	–	2	1	–
Spanish origin[1]	65	8	–	–	6	2	–	2
SEX AND AGE								
Total persons	**18 079**	**2 648**	**347**	**1 276**	**1 228**	**200**	**3 102**	**390**
Male	9 608	1 407	185	672	655	93	1 645	182
Female	8 471	1 241	162	604	573	107	1 457	208
Total persons	**18 079**	**2 648**	**347**	**1 276**	**1 228**	**200**	**3 102**	**390**
Under 5 years	1 096	176	17	92	50	14	203	17
5 to 9 years	1 284	201	10	96	113	17	259	41
10 to 14 years	1 973	292	43	127	131	27	407	29
15 to 19 years	2 156	329	42	129	129	20	457	62
20 to 24 years	1 318	202	16	77	104	4	216	32
25 to 29 years	1 224	184	12	55	117	16	196	21
30 to 34 years	1 125	218	10	119	66	11	189	5
35 to 39 years	1 175	152	34	104	65	16	195	27
40 to 44 years	996	134	20	63	79	11	190	24
45 to 49 years	1 131	175	23	69	61	15	184	31
50 to 54 years	1 078	178	34	82	57	13	154	27
55 to 59 years	1 045	125	16	90	59	10	177	29
60 to 64 years	875	124	10	57	85	7	121	7
65 to 69 years	633	47	18	43	51	7	77	13
70 to 74 years	452	53	31	30	28	10	45	9
75 to 79 years	254	18	4	22	19	–	12	6
80 to 84 years	175	26	2	11	10	2	6	7
85 years and over	89	14	5	10	4	–	14	3
Median	30.0	28.4	38.5	32.6	28.7	30.9	25.2	28.3
HOUSEHOLD TYPE AND RELATIONSHIP								
Total persons	**18 079**	**2 648**	**347**	**1 276**	**1 228**	**200**	**3 102**	**390**
In households	**18 079**	**2 648**	**347**	**1 276**	**1 228**	**200**	**3 102**	**390**
Family householder: Male	4 309	628	99	316	269	52	708	89
Female	272	36	12	11	24	–	29	8
Nonfamily householder: Male	414	14	1	43	31	6	21	4
Female	200	23	4	11	36	4	16	2
Spouse	4 136	600	88	314	251	44	666	77
Child	7 468	1 143	121	497	522	73	1 475	167
Other relatives	766	130	12	53	59	19	103	31
Nonrelatives	514	74	10	31	36	2	84	12
Persons per household	3.48	3.78	2.99	3.35	3.41	3.23	4.01	3.79
Persons per family	3.70	3.82	2.99	3.64	3.84	3.62	4.04	3.84
Persons under 18 years	5 828	885	100	405	389	70	1 166	117
Percent living with two parents	91.0	91.4	79.0	97.5	87.4	90.0	92.3	82.9
FERTILITY								
Women 15 to 24 years	**1 533**	**230**	**25**	**87**	**88**	**14**	**287**	**60**
Children ever born	326	70	–	30	6	6	53	8
Per 1,000 women	213	304	–	345	68	429	185	133
Women 25 to 34 years	**1 059**	**183**	**6**	**86**	**75**	**13**	**173**	**13**
Children ever born	1 840	301	6	158	130	14	383	25
Per 1,000 women	1 737	1 645	1 000	1 837	1 733	1 077	2 214	1 923
Women 35 to 44 years	**1 058**	**131**	**31**	**80**	**71**	**12**	**176**	**24**
Children ever born	3 462	413	89	261	270	36	671	64
Per 1,000 women	3 272	3 153	2 871	3 263	3 803	3 000	3 813	2 667
RESIDENCE IN 1975								
Persons 5 years and over	**16 641**	**2 620**	**200**	**1 312**	**1 129**	**158**	**2 735**	**364**
Same house	12 869	2 008	116	861	850	113	2 152	291
Different house in United States	3 747	608	84	451	279	45	583	73
Same county	2 222	453	48	287	144	4	403	17
Different county	1 525	155	36	164	135	41	180	56
Same State	687	62	–	30	105	22	85	18
Different State	838	93	36	134	30	19	95	38
Abroad	25	4	–	–	–	–	–	–
YEARS OF SCHOOL COMPLETED								
Persons 25 years old and over	**10 252**	**1 448**	**219**	**755**	**701**	**118**	**1 560**	**209**
Elementary: 0 to 7 years	674	81	5	28	49	11	231	35
8 years	1 407	193	24	107	80	18	254	26
High school: 1 to 3 years	1 181	158	23	82	48	25	192	17
4 years	3 894	539	89	290	246	36	595	71
College: 1 to 3 years	1 604	255	28	91	133	14	188	38
4 or more years	1 492	222	50	157	145	14	100	22
INDUSTRY								
Employed persons 16 years and over	**8 877**	**1 350**	**193**	**610**	**605**	**87**	**1 393**	**166**
Agriculture	5 414	907	118	326	300	44	1 008	94
Forestry and fisheries	89	14	–	7	4	3	8	–
Mining	11	–	–	–	–	–	–	–
Construction	258	36	2	17	36	6	15	4
Manufacturing	765	81	27	82	85	15	99	9
Transportation	199	13	2	29	4	–	24	12
Communications and other public utilities	34	3	–	5	–	–	–	–
Wholesale trade	122	28	–	4	3	–	8	2
Retail trade	485	63	13	22	30	4	86	11
Finance, insurance, and real estate	149	22	4	5	16	–	13	4
Business and repair services	82	13	2	12	8	–	11	2
Personal services	169	12	6	5	10	4	29	3
Entertainment and recreation services	38	4	2	9	1	–	–	–
Professional and related services	928	135	12	79	106	9	79	16
Health services	265	14	2	16	36	6	21	8
Educational services	510	100	6	35	46	3	51	4
Public administration	134	19	5	8	2	2	13	9

[1]Persons of Spanish origin may be of any race.

Table 190. **Social and Industrial Characteristics for the Rural Farm Portion of Counties: 1980**—Con.

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Counties	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor
RACE AND SPANISH ORIGIN							
Total persons	**650**	**1 480**	**2 228**	**1 582**	**919**	**800**	**1 229**
White	650	1 478	2 222	1 575	917	795	1 229
Black	–	2	2	–	–	–	–
American Indian, Eskimo, and Aleut	–	–	–	5	2	–	–
Asian and Pacific Islander	–	–	4	2	–	5	–
Spanish origin[1]	–	3	7	–	37	–	–
SEX AND AGE							
Total persons	**650**	**1 480**	**2 228**	**1 582**	**919**	**800**	**1 229**
Male	347	801	1 194	823	472	428	704
Female	303	679	1 034	759	447	372	525
Total persons	**650**	**1 480**	**2 228**	**1 582**	**919**	**800**	**1 229**
Under 5 years	33	97	154	84	58	55	46
5 to 9 years	53	79	193	94	36	39	53
10 to 14 years	48	139	261	172	105	93	99
15 to 19 years	89	143	298	163	76	84	135
20 to 24 years	36	117	118	130	106	56	104
25 to 29 years	54	91	159	128	57	42	92
30 to 34 years	31	91	147	96	35	55	52
35 to 39 years	58	96	139	70	80	76	63
40 to 44 years	50	83	107	72	49	44	70
45 to 49 years	38	95	155	110	55	54	66
50 to 54 years	28	77	102	107	77	48	94
55 to 59 years	32	108	135	89	38	42	95
60 to 64 years	21	86	92	83	71	26	85
65 to 69 years	31	43	64	92	41	31	75
70 to 74 years	21	63	37	35	18	27	45
75 to 79 years	16	38	43	32	11	10	23
80 to 84 years	9	25	17	19	4	11	26
85 years and over	2	9	7	6	2	7	6
Median	31.9	34.1	27.8	31.0	33.1	32.8	37.7
HOUSEHOLD TYPE AND RELATIONSHIP							
Total persons	**650**	**1 480**	**2 228**	**1 582**	**919**	**800**	**1 229**
In households	**650**	**1 480**	**2 228**	**1 582**	**919**	**800**	**1 229**
Family householder: Male	159	369	530	386	215	171	318
Female	14	20	24	21	16	23	34
Nonfamily householder: Male	29	42	54	39	20	48	62
Female	12	16	11	23	10	15	17
Spouse	152	350	517	385	222	168	302
Child	248	543	963	676	348	296	396
Other relatives	22	92	78	29	57	26	55
Nonrelatives	14	48	51	23	31	53	45
Persons per household	3.04	3.31	3.60	3.37	3.52	3.11	2.85
Persons per family	3.44	3.53	3.81	3.68	3.71	3.53	3.14
Persons under 18 years	199	424	822	449	261	252	289
Percent living with two parents	96.5	94.6	90.4	95.8	87.4	82.5	83.4
FERTILITY							
Women 15 to 24 years	**70**	**117**	**196**	**108**	**90**	**54**	**107**
Children ever born	12	29	60	14	8	21	9
Per 1,000 women	171	248	306	130	89	389	84
Women 25 to 34 years	**37**	**82**	**136**	**122**	**51**	**31**	**51**
Children ever born	44	154	276	183	58	47	61
Per 1,000 women	1 189	1 878	2 029	1 500	1 137	1 516	1 196
Women 35 to 44 years	**55**	**99**	**118**	**75**	**58**	**71**	**57**
Children ever born	179	299	427	237	153	211	152
Per 1,000 women	3 255	3 020	3 619	3 160	2 638	2 972	2 667
RESIDENCE IN 1975							
Persons 5 years and over	**674**	**1 316**	**2 180**	**1 518**	**714**	**634**	**1 087**
Same house	552	1 133	1 653	1 299	540	452	849
Different house in United States	122	183	510	219	174	178	238
Same county	40	77	240	140	86	143	140
Different county	82	106	270	79	88	35	98
Same State	61	61	145	8	77	–	13
Different State	21	45	125	71	11	35	85
Abroad	–	–	17	–	–	4	–
YEARS OF SCHOOL COMPLETED							
Persons 25 years old and over	**391**	**905**	**1 204**	**939**	**538**	**473**	**792**
Elementary: 0 to 7 years	15	34	92	35	15	10	33
8 years	53	165	232	110	31	38	76
High school: 1 to 3 years	46	87	151	165	38	62	87
4 years	137	375	436	384	258	153	285
College: 1 to 3 years	64	147	147	157	103	85	154
4 or more years	76	97	146	88	93	125	157
INDUSTRY							
Employed persons 16 years and over	**301**	**769**	**964**	**779**	**527**	**423**	**710**
Agriculture	192	479	664	454	286	187	355
Forestry and fisheries	13	7	14	4	9	6	–
Mining	4	–	–	–	7	–	–
Construction	21	18	14	21	5	26	37
Manufacturing	21	35	60	91	42	33	85
Transportation	2	19	37	28	3	16	10
Communications and other public utilities	4	4	2	10	–	1	5
Wholesale trade	2	11	13	10	9	11	21
Retail trade	5	37	25	46	63	29	51
Finance, insurance, and real estate	2	28	11	3	13	9	19
Business and repair services	2	8	8	6	3	3	4
Personal services	6	34	8	6	9	17	20
Entertainment and recreation services	–	–	3	10	2	5	2
Professional and related services	19	83	83	76	65	74	92
Health services	4	27	19	39	19	15	39
Educational services	9	46	51	35	42	44	38
Public administration	8	6	22	14	11	6	9

[1]Persons of Spanish origin may be of any race.

Table 191. **Economic Characteristics for the Rural Farm Portion of Counties: 1980**

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Counties	The State	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle
LABOR FORCE CHARACTERISTICS								
Persons 16 years and over	**13 309**	**1 920**	**274**	**936**	**902**	**137**	**2 159**	**300**
Labor force	9 118	1 372	198	623	625	89	1 428	188
Percent of persons 16 years and over	68.5	71.5	72.3	66.6	69.3	65.0	66.1	62.7
Employed	8 877	1 350	193	610	605	87	1 393	166
Unemployed	241	22	5	13	20	2	35	22
Percent of civilian labor force	2.6	1.6	2.5	2.1	3.2	2.2	2.5	11.7
Female, 16 years and over	**6 174**	**874**	**124**	**450**	**416**	**66**	**984**	**154**
Labor force	3 021	438	78	206	233	28	401	83
Percent of female, 16 years and over	48.9	50.1	62.9	45.8	56.0	42.4	40.8	53.9
Employed	2 898	429	76	200	214	28	383	71
Unemployed	123	9	2	6	19	–	18	12
Percent of civilian labor force	4.1	2.1	2.6	2.9	8.2	–	4.5	14.5
Employed persons 16 years and over	**8 877**	**1 350**	**193**	**610**	**605**	**87**	**1 393**	**166**
Managerial and professional specialty occupations	919	96	35	86	113	8	74	6
Professional specialty occupations	590	70	19	60	73	4	49	2
Technical, sales, and administrative support occupations	1 074	162	29	69	81	18	141	42
Administrative support occupations, including clerical	668	103	14	58	53	7	87	25
Service occupations	452	40	13	23	32	4	65	12
Farming, forestry, and fishing occupations	5 345	914	98	343	294	46	971	92
Farm operators and managers	3 701	606	81	246	173	37	646	65
Farm occupations, except managerial	1 518	286	17	76	113	7	320	27
Related agricultural occupations	50	10	–	–	8	–	2	–
Precision production, craft, and repair occupations	393	54	6	38	32	7	30	2
Operators, fabricators, and laborers	694	84	12	51	53	4	112	12
Handlers, equipment cleaners, helpers, and laborers	149	19	3	5	14	–	21	–
Employed females 16 years and over	**2 898**	**429**	**76**	**200**	**214**	**28**	**383**	**71**
Managerial and professional specialty occupations	472	64	15	35	47	2	52	2
Professional specialty occupations	349	58	13	25	38	2	36	–
Technical, sales, and administrative support occupations	813	128	29	58	70	11	96	35
Administrative support occupations, including clerical	565	84	14	50	50	5	73	23
Service occupations	365	36	7	17	19	4	60	9
Farming, forestry, and fishing occupations	989	155	17	75	53	7	137	20
Farm operators and managers	559	68	9	51	27	7	71	13
Farm occupations, except managerial	413	84	8	23	26	–	66	7
Related agricultural occupations	8	–	–	–	–	–	–	–
Precision production, craft, and repair occupations	26	3	–	–	–	2	2	–
Operators, fabricators, and laborers	233	43	8	15	25	2	36	5
Handlers, equipment cleaners, helpers, and laborers	46	9	3	3	9	–	2	–
Employed persons 16 years and over	**8 877**	**1 350**	**193**	**610**	**605**	**87**	**1 393**	**166**
Private wage and salary workers	3 538	516	67	206	309	34	572	88
Government workers	686	124	13	36	55	6	66	19
Self-employed workers	4 027	606	107	322	191	42	653	59
Unpaid family workers	626	104	6	46	50	5	102	–
Male, employed in agriculture	**4 326**	**741**	**83**	**248**	**245**	**37**	**848**	**72**
Wage and salary workers	1 141	220	21	47	89	4	268	28
Self-employed workers	2 945	493	62	185	127	30	532	44
Unpaid family workers	240	28	–	16	29	3	48	–
Female, employed in agriculture	**1 088**	**166**	**35**	**78**	**55**	**7**	**160**	**22**
Wage and salary workers	167	26	4	8	7	–	32	9
Self-employed workers	582	68	25	47	29	7	77	13
Unpaid family workers	339	72	6	23	19	–	51	–
INCOME IN 1979								
Households	**5 195**	**701**	**116**	**381**	**360**	**62**	**774**	**103**
Less than $5,000	603	70	5	51	43	11	84	8
$5,000 to $7,499	520	61	2	36	30	9	39	18
$7,500 to $9,999	422	40	9	45	22	4	44	1
$10,000 to $14,999	936	103	22	62	51	19	134	17
$15,000 to $19,999	738	120	22	65	43	9	86	20
$20,000 to $24,999	546	79	12	52	23	–	135	4
$25,000 to $34,999	694	113	25	40	69	3	82	22
$35,000 to $49,999	391	61	17	18	27	4	91	4
$50,000 or more	345	54	2	12	52	3	79	9
Median	$15 741	$18 058	$19 667	$14 650	$19 063	$12 692	$20 000	$17 596
Mean	$20 665	$21 921	$23 517	$16 854	$25 313	$15 963	$24 695	$20 580
Families	**4 581**	**664**	**111**	**327**	**293**	**52**	**737**	**97**
Median income	$16 509	$17 837	$19 417	$15 817	$23 125	$13 077	$20 250	$18 173
Mean income	$21 586	$22 018	$23 157	$17 498	$28 186	$17 030	$25 250	$21 065
Unrelated individuals 15 years and over	**1 051**	**107**	**15**	**85**	**99**	**12**	**102**	**15**
Median income	$5 842	$6 357	$9 500	$7 625	$7 417	$6 800	$3 000	$3 750
Mean income	$8 136	$6 680	$12 376	$8 380	$8 798	$10 299	$5 097	$4 224
Per capita income	**$5 929**	**$5 794**	**$7 842**	**$5 009**	**$7 330**	**$4 784**	**$6 155**	**$5 345**
Households with farm self-employment income	**3 741**	**556**	**76**	**258**	**183**	**44**	**591**	**62**
Mean income	$21 586	$23 246	$23 270	$17 727	$26 153	$14 767	$26 163	$20 033
Mean farm self-employment income	$9 095	$11 025	$9 974	$6 922	$7 920	$4 003	$13 476	$6 466
Percent of household income from farm self-employment:								
Less than 25.0 percent	846	103	13	69	45	9	67	18
25.0 to 49.9 percent	538	81	6	42	38	12	104	11
50.0 to 74.9 percent	635	109	20	38	24	4	122	7
75.0 percent or more	1 123	181	23	71	45	11	222	17
INCOME IN 1979 BELOW POVERTY LEVEL								
Families	**745**	**87**	**5**	**75**	**51**	**16**	**113**	**14**
Percent below poverty level	16.3	13.1	4.5	22.9	17.4	30.8	15.3	14.4
Female householder, no husband present	26	3	–	–	–	–	5	–
Unrelated individuals for whom poverty status is determined	**352**	**41**	**4**	**23**	**23**	**2**	**61**	**8**
Percent below poverty level	33.5	38.3	26.7	27.1	23.2	16.7	59.8	53.3
Persons for whom poverty status is determined	**3 335**	**341**	**13**	**308**	**206**	**75**	**565**	**76**
Percent below poverty level	18.5	12.9	3.7	24.1	16.8	37.5	18.3	19.6
Related children under 18 years	1 317	114	–	112	65	38	265	34
65 years and over	221	26	2	17	16	3	30	–

Table 191. **Economic Characteristics for the Rural Farm Portion of Counties: 1980**—Con.

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Counties	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor
LABOR FORCE CHARACTERISTICS							
Persons 16 years and over	**492**	**1 140**	**1 557**	**1 193**	**700**	**598**	**1 001**
Labor force	306	784	992	805	535	437	736
Percent of persons 16 years and over	62.2	68.8	63.7	67.5	76.4	73.1	73.5
Employed	301	769	964	779	527	423	710
Unemployed	5	15	28	26	8	14	26
Percent of civilian labor force	1.6	1.9	2.8	3.2	1.5	3.2	3.5
Female, 16 years and over	**243**	**537**	**716**	**563**	**338**	**263**	**446**
Labor force	88	266	308	269	204	161	258
Percent of female, 16 years and over	36.2	49.5	43.0	47.8	60.4	61.2	57.8
Employed	87	257	285	254	198	158	258
Unemployed	1	9	23	15	6	3	–
Percent of civilian labor force	1.1	3.4	7.5	5.6	2.9	1.9	–
Employed persons 16 years and over	**301**	**769**	**964**	**779**	**527**	**423**	**710**
Managerial and professional specialty occupations	36	51	84	75	83	76	96
Professional specialty occupations	15	28	45	50	54	49	72
Technical, sales, and administrative support occupations	24	104	65	99	72	77	91
Administrative support occupations, including clerical	19	61	39	73	19	64	46
Service occupations	8	62	40	39	36	32	46
Farming, forestry, and fishing occupations	182	481	660	448	285	181	350
Farm operators and managers	151	348	461	320	200	108	259
Farm occupations, except managerial	24	116	183	118	84	67	80
Related agricultural occupations	1	9	2	8	–	3	7
Precision production, craft, and repair occupations	21	34	31	46	26	14	52
Operators, fabricators, and laborers	30	37	84	72	25	43	75
Handlers, equipment cleaners, helpers, and laborers	5	4	16	15	6	9	32
Employed females 16 years and over	**87**	**257**	**285**	**254**	**198**	**158**	**258**
Managerial and professional specialty occupations	20	23	31	52	47	34	48
Professional specialty occupations	9	15	26	34	36	20	37
Technical, sales, and administrative support occupations	17	73	53	72	47	61	63
Administrative support occupations, including clerical	15	45	36	56	17	58	39
Service occupations	8	53	38	32	24	25	33
Farming, forestry, and fishing occupations	36	96	126	75	73	31	88
Farm operators and managers	23	66	71	38	36	13	66
Farm occupations, except managerial	12	28	52	34	37	18	18
Related agricultural occupations	1	2	–	3	–	–	2
Precision production, craft, and repair occupations	2	–	7	2	3	–	5
Operators, fabricators, and laborers	4	12	30	21	4	7	21
Handlers, equipment cleaners, helpers, and laborers	–	2	2	9	1	–	6
Employed persons 16 years and over	**301**	**769**	**964**	**779**	**527**	**423**	**710**
Private wage and salary workers	122	294	284	309	216	199	322
Government workers	15	59	78	73	33	53	56
Self-employed workers	155	369	498	347	246	144	288
Unpaid family workers	9	47	104	50	32	27	44
Male, employed in agriculture	**145**	**380**	**528**	**371**	**211**	**150**	**267**
Wage and salary workers	35	84	100	81	52	52	60
Self-employed workers	110	273	380	277	156	94	182
Unpaid family workers	–	23	48	13	3	4	25
Female, employed in agriculture	**47**	**99**	**136**	**83**	**75**	**37**	**88**
Wage and salary workers	15	12	20	6	13	4	11
Self-employed workers	23	63	71	42	38	13	66
Unpaid family workers	9	24	45	35	24	20	11
INCOME IN 1979							
Households	**214**	**447**	**619**	**469**	**261**	**257**	**431**
Less than $5,000	25	55	92	63	27	37	32
$5,000 to $7,499	23	67	110	43	17	19	46
$7,500 to $9,999	19	56	57	22	26	15	62
$10,000 to $14,999	53	94	102	84	63	43	89
$15,000 to $19,999	25	62	95	83	31	25	52
$20,000 to $24,999	24	28	44	54	35	27	29
$25,000 to $34,999	24	55	44	59	38	52	68
$35,000 to $49,999	11	15	47	42	13	16	25
$50,000 or more	10	15	28	19	11	23	28
Median	$13 194	$12 068	$12 988	$16 372	$14 836	$17 417	$14 311
Mean	$17 316	$16 583	$19 026	$19 667	$18 808	$22 557	$20 139
Families	**173**	**389**	**554**	**407**	**231**	**194**	**352**
Median income	$12 604	$12 872	$13 308	$16 809	$15 859	$21 875	$15 313
Mean income	$17 790	$17 377	$19 709	$20 482	$19 263	$26 016	$21 556
Unrelated individuals 15 years and over	**55**	**104**	**107**	**83**	**59**	**89**	**119**
Median income	$7 536	$4 833	$5 083	$5 409	$7 389	$5 875	$7 100
Mean income	$11 529	$6 226	$8 165	$10 505	$7 683	$8 562	$9 390
Per capita income	**$5 572**	**$5 060**	**$5 280**	**$5 913**	**$5 438**	**$7 188**	**$7 015**
Households with farm self-employment income	**143**	**344**	**484**	**345**	**205**	**137**	**313**
Mean income	$19 697	$17 212	$20 058	$21 788	$16 588	$24 762	$21 051
Mean farm self-employment income	$10 901	$5 707	$12 051	$7 809	$5 448	$9 154	$3 007
Percent of household income from farm self-employment:							
Less than 25.0 percent	37	82	88	113	56	43	103
25.0 to 49.9 percent	18	47	43	66	22	21	27
50.0 to 74.9 percent	12	83	73	50	41	26	26
75.0 percent or more	66	64	221	72	42	30	58
INCOME IN 1979 BELOW POVERTY LEVEL							
Families	**24**	**64**	**142**	**54**	**47**	**19**	**34**
Percent below poverty level	13.9	16.5	25.6	13.3	20.3	9.8	9.7
Female householder, no husband present	4	4	6	–	–	2	2
Unrelated individuals for whom poverty status is determined	**13**	**43**	**42**	**23**	**14**	**29**	**26**
Percent below poverty level	23.6	41.3	39.3	27.7	23.7	32.6	21.8
Persons for whom poverty status is determined	**88**	**302**	**646**	**244**	**237**	**108**	**126**
Percent below poverty level	13.5	20.4	29.1	15.4	25.8	14.0	10.3
Related children under 18 years	23	123	296	84	103	35	25
65 years and over	29	15	12	29	13	8	21

Table 192. **Social Characteristics for American Indian Persons on Reservations: 1980**

Table 193. **Economic Characteristics for American Indian Persons on Reservations: 1980**

(The above table(s) were omitted because there were no qualifying areas)

Table C-1. **Percent of Allocation: 1980**

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Urban and Rural and Size of Place Inside and Outside SMSA's	The State	Urban						Rural				
			Inside urbanized areas			Outside urbanized areas						
		Total	Total	Central cities	Urban fringe	Places of 10,000 or more	Places of 2,500 to 10,000	Total	Places of 1,000 to 2,500	Rural farm	Inside SMSA's	Outside SMSA's
Total persons (number)	**511 456**	**172 851**	**76 656**	**37 712**	**38 944**	**18 436**	**77 759**	**338 605**	**47 727**	**18 079**	**114 018**	**397 438**
Persons with two or more sample characteristics reported (number)	509 589	172 174	76 307	37 558	38 749	18 394	77 473	337 415	47 439	18 057	113 455	396 134
Percent of total	99.6	99.6	99.5	99.6	99.5	99.8	99.6	99.6	99.4	99.9	99.5	99.7
Persons with one or more allocations (number)	200 241	68 062	28 937	14 285	14 652	8 129	30 996	132 179	18 823	7 208	42 861	157 380
Percent of total	39.2	39.4	37.7	37.9	37.6	44.1	39.9	39.0	39.4	39.9	37.6	39.6
Total persons (number)	**511 456**	**172 851**	**76 656**	**37 712**	**38 944**	**18 436**	**77 759**	**338 605**	**47 727**	**18 079**	**114 018**	**397 438**
Relationship	0.6	0.5	0.4	0.5	0.4	0.7	0.6	0.6	0.6	0.7	0.5	0.6
Sex	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.6	0.6	0.7	0.5	0.5
Age	1.2	1.2	1.2	1.3	1.0	1.8	1.0	1.2	0.9	0.8	1.2	1.2
Race	1.3	1.3	1.3	1.7	0.9	1.8	1.3	1.3	1.1	1.2	1.2	1.3
Origin	2.0	2.1	2.1	1.9	2.3	1.7	2.1	2.0	1.9	1.8	2.2	1.9
Place of birth	3.5	3.7	3.8	4.6	3.1	4.2	3.4	3.5	3.7	2.6	3.8	3.4
Persons in rural areas (number)	**338 605**	–	–	–	–	–	–	**338 605**	**47 727**	**18 079**	**37 362**	**301 243**
Farm residence	8.2	–	–	–	–	–	–	8.2	4.3	5.9	7.6	8.3
Persons in households (number)	**490 464**	**160 486**	**69 297**	**32 043**	**37 254**	**17 644**	**73 545**	**329 978**	**45 081**	**18 079**	**106 537**	**383 927**
Relationship	0.6	0.6	0.5	0.6	0.4	0.7	0.6	0.6	0.6	0.7	0.5	0.6
Persons in group quarters (number)	**20 992**	**12 365**	**7 359**	**5 669**	**1 690**	**792**	**4 214**	**8 627**	**2 646**	–	**7 481**	**13 511**
Type of group quarters	8.7	8.8	4.2	5.0	1.5	29.2	13.1	8.6	9.3	–	4.7	10.9
Foreign born persons (number)	**20 995**	**8 639**	**3 816**	**1 725**	**2 091**	**577**	**4 246**	**12 356**	**1 780**	**798**	**4 900**	**16 095**
Citizenship	5.0	5.4	7.5	13.3	2.7	6.4	3.3	4.7	5.0	3.1	6.6	4.5
Year of immigration	7.1	8.1	11.2	16.2	7.2	6.6	5.4	6.5	6.6	3.4	9.5	6.4
Persons 5 years and over (number)	**475 452**	**162 415**	**72 360**	**35 861**	**36 499**	**17 301**	**72 754**	**313 037**	**44 399**	**16 983**	**106 643**	**368 809**
Language spoken at home	7.4	7.2	6.4	7.5	5.3	10.0	7.4	7.5	7.2	5.8	6.6	7.6
Persons who speak a language other than English at home (number)	31 378	13 698	6 197	2 754	3 443	1 023	6 478	17 680	2 610	1 795	8 101	23 277
Language	13.2	11.5	10.5	9.9	11.0	19.4	11.3	14.5	11.8	10.0	11.3	13.9
Ability to speak English	9.1	9.4	8.1	8.7	7.7	14.5	9.8	8.8	8.4	7.2	8.3	9.3
Residence in 1975	6.0	6.2	6.7	7.5	5.9	5.7	5.8	5.9	6.7	4.3	6.4	5.9
Persons 21 years and over (number)	**333 133**	**114 161**	**48 539**	**23 968**	**24 571**	**12 860**	**52 762**	**218 972**	**31 203**	**11 291**	**71 498**	**261 635**
Armed Forces status in 1975	4.2	4.1	4.3	4.8	3.9	4.4	3.8	4.3	4.6	3.5	4.6	4.1
College attendance in 1975	4.8	4.7	4.8	4.8	4.8	5.1	4.5	4.9	5.2	4.1	5.1	4.7
Work status in 1975	4.2	4.1	4.5	5.2	3.9	4.7	3.7	4.2	4.5	3.3	4.7	4.0
Women 15 years and over (number)	**205 738**	**75 610**	**33 114**	**17 750**	**15 364**	**8 236**	**34 260**	**130 128**	**20 113**	**6 337**	**46 568**	**159 170**
Children ever born	4.7	4.8	4.4	4.9	3.9	6.4	4.7	4.7	5.0	4.1	4.6	4.8
Women 15 to 44 years (number)	**122 949**	**44 154**	**22 323**	**11 977**	**10 346**	**4 125**	**17 706**	**78 795**	**11 042**	**3 650**	**31 889**	**91 060**
Children ever born	4.4	4.1	3.9	3.8	4.0	4.7	4.3	4.6	4.6	4.4	4.1	4.5
Ever-married persons 15 to 54 years (number)	**187 742**	**57 167**	**25 348**	**10 240**	**15 108**	**6 166**	**25 653**	**130 575**	**16 575**	**6 345**	**41 386**	**146 356**
Times married	4.2	4.3	4.3	4.2	4.3	3.5	4.5	4.1	4.1	3.7	4.4	4.1
Date of first marriage	7.4	8.0	7.8	8.3	7.5	8.3	8.0	7.2	7.0	5.7	7.8	7.4
Persons 15 to 54 years whose first marriage ended in widowhood or divorce (number)	**40 361**	**13 162**	**5 240**	**2 583**	**2 657**	**1 535**	**6 387**	**27 199**	**3 731**	**834**	**8 026**	**32 335**
Whether widowed or divorced after first marriage	5.0	4.7	4.8	4.7	4.9	2.5	5.1	5.1	6.0	4.0	4.2	5.2
Persons 3 years old and over (number)	**489 585**	**166 445**	**73 975**	**36 509**	**37 466**	**17 737**	**74 733**	**323 140**	**45 695**	**17 428**	**109 424**	**380 161**
School enrollment	3.0	3.1	3.2	3.1	3.3	3.0	3.0	3.0	3.2	3.0	3.4	2.9
Persons 3 years old and over enrolled in school (number)	**143 914**	**51 883**	**27 671**	**14 549**	**13 122**	**4 291**	**19 921**	**92 031**	**13 060**	**5 239**	**38 861**	**105 053**
Year of school	3.7	3.5	3.1	2.8	3.5	5.2	3.6	3.9	3.2	4.0	3.6	3.8
Persons 3 to 34 years old (number)	**281 717**	**95 669**	**47 106**	**23 918**	**23 188**	**9 179**	**39 384**	**186 048**	**25 130**	**9 525**	**69 802**	**211 915**
School enrollment	3.3	3.3	3.3	2.9	3.7	4.2	3.1	3.3	3.1	3.4	3.5	3.2
Persons 25 years old and over (number)	**295 051**	**97 964**	**39 549**	**18 578**	**20 971**	**11 479**	**46 936**	**197 087**	**27 657**	**10 252**	**60 085**	**234 966**
Highest year of school attended	2.4	2.9	2.8	3.6	2.2	4.6	2.5	2.2	2.8	1.0	2.8	2.4
Finished highest year	8.0	9.0	9.1	10.0	8.3	8.6	8.9	7.5	9.4	5.2	8.5	7.9
Persons 15 years and over (number)	**394 970**	**138 823**	**62 168**	**31 981**	**30 187**	**14 794**	**61 861**	**256 147**	**37 190**	**13 726**	**89 107**	**305 863**
Marital status	0.6	0.6	0.7	0.8	0.6	0.4	0.4	0.6	0.4	0.4	0.7	0.5
Income in 1979	10.6	10.7	10.6	9.6	11.6	13.1	10.4	10.5	10.4	11.8	10.8	10.5
Persons with income in 1979 allocated (number)	**41 484**	**14 896**	**6 559**	**3 063**	**3 496**	**1 936**	**6 401**	**26 588**	**3 851**	**1 587**	**9 606**	**31 878**
Percent of income allocated:												
None	15.1	13.5	12.6	12.3	12.9	10.7	15.3	16.1	17.2	15.7	14.2	15.4
0.1 to 9.9 percent	2.0	1.9	1.3	0.8	1.7	0.9	3.0	2.0	2.0	3.6	1.3	2.2
10.0 to 24.9 percent	1.5	1.2	1.4	1.1	1.6	0.9	1.2	1.7	2.6	2.8	1.2	1.6
25.0 to 49.9 percent	2.3	2.3	1.6	1.0	2.2	2.1	3.1	2.3	2.8	2.3	1.5	2.5
50.0 to 99.9 percent	4.8	4.7	4.1	4.1	4.2	4.9	5.2	4.8	5.3	7.9	4.0	5.0
100 percent	74.3	76.3	79.0	80.8	77.5	80.5	72.2	73.1	70.1	67.7	77.7	73.2
Persons 16 years and over (number)	**385 440**	**135 644**	**60 821**	**31 390**	**29 431**	**14 503**	**60 320**	**249 796**	**36 368**	**13 309**	**87 014**	**298 426**
Labor force status	2.7	2.8	3.2	3.4	3.0	2.8	2.3	2.6	2.4	2.4	3.1	2.6
Work status in 1979	3.8	4.0	4.6	4.4	4.8	4.3	3.4	3.6	3.6	2.8	4.5	3.5
Unemployment in 1979	13.8	13.9	13.9	13.1	14.8	14.0	13.9	13.7	13.6	13.0	13.8	13.8
Veteran status	3.6	3.4	3.5	3.7	3.3	3.5	3.3	3.6	3.9	2.8	3.7	3.5
Male	3.6	3.5	3.3	4.0	2.7	3.3	3.6	3.6	3.8	2.9	3.6	3.6
Female	3.5	3.4	3.6	3.5	3.8	3.7	3.1	3.6	4.0	2.6	3.7	3.5
Persons 16 years and over, at work (number)	**221 179**	**76 913**	**35 318**	**16 766**	**18 552**	**8 315**	**33 280**	**144 266**	**19 724**	**8 756**	**52 390**	**168 789**
Hours worked	5.4	5.6	5.6	5.0	6.2	7.0	5.3	5.3	4.9	5.5	5.6	5.4
Workers 16 years and over (number)	**221 442**	**77 026**	**35 411**	**16 809**	**18 602**	**8 315**	**33 300**	**144 416**	**19 755**	**8 756**	**52 492**	**168 950**
Means of transportation to work	4.3	4.2	4.2	4.2	4.2	5.3	3.8	4.4	4.0	6.2	4.4	4.3
Carpooling arrangements	4.5	4.4	4.6	3.9	5.2	6.3	3.6	4.5	4.3	10.8	4.7	4.4
Private vehicle occupancy	6.1	6.4	6.1	6.0	6.2	9.6	5.8	5.9	5.4	16.1	5.9	6.2
Travel time to work	8.0	6.6	6.7	6.3	7.1	6.1	6.5	8.8	7.4	22.2	7.4	8.2

Table C-1. **Percent of Allocation: 1980**—Con.

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Urban and Rural and Size of Place Inside and Outside SMSA's	The State	Urban						Rural				
			Inside urbanized areas			Outside urbanized areas						
		Total	Total	Central cities	Urban fringe	Places of 10,000 or more	Places of 2,500 to 10,000	Total	Places of 1,000 to 2,500	Rural farm	Inside SMSA's	Outside SMSA's
Employed persons 16 years and over (number)	**227 195**	**79 024**	**36 382**	**17 456**	**18 926**	**8 525**	**34 117**	**148 171**	**20 179**	**8 877**	**53 797**	**173 398**
Industry	4.7	5.1	5.4	4.8	5.9	5.7	4.8	4.4	4.2	3.7	5.2	4.5
Occupation	4.6	5.2	5.6	4.6	6.5	6.0	4.6	4.3	4.2	3.4	5.3	4.4
Class of worker	4.9	5.3	5.5	4.7	6.3	5.6	4.9	4.6	4.3	3.8	5.4	4.7
Noninstitutional persons 16 to 64 years (number)	**325 524**	**113 034**	**53 919**	**27 239**	**26 680**	**11 334**	**47 781**	**212 490**	**29 021**	**11 706**	**77 981**	**247 543**
Work disability status	3.3	3.3	3.5	4.0	3.1	3.5	2.9	3.3	3.2	2.5	3.7	3.2
Work prevention	1.4	1.4	1.5	1.9	1.0	1.2	1.3	1.4	1.3	0.9	1.5	1.3
Public transportation disability status	7.4	7.1	6.5	6.9	6.1	8.6	7.4	7.5	7.6	6.5	6.9	7.5
Noninstitutional persons 65 years and over (number)	**54 142**	**19 861**	**6 184**	**3 653**	**2 531**	**2 581**	**11 096**	**34 281**	**6 422**	**1 603**	**8 256**	**45 886**
Public transportation disability status	18.8	17.6	18.2	17.8	18.6	17.9	17.2	19.5	19.1	18.5	18.7	18.8
Persons 16 years and over, worked in 1979 (number)	**272 940**	**96 650**	**46 339**	**23 796**	**22 543**	**9 806**	**40 505**	**176 290**	**24 419**	**9 946**	**66 107**	**206 833**
Weeks worked	7.8	7.9	8.2	7.8	8.7	8.5	7.3	7.7	6.9	8.4	8.1	7.6
Usual hours worked per week	8.2	8.2	8.5	8.2	8.8	8.7	7.8	8.2	7.5	9.7	8.6	8.1
Households (number)	**178 394**	**62 700**	**26 051**	**13 074**	**12 977**	**7 009**	**29 640**	**115 694**	**16 960**	**5 195**	**37 980**	**140 414**
Income in 1979	**15.7**	**15.5**	**16.1**	**13.8**	**18.4**	**16.5**	**14.7**	**15.8**	**14.4**	**23.0**	**16.4**	**15.5**
Wage or salary income	10.9	11.0	12.2	10.2	14.2	11.8	9.7	10.9	9.2	18.2	12.4	10.5
Nonfarm self-employment income	8.9	8.9	9.8	8.4	11.3	10.7	7.8	8.9	7.1	10.8	10.1	8.6
Farm self-employment income	11.6	11.5	12.6	10.6	14.6	12.6	10.2	11.6	9.8	18.0	12.9	11.2
Interest, dividend, or net rental income	10.9	11.0	11.6	9.5	13.6	12.0	10.2	10.9	9.5	12.9	11.9	10.7
Social Security income	11.3	11.6	12.1	10.3	13.8	13.2	10.7	11.1	9.8	12.8	12.2	11.0
Public assistance income	11.7	11.9	12.2	10.4	14.0	13.3	11.3	11.6	10.3	13.1	12.4	11.5
All other income	11.6	11.8	12.3	10.5	14.0	13.0	11.2	11.5	10.1	13.1	12.4	11.4
Households with income in 1979 allocated (number)	**27 677**	**9 666**	**4 175**	**1 798**	**2 377**	**1 155**	**4 336**	**18 011**	**2 401**	**1 139**	**6 214**	**21 463**
Percent of income allocated:												
None	12.6	10.8	10.1	9.0	10.9	7.6	12.4	13.6	13.7	12.6	11.9	12.8
0.1 to 9.9 percent	9.2	8.7	8.6	7.2	9.5	4.4	10.1	9.4	10.0	20.0	8.6	9.3
10.0 to 24.9 percent	9.3	8.9	8.1	8.3	7.9	8.9	9.8	9.5	9.9	14.7	7.6	9.8
25.0 to 49.9 percent	11.2	11.6	12.1	11.4	12.7	11.3	11.1	11.0	10.5	11.3	11.8	11.0
50.0 to 99.9 percent	16.1	16.5	18.4	21.6	16.0	16.8	14.5	15.9	17.0	19.8	16.8	15.9
100 percent	41.6	43.4	42.8	42.4	43.0	50.9	42.1	40.7	38.9	21.4	43.2	41.2
Families (number)	**129 036**	**40 969**	**16 857**	**7 187**	**9 670**	**4 711**	**19 401**	**88 067**	**11 819**	**4 581**	**26 477**	**102 559**
Income in 1979 (allocations in one or more parts)	15.5	15.3	16.1	13.0	18.4	14.9	14.7	15.5	14.3	22.9	16.3	15.3
Unrelated individuals 15 years and over (number)	**82 048**	**38 671**	**20 289**	**13 995**	**6 294**	**3 065**	**15 317**	**43 377**	**8 276**	**1 051**	**23 922**	**58 126**
Income in 1979 (allocations in one or more parts)	12.8	11.8	10.8	9.2	14.4	16.1	12.4	13.6	12.0	17.5	11.8	13.2

Table C-2. **Characteristics Before and After Allocation: 1980**

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State	Number		Percent distribution	
	After allocation	Before allocation	After allocation	Before allocation
SEX				
Total persons	**511 456**	**508 722**	**100.0**	**100.0**
Male	249 117	247 896	48.7	48.7
Female	262 339	260 826	51.3	51.3
RACE				
Total persons	**511 456**	**504 688**	**100.0**	**100.0**
White	507 052	500 341	99.1	99.1
Black	1 188	1 177	0.2	0.2
American Indian, Eskimo, and Aleut	1 068	1 066	0.2	0.2
Asian and Pacific Islander	1 640	1 601	0.3	0.3
Race, n.e.c.	508	503	0.1	0.1
ORIGIN				
Total persons	**511 456**	**501 274**	**100.0**	**100.0**
Spanish origin	3 377	3 322	0.7	0.7
Mexican	516	514	0.1	0.1
Puerto Rican	436	429	0.1	0.1
Cuban	132	123	–	–
Other Spanish	2 293	2 256	0.4	0.5
Not of Spanish origin	508 079	497 952	99.3	99.3
AGE				
Total persons	**511 456**	**505 457**	**100.0**	**100.0**
Under 5 years	36 004	35 718	7.0	7.1
5 to 9 years	37 710	37 286	7.4	7.4
10 to 14 years	42 772	42 475	8.4	8.4
15 to 19 years	51 327	51 000	10.0	10.1
20 to 24 years	48 592	47 818	9.5	9.5
25 to 29 years	44 361	43 708	8.7	8.6
30 to 34 years	42 822	42 222	8.4	8.4
35 to 39 years	31 989	31 641	6.3	6.3
40 to 44 years	25 382	25 069	5.0	5.0
45 to 49 years	23 963	23 707	4.7	4.7
50 to 54 years	23 769	23 527	4.6	4.7
55 to 59 years	23 896	23 608	4.7	4.7
60 to 64 years	20 717	20 477	4.1	4.1
65 to 69 years	18 471	18 217	3.6	3.6
70 to 74 years	15 037	14 877	2.9	2.9
75 to 79 years	11 610	11 409	2.3	2.3
80 to 84 years	6 944	6 777	1.4	1.3
85 years and over	6 090	5 921	1.2	1.2
HOUSEHOLD TYPE AND RELATIONSHIP				
Total persons	**511 456**	**508 486**	**100.0**	**100.0**
In households	**490 464**	**487 600**	**95.9**	**95.9**
Family householder	129 036	128 858	25.2	25.3
Nonfamily householder	49 358	49 211	9.7	9.7
Spouse	109 042	108 614	21.3	21.4
Child	169 213	168 079	33.1	33.1
Other relatives	14 177	13 502	2.8	2.7
Nonrelatives	19 638	19 336	3.8	3.8
In group quarters	**20 992**	**20 886**	**4.1**	**4.1**
FARM RESIDENCE				
Persons in rural areas	**338 605**	**310 707**	**100.0**	**100.0**
Farm	18 079	17 017	5.3	5.5
Nonfarm	320 526	293 690	94.7	94.5
FERTILITY				
Women 15 to 44 years	**122 949**	**117 521**	**100.0**	**100.0**
No children ever born	59 852	55 998	48.7	47.6
1 child	16 136	15 591	13.1	13.3
2 children	22 984	22 547	18.7	19.2
3 children	13 050	12 783	10.6	10.9
4 children	6 335	6 188	5.2	5.3
5 children	2 722	2 641	2.2	2.2
6 children	1 075	1 039	0.9	0.9
7 or more children	795	734	0.6	0.6
NATIVITY AND CITIZENSHIP				
Total persons	**511 456**	**492 972**	**100.0**	**100.0**
Native	490 461	473 493	95.9	96.0
Foreign born	20 995	19 479	4.1	4.0
Naturalized citizen	13 878	12 749	2.7	2.6
Not a citizen	7 117	6 730	1.4	1.4
LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH				
Persons 5 years and over	**475 452**	**440 320**	**100.0**	**100.0**
Speak only English at home	444 074	410 293	93.4	93.2
Speak a language other than English at home	31 378	30 027	6.6	6.8
Speak English very well	22 105	18 299	4.6	4.2
Speak English well	7 141	6 194	1.5	1.4
Speak English not well or not at all	2 132	1 974	0.4	0.4

The State	Number		Percent distribution	
	After allocation	Before allocation	After allocation	Before allocation
NATIVITY AND PLACE OF BIRTH				
Total persons	**511 456**	**493 397**	**100.0**	**100.0**
Native	490 461	473 541	95.9	96.0
Born in State of residence	314 769	303 742	61.5	61.6
Born in different State	172 688	166 923	33.8	33.8
Northeast	137 746	133 190	26.9	27.0
North Central	14 528	13 980	2.8	2.8
South	13 138	12 730	2.6	2.6
West	7 276	7 023	1.4	1.4
Born abroad, at sea, etc.	3 004	2 876	0.6	0.6
Foreign born	20 995	19 856	4.1	4.0
RESIDENCE IN 1975				
Persons 5 years and over	**475 629**	**447 062**	**100.0**	**100.0**
Same house	258 894	249 560	54.4	55.8
Different house in United States	212 550	193 535	44.7	43.3
Same county	113 580	103 418	23.9	23.1
Different county	98 970	90 117	20.8	20.2
Same State	30 915	28 368	6.5	6.3
Different State	68 055	61 749	14.3	13.8
Northeast	49 367	44 542	10.4	10.0
North Central	4 814	4 467	1.0	1.0
South	8 806	8 068	1.9	1.8
West	5 068	4 672	1.1	1.0
Abroad	4 185	3 967	0.9	0.9
ACTIVITY IN 1975				
Persons 21 years and over	**333 133**	**319 075**	**100.0**	**100.0**
In Armed Forces in 1975	2 869	2 695	0.9	0.8
Not in Armed Forces in 1975	330 264	316 380	99.1	99.2
Persons 21 years and over	**333 133**	**317 096**	**100.0**	**100.0**
Attending college in 1975	20 178	19 025	6.1	6.0
Not attending college in 1975	312 955	298 071	93.9	94.0
MEANS OF TRANSPORTATION TO WORK				
Workers 16 years and over	**221 442**	**211 849**	**100.0**	**100.0**
Private vehicle	178 962	171 147	80.8	80.8
Drive alone	123 775	118 574	55.9	56.0
Carpool	55 187	52 573	24.9	24.8
Public transportation	3 143	2 995	1.4	1.4
Bus or streetcar	2 429	2 306	1.1	1.1
Subway or elevated train	35	33	–	–
Railroad	37	35	–	–
Taxicab	642	621	0.3	0.3
Bicycle	786	742	0.4	0.4
Motorcycle	528	497	0.2	0.2
Walked only	24 842	23 848	11.2	11.3
Other means	2 007	1 903	0.9	0.9
Worked at home	11 174	10 717	5.0	5.1
TRAVEL TIME TO WORK				
Workers 16 years and over who did not work at home	**211 060**	**194 159**	**100.0**	**100.0**
Less than 10 minutes	57 123	52 387	27.1	27.0
10 to 19 minutes	76 535	70 717	36.3	36.4
20 to 29 minutes	37 195	34 172	17.6	17.6
30 to 44 minutes	26 626	24 453	12.6	12.6
45 or more minutes	13 581	12 430	6.4	6.4
SCHOOL ENROLLMENT				
Persons 3 years old and over enrolled in school	**143 914**	**138 556**	**100.0**	**100.0**
Nursery school	4 859	4 000	3.4	2.9
Kindergarten	6 423	5 980	4.5	4.3
Elementary (1 to 8 years)	66 678	64 369	46.3	46.5
High school (1 to 4 years)	36 251	35 061	25.2	25.3
College	29 703	29 146	20.6	21.0
YEARS OF SCHOOL COMPLETED				
Persons 25 years old and over	**295 051**	**270 905**	**100.0**	**100.0**
Elementary: 0 to 4 years	3 736	3 246	1.3	1.2
5 to 7 years	13 792	12 220	4.7	4.5
8 years	31 827	29 000	10.8	10.7
High school: 1 to 3 years	36 154	32 518	12.3	12.0
4 years	107 297	100 076	36.4	36.9
College: 1 to 3 years	46 061	41 394	15.6	15.3
4 years	31 977	30 187	10.8	11.1
5 or more years	24 207	22 264	8.2	8.2
LABOR FORCE STATUS				
Persons 16 years and over	**385 440**	**375 088**	**100.0**	**100.0**
Labor force	242 730	237 055	63.0	63.2
Armed Forces	274	274	0.1	0.1
Civilian labor force	242 456	236 781	62.9	63.1
Employed	227 195	221 924	58.9	59.2
Unemployed	15 261	14 857	4.0	4.0
Not in labor force	142 710	138 033	37.0	36.8

Table C-2. **Characteristics Before and After Allocation: 1980**—Con.

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State	Number		Percent distribution	
	After allocation	Before allocation	After allocation	Before allocation
CLASS OF WORKER				
Employed persons 16 years and over	**227 195**	**216 154**	**100.0**	**100.0**
Private wage and salary workers	166 959	158 507	73.5	73.3
Government workers	35 425	33 816	15.6	15.6
Self-employed workers	22 640	21 791	10.0	10.1
Unpaid family workers	2 171	2 040	1.0	0.9
OCCUPATION				
Employed persons 16 years and over	**227 195**	**216 686**	**100.0**	**100.0**
Managerial and professional specialty occupations	54 838	52 712	24.1	24.3
Executive, administrative, and managerial occupations	22 425	21 489	9.9	9.9
Professional specialty occupations	32 413	31 223	14.3	14.4
Technical, sales, and administrative support occupations	60 674	58 012	26.7	26.8
Technicians and related support occupations	7 329	7 068	3.2	3.3
Sales occupations	20 019	19 008	8.8	8.8
Administrative support occupations, including clerical	33 326	31 936	14.7	14.7
Service occupations	30 554	28 972	13.4	13.4
Private household occupations	1 832	1 729	0.8	0.8
Protective service occupations	2 441	2 338	1.1	1.1
Service occupations, except protective and household	26 281	24 905	11.6	11.5
Farming, forestry, and fishing occupations	11 819	11 330	5.2	5.2
Precision production, craft, and repair occupations	29 325	27 853	12.9	12.9
Operators, fabricators, and laborers	39 985	37 807	17.6	17.4
Machine operators, assemblers, and inspectors	23 306	22 016	10.3	10.2
Transportation and material moving occupations	8 833	8 431	3.9	3.9
Handlers, equipment cleaners, helpers, and laborers	7 846	7 360	3.5	3.4
INDUSTRY				
Employed persons 16 years and over	**227 195**	**216 592**	**100.0**	**100.0**
Agriculture	10 711	10 246	4.7	4.7
Forestry and fisheries	595	566	0.3	0.3
Mining	793	763	0.3	0.4
Construction	13 832	13 158	6.1	6.1
Manufacturing	54 201	51 731	23.9	23.9
Nondurable goods	15 234	14 398	6.7	6.6
Durable goods	38 967	37 333	17.2	17.2
Transportation, communications, and other public utilities	12 344	11 736	5.4	5.4
Wholesale trade	7 018	6 670	3.1	3.1
Retail trade	35 555	33 846	15.6	15.6
Finance, insurance, and real estate	10 211	9 705	4.5	4.5
Services	71 790	68 467	31.6	31.6
Business services	3 373	3 163	1.5	1.5
Repair services	2 998	2 836	1.3	1.3
Personal services	9 957	9 403	4.4	4.3
Entertainment and recreation services	1 702	1 628	0.7	0.8
Professional and related services	53 760	51 437	23.7	23.7
Public administration	10 145	9 704	4.5	4.5
LABOR FORCE STATUS IN 1979				
Persons 16 years and over	**385 440**	**370 963**	**100.0**	**100.0**
Worked in 1979	272 940	262 845	70.8	70.9
50 to 52 weeks	155 497	144 226	40.3	38.9
27 to 49 weeks	58 502	54 122	15.2	14.6
1 to 26 weeks	58 941	53 421	15.3	14.4
Usually worked 35 or more hours per week	209 334	193 022	54.3	52.0
Usually worked 1 to 34 hours per week	63 606	57 556	16.5	15.5
Did not work in 1979	112 500	108 118	29.2	29.1
Persons 16 years and over	**385 440**	**332 395**	**100.0**	**100.0**
With unemployment in 1979	51 218	43 973	13.3	13.2
Unemployed 1 to 4 weeks	16 491	14 332	4.3	4.3
Unemployed 5 to 14 weeks	17 859	15 393	4.6	4.6
Unemployed 15 or more weeks	16 868	14 248	4.4	4.3
No unemployment in 1979	334 222	288 422	86.7	86.8
DISABILITY STATUS OF NONINSTITUTIONAL PERSONS				
Persons 16 to 64 years	**325 524**	**314 707**	**100.0**	**100.0**
With a work disability	27 712	26 892	8.5	8.5
Prevented from working	13 506	13 100	4.1	4.2
No work disability	297 812	287 815	91.5	91.5
With a public transportation disability	4 409	3 935	1.4	1.3
No public transportation disability	321 115	297 543	98.6	94.5
Persons 65 years and over	**54 142**	**43 982**	**100.0**	**100.0**
With a public transportation disability	7 387	6 063	13.6	13.8
No public transportation disability	46 755	37 919	86.4	86.2
VETERAN STATUS OF CIVILIANS				
Male, 16 years and over	**184 161**	**177 575**	**100.0**	**100.0**
Veteran	60 853	59 013	33.0	33.2
Nonveteran	123 308	118 562	67.0	66.8
Female, 16 years and over	**201 005**	**193 894**	**100.0**	**100.0**
Veteran	2 610	2 525	1.3	1.3
Nonveteran	198 395	191 369	98.7	98.7

The State	Number		Percent distribution	
	After allocation	Before allocation	After allocation	Before allocation
INCOME IN 1979				
Households	**178 394**	**150 452**	**100.0**	**100.0**
Less than $5,000	22 180	18 324	12.4	12.2
$5,000 to $7,499	17 304	14 640	9.7	9.7
$7,500 to $9,999	17 224	14 522	9.7	9.7
$10,000 to $14,999	33 812	28 810	19.0	19.1
$15,000 to $19,999	29 873	25 400	16.7	16.9
$20,000 to $24,999	21 317	18 226	11.9	12.1
$25,000 to $34,999	22 242	18 821	12.5	12.5
$35,000 to $49,999	9 880	8 071	5.5	5.4
$50,000 or more	4 562	3 638	2.6	2.4
Median	$14 790	$14 800	...	...
Mean	$17 433	$17 331	...	...
Families	**129 036**	**109 079**	...	...
Median income	$17 205	$17 244	...	...
Mean income	$19 813	$19 764	...	...
Unrelated individuals 15 years and over	**82 048**	**71 560**	...	...
Median income	$5 276	$5 189	...	...
Mean income	$7 131	$7 028	...	...
Persons 15 years and over	**394 970**	**353 183**	**100.0**	**100.0**
Without income	52 456	47 652	13.3	13.5
With income	342 514	305 531	86.7	86.5
$1 to $1,999 or loss	56 954	50 283	14.4	14.2
$2,000 to $2,999	26 992	23 763	6.8	6.7
$3,000 to $4,999	48 964	43 025	12.4	12.2
$5,000 to $7,999	57 463	50 946	14.5	14.4
$8,000 to $9,999	32 463	29 087	8.2	8.2
$10,000 to $11,999	27 653	24 976	7.0	7.1
$12,000 to $14,999	30 341	27 724	7.7	7.8
$15,000 to $24,999	43 867	39 728	11.1	11.2
$25,000 to $49,999	14 941	13 406	3.8	3.8
$50,000 or more	2 876	2 593	0.7	0.7
Median	$6 939	$7 049	...	...
Mean	$9 225	$9 284	...	...
Male, 15 years and over	**189 232**	**168 768**	**100.0**	**100.0**
Without income	10 518	9 306	5.6	5.5
With income	178 714	159 462	94.4	94.5
Median income	$10 053	$10 237	...	...
Female, 15 years and over	**205 738**	**184 415**	**100.0**	**100.0**
Without income	41 938	38 346	20.4	20.8
With income	163 800	146 069	79.6	79.2
Median income	$4 689	$4 740	...	...
INCOME TYPE IN 1979				
Households	**178 394**	**157 673**	**100.0**	**100.0**
Without earnings	30 493	29 275	17.1	18.6
With earnings	147 901	128 398	82.9	81.4
Mean earnings	$16 927	$16 916	...	...
Without wage or salary income	38 619	36 308	21.6	23.0
With wage or salary income	139 775	122 598	78.4	77.8
Mean wage or salary income	$16 081	$16 138	...	...
Without nonfarm self-employment income	154 773	142 465	86.8	90.4
With nonfarm self-employment income	23 621	20 063	13.2	12.7
Mean nonfarm self-employment income	$8 899	$8 783	...	...
Without farm self-employment income	171 864	152 520	96.3	96.7
With farm self-employment income	6 530	5 257	3.7	3.3
Mean farm self-employment income	$6 976	$6 605	...	...
Without interest, dividend, or net rental income	90 879	82 468	50.9	52.3
With interest, dividend, or net rental income	87 515	76 413	49.1	48.5
Mean interest, dividend, or net rental income	$2 679	$2 680	...	...
Without Social Security income	130 615	116 443	73.2	73.9
With Social Security income	47 779	41 812	26.8	26.5
Mean Social Security income	$4 060	$4 089	...	...
Without public assistance income	164 009	145 486	91.9	92.3
With public assistance income	14 385	12 053	8.1	7.6
Mean public assistance income	$2 496	$2 486	...	...
Without all other income	134 538	119 463	75.4	75.8
With all other income	43 856	38 261	24.6	24.3
Mean all other income	$3 241	$3 239	...	...
INCOME IN 1979 BELOW POVERTY LEVEL				
Families	**11 494**	**9 083**	**100.0**	**100.0**
With Social Security income	2 019	1 536	17.6	16.9
With public assistance income	3 581	3 018	31.2	33.2
Householder worked in 1979	7 225	5 668	62.9	62.4
With related children under 18 years	8 702	7 041	75.7	77.5
Female householder, no husband present	4 302	3 627	37.4	39.9
Householder 65 years and over	1 213	921	10.6	10.1
Unrelated individuals for whom poverty status is determined	**19 009**	**16 206**	**100.0**	**100.0**
With Social Security income	5 691	4 852	29.9	29.9
With public assistance income	3 039	2 600	16.0	16.0
Worked in 1979	9 838	8 388	51.8	51.8
65 years and over	5 354	4 561	28.2	28.1
Persons for whom poverty status is determined	**59 059**	**53 222**	**100.0**	**100.0**
Related children under 18 years	19 901	15 914	33.7	29.9
65 years and over	7 466	6 982	12.6	13.1

Table C-3. Percent of Allocation for Selected Characteristics: 1980

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The State Urban and Rural and Size of Place Inside and Outside SMSA's SCSA's SMSA's Urbanized Areas Places of 2,500 or More Counties	Total persons				Persons 5 years and over				Persons 16 years and over					
	2 or more sample characteristics reported	1 or more allocations	Age	Place of birth	Language spoken at home	Residence in 1975	Persons 3 years old and over—School enrollment	Persons 25 years old and over—Highest year of school attended	Labor force status	Unemployment in 1979	Employed—Occupation	Worked in 1979—Weeks worked	Persons 15 years and over—Income in 1979	Households—Income in 1979
The State	**99.6**	**39.2**	**1.2**	**3.5**	**7.4**	**6.0**	**3.0**	**2.4**	**2.7**	**13.8**	**4.6**	**7.8**	**10.6**	**15.7**
URBAN AND RURAL AND SIZE OF PLACE														
Urban	**99.6**	**39.4**	**1.2**	**3.7**	**7.2**	**6.2**	**3.1**	**2.9**	**2.8**	**13.9**	**5.2**	**7.9**	**10.7**	**15.5**
Inside urbanized areas	99.5	37.7	1.2	3.8	6.4	6.7	3.2	2.8	3.2	13.9	5.6	8.2	10.6	16.1
Central cities	99.6	37.9	1.3	4.6	7.5	7.5	3.1	3.6	3.4	13.1	4.6	7.8	9.6	13.8
Urban fringe	99.5	37.6	1.0	3.1	5.3	5.9	3.3	2.2	3.0	14.8	6.5	8.7	11.6	18.4
Outside urbanized areas	99.7	40.7	1.2	3.6	7.9	5.8	3.0	2.9	2.4	13.9	4.9	7.6	10.9	15.0
Places of 10,000 or more	99.8	44.1	1.8	4.2	10.0	5.7	3.0	4.6	2.8	14.0	6.0	8.5	13.1	16.5
Places of 2,500 to 10,000	99.6	39.9	1.0	3.4	7.4	5.8	3.0	2.5	2.3	13.9	4.6	7.3	10.4	14.7
Rural	**99.6**	**39.0**	**1.2**	**3.5**	**7.5**	**5.9**	**3.0**	**2.2**	**2.6**	**13.7**	**4.3**	**7.7**	**10.5**	**15.8**
Places of 1,000 to 2,500	99.4	39.4	0.9	3.7	7.2	6.7	3.2	2.8	2.4	13.6	4.2	6.9	10.4	14.4
Other rural	99.7	39.0	1.2	3.4	7.5	5.8	2.9	2.2	2.7	13.7	4.3	7.8	10.5	16.0
Rural farm	99.9	39.9	0.8	2.6	5.8	4.3	3.0	1.0	2.4	13.0	3.4	8.4	11.8	23.0
INSIDE AND OUTSIDE SMSA's														
Inside SMSA's	**99.5**	**37.6**	**1.2**	**3.8**	**6.6**	**6.4**	**3.4**	**2.8**	**3.1**	**13.8**	**5.3**	**8.1**	**10.8**	**16.4**
Urban	99.5	37.7	1.2	3.8	6.4	6.7	3.2	2.8	3.2	13.9	5.6	8.2	10.6	16.1
Central cities	99.6	37.9	1.3	4.6	7.5	7.5	3.1	3.6	3.4	13.1	4.6	7.8	9.6	13.8
Not in central cities	99.5	37.6	1.0	3.1	5.3	5.9	3.3	2.2	3.0	14.8	6.5	8.7	11.6	18.4
Rural	99.4	37.3	1.4	3.9	7.1	5.9	3.7	2.7	3.1	13.5	4.7	8.0	11.4	17.3
Outside SMSA's	**99.7**	**39.6**	**1.2**	**3.4**	**7.6**	**5.9**	**2.9**	**2.4**	**2.6**	**13.8**	**4.4**	**7.6**	**10.5**	**15.5**
Urban	99.7	40.7	1.2	3.6	7.9	5.8	3.0	2.9	2.4	13.9	4.9	7.6	10.9	15.0
Rural	99.7	39.3	1.1	3.4	7.5	5.9	2.9	2.2	2.6	13.7	4.3	7.7	10.4	15.6
SMSA's														
Burlington, Vt.	99.5	37.6	1.2	3.8	6.6	6.4	3.4	2.8	3.1	13.8	5.3	8.1	10.8	16.4
Urban	99.5	37.7	1.2	3.8	6.4	6.7	3.2	2.8	3.2	13.9	5.6	8.2	10.6	16.1
Rural	99.4	37.3	1.4	3.9	7.1	5.9	3.7	2.7	3.1	13.5	4.7	8.0	11.4	17.3
URBANIZED AREAS														
Burlington, Vt.	99.5	37.7	1.2	3.8	6.4	6.7	3.2	2.8	3.2	13.9	5.6	8.2	10.6	16.1
PLACES OF 2,500 OR MORE														
Barre city	99.7	44.1	1.9	2.9	8.9	6.4	5.6	3.8	3.1	15.4	4.9	8.8	11.8	16.8
Bellows Falls village	99.9	37.6	1.1	1.8	9.1	4.6	2.0	3.5	1.8	10.6	1.1	4.7	11.7	16.5
Bennington (CDP)	99.7	37.7	1.1	3.8	7.2	5.7	2.3	3.1	2.0	12.0	4.2	7.3	10.8	14.5
Brattleboro (CDP)	99.8	41.1	1.1	3.7	7.8	6.5	2.8	2.2	2.1	14.6	6.1	9.9	11.8	15.4
Burlington city	99.6	37.9	1.3	4.6	7.5	7.5	3.1	3.6	3.4	13.1	4.6	7.8	9.6	13.8
Essex Junction village	99.3	30.3	0.3	2.4	3.6	4.1	2.3	1.3	1.6	9.5	2.1	5.0	7.8	13.6
Middlebury (CDP)	97.7	32.8	0.8	4.9	7.5	6.9	3.2	3.5	3.2	10.8	4.7	5.7	9.6	13.9
Montpelier city	99.9	38.0	0.6	3.0	6.9	6.6	2.7	1.5	1.5	12.0	5.3	5.7	6.9	9.1
Newport city	99.6	38.0	1.3	4.2	5.0	4.7	1.9	4.0	2.9	12.9	5.7	6.4	11.2	15.1
Rutland city	99.8	44.1	1.8	4.2	10.0	5.7	3.0	4.6	2.8	14.0	6.0	8.5	13.1	16.5
St. Albans city	99.6	42.3	0.9	5.0	7.9	7.1	2.8	2.3	2.2	18.0	5.3	9.4	10.9	17.3
St. Johnsbury (CDP)	99.8	39.0	0.5	3.2	5.3	5.0	1.7	1.5	2.4	16.0	4.0	9.0	11.9	17.7
South Burlington city	98.9	43.3	1.2	3.5	7.4	4.9	4.0	2.8	3.8	17.3	10.3	12.1	15.6	24.5
Springfield (CDP)	100.0	41.0	1.4	2.7	7.4	3.5	3.0	1.6	3.4	13.1	4.8	5.1	10.0	14.0
Swanton village	100.0	37.2	0.2	2.5	6.7	6.3	2.3	0.3	0.8	12.8	2.5	4.2	3.7	5.9
West Brattleboro (CDP)	100.0	42.3	0.6	0.8	8.8	4.0	3.5	0.4	1.1	17.1	4.7	6.5	10.4	14.9
White River Junction (CDP)	99.8	48.4	0.8	4.2	6.8	5.3	3.4	2.3	1.7	13.0	2.7	6.7	9.5	14.4
Winooski city	99.6	46.3	1.7	4.7	7.2	7.4	4.7	2.7	5.5	25.1	8.6	12.0	15.3	22.0
COUNTIES														
Addison	99.3	34.6	0.9	2.9	6.3	4.5	2.8	1.6	2.1	11.8	3.9	6.1	8.7	14.0
Bennington	99.8	37.3	0.8	3.1	8.3	5.0	2.4	2.0	2.1	12.1	3.6	6.4	9.0	13.2
Caledonia	99.9	37.5	1.1	2.6	6.4	5.0	2.6	1.5	2.2	13.2	4.1	8.5	10.3	15.9
Chittenden	99.5	37.6	1.3	3.8	6.6	6.4	3.4	2.8	3.1	13.8	5.2	8.1	11.0	16.7
Essex	99.7	42.0	1.0	4.9	6.5	9.1	3.2	2.3	2.7	14.1	4.2	8.6	11.0	17.6
Franklin	99.7	37.8	1.0	3.4	5.5	5.0	2.6	1.7	2.4	14.5	4.5	8.2	10.2	15.8
Grand Isle	99.5	41.3	0.9	3.4	10.9	4.7	3.4	0.8	2.2	13.4	3.3	7.1	10.4	17.2
Lamoille	98.8	41.4	1.0	4.2	9.7	8.0	3.3	2.8	2.4	14.9	3.1	7.9	10.0	14.1
Orange	99.5	42.9	1.6	4.2	8.1	7.8	3.7	2.8	4.9	17.4	6.6	10.0	12.7	18.2
Orleans	99.7	37.8	1.2	4.0	5.7	5.9	2.7	2.8	2.4	12.5	4.4	6.7	9.4	14.2
Rutland	99.7	40.4	1.3	3.7	8.6	5.4	2.6	2.8	2.8	13.8	4.9	7.8	10.7	15.8
Washington	99.7	40.3	1.1	3.6	7.7	7.6	3.4	3.3	2.6	14.0	4.2	7.7	10.0	14.4
Windham	99.8	40.4	1.2	3.0	7.8	6.1	2.6	2.1	2.3	14.1	4.7	8.4	11.7	16.8
Windsor	99.8	42.4	1.4	3.3	8.5	5.0	3.0	2.2	2.3	13.8	4.5	7.1	11.5	15.8

Table C-3a. **Percent of Allocation for Towns/Townships: 1980**

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Towns/Townships of 2,500 or More	Total persons				Persons 5 years and over				Persons 16 years and over					
	2 or more sample characteristics reported	1 or more allocations	Age	Place of birth	Language spoken at home	Residence in 1975	Persons 3 years old and over—School enrollment	Persons 25 years old and over—Highest year of school attended	Labor force status	Unemployment in 1979	Employed—Occupation	Worked in 1979—Weeks worked	Persons 15 years and over—Income in 1979	Households—Income in 1979
Barre town	99.4	38.9	0.5	2.4	5.9	6.0	3.3	3.3	2.5	14.0	2.2	6.6	11.3	16.9
Barton town	99.8	35.3	0.4	2.7	5.7	5.4	3.2	2.8	1.8	9.9	2.5	4.0	7.3	8.9
Bennington town	99.8	36.0	0.9	3.3	7.2	5.7	2.3	2.3	1.6	10.7	3.7	6.0	9.3	13.1
Brandon town	99.6	39.5	2.2	4.5	7.7	4.5	2.3	4.2	2.9	12.4	7.8	8.9	8.8	15.2
Brattleboro town	99.8	41.3	0.9	3.0	8.4	5.7	2.9	1.9	1.8	15.0	5.5	8.9	11.6	15.5
Bristol town	99.4	35.1	0.7	2.4	6.7	3.0	1.9	0.4	1.8	12.7	5.0	5.7	7.1	10.2
Castleton town	100.0	34.9	0.5	3.5	7.4	2.2	2.6	1.5	1.8	13.7	5.2	8.7	8.1	13.4
Charlotte town	99.8	41.9	2.4	5.0	6.3	6.7	3.6	2.8	2.7	14.3	5.6	11.0	13.0	17.7
Chester town	100.0	36.7	2.3	1.9	5.1	3.7	4.0	2.6	1.9	14.4	6.5	5.2	9.6	15.1
Colchester town	99.6	36.6	0.8	3.2	6.8	7.1	3.9	2.6	2.9	11.1	4.9	6.3	10.6	18.2
Derby town	99.5	36.6	2.7	5.0	4.0	8.4	3.2	4.0	2.3	12.9	6.7	7.0	8.5	13.6
Essex town	99.7	30.8	0.9	1.9	3.3	4.1	2.3	1.0	1.1	8.3	1.9	4.8	6.9	11.5
Fair Haven town	100.0	36.0	0.5	3.0	4.9	3.1	2.3	1.5	1.7	14.3	3.8	3.8	10.2	15.7
Georgia town	99.8	32.9	2.0	2.9	5.5	4.6	2.7	2.7	4.0	12.3	6.3	8.6	9.4	14.4
Hardwick town	100.0	41.9	2.1	2.8	4.6	6.3	3.9	1.9	2.0	16.2	3.1	9.5	11.6	18.2
Hartford town	99.9	43.2	1.2	3.3	7.2	5.8	3.1	3.2	1.3	12.4	2.8	6.0	11.3	14.6
Hinesburg town	99.0	43.2	3.9	6.9	9.1	9.1	5.0	5.8	3.7	19.0	7.3	11.1	15.1	20.6
Jericho town	99.8	32.9	0.6	2.7	5.7	4.0	3.4	3.2	1.8	9.2	3.3	5.4	9.6	17.2
Johnson town	100.0	42.8	1.0	3.2	5.3	8.1	1.3	0.1	1.6	13.1	3.9	9.2	10.0	14.9
Lyndon town	100.0	31.6	0.8	1.5	5.9	5.3	2.7	0.8	1.9	8.8	3.8	6.9	7.2	10.8
Manchester town	99.5	39.4	0.8	4.2	8.4	4.0	3.3	2.8	3.9	17.0	4.6	9.7	11.4	14.6
Middlebury town	98.0	32.2	0.9	4.3	6.8	5.8	3.7	3.0	2.8	10.8	4.3	6.2	9.1	13.4
Milton town	99.8	38.2	0.8	3.2	6.5	7.4	3.5	1.4	3.5	16.8	5.2	6.9	11.7	18.7
Morristown town	96.9	42.8	0.6	5.7	14.2	11.8	5.5	6.3	2.5	16.5	3.4	7.4	11.6	12.4
Northfield town	99.7	41.2	1.0	4.5	7.0	10.6	2.3	2.4	4.3	14.9	6.8	10.2	11.1	17.7
Pittsford town	99.3	42.2	1.9	2.6	9.1	5.0	3.1	2.7	1.8	12.3	3.5	4.8	8.8	13.2
Poultney town	99.9	37.3	1.5	3.6	5.7	3.7	2.3	1.1	2.0	10.8	2.4	5.6	8.5	15.2
Pownal town	99.8	40.8	1.0	3.0	11.4	3.3	3.6	2.0	2.2	11.5	2.1	4.1	6.9	11.0
Randolph town	98.9	38.2	0.6	4.5	4.1	6.3	3.3	3.9	3.5	16.1	4.9	10.1	12.0	15.4
Richmond town	99.7	35.4	0.9	4.1	6.6	5.2	3.6	3.2	2.7	13.5	5.8	9.8	10.3	14.7
Rockingham town	99.9	35.7	0.8	1.6	7.9	5.3	1.7	2.4	2.2	11.1	2.2	4.5	9.8	15.2
Rutland town	99.5	36.5	0.6	3.8	9.8	5.3	2.6	1.6	5.8	18.2	3.6	9.2	10.2	17.3
St. Albans town	99.5	40.7	2.5	2.0	5.6	4.5	3.5	2.3	2.9	16.1	3.7	9.3	16.1	21.4
St. Johnsbury town	99.8	39.0	0.4	2.9	5.1	4.8	2.1	1.7	2.4	16.1	3.8	9.0	12.5	18.3
Shaftsbury town	99.9	36.9	0.6	1.8	12.5	5.6	1.6	1.5	2.4	10.4	4.5	4.6	9.2	13.3
Shelburne town	99.3	35.7	1.1	4.9	7.1	5.4	2.5	3.0	4.3	15.5	6.9	9.3	12.1	16.1
Springfield town	100.0	42.1	1.5	2.5	7.7	3.7	3.4	2.3	3.2	14.1	5.5	5.5	10.7	14.7
Stowe town	99.8	41.2	0.2	3.0	9.7	9.4	2.8	1.2	3.0	14.3	2.6	7.4	9.2	14.0
Swanton town	100.0	35.3	0.3	3.2	4.5	5.3	2.1	0.6	1.1	11.6	1.9	6.3	6.0	10.1
Waterbury town	100.0	39.4	0.7	4.2	5.5	9.6	3.4	6.0	1.7	14.0	3.0	7.1	9.3	10.6
Weathersfield town	99.8	36.2	0.8	2.5	6.8	3.6	2.0	0.9	0.9	11.3	2.5	5.3	9.6	12.8
Williston town	98.8	38.9	1.4	4.7	5.6	9.1	4.3	3.2	1.7	16.6	4.6	10.5	14.4	21.5
Windsor town	99.6	41.0	1.8	5.9	7.6	6.0	2.5	2.1	3.1	14.5	4.0	11.2	11.7	14.8
Woodstock town	99.7	46.3	1.9	4.3	8.8	5.5	2.8	4.0	2.4	17.5	7.3	12.3	15.4	20.7

Appendix A.—Area Classifications

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STATES

The 50 States and the District of Columbia are the constituent units of the United States.

COUNTIES

In most States, the primary divisions are termed counties. In Louisiana, these divisions are known as parishes. In Alaska, which has no counties, the county equivalents are the organized boroughs together with the "census areas" which were developed for general statistical purposes by the State of Alaska and the Census Bureau. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities which are independent of any county organization and thus constitute primary divisions of their States. That part of Yellowstone National Park in Montana is treated as a county equivalent. The District of Columbia has no primary divisions, and the entire area is considered equivalent to a county for census purposes.

COUNTY SUBDIVISIONS

Statistics for subdivisions of counties are presented for 11 States (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin). A series of tables paralleling those for places and identified with an "a" suffix present data for minor civil divisions (i.e., towns and townships) of 2,500 or more inhabitants. In this report, minor civil divisions (MCD's) coextensive with census designated places (CDP's) are shown only as MCD's.

PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 2,500 are not shown in this report.

Central cities of standard metropolitan statistical areas, regardless of population, are shown only in the tables designated "... for Areas and Places." Thus, a central city with a population between 10,000 and 50,000 will not appear in the tables for places of 10,000 to 50,000.

Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six New England States, New York and Wisconsin. The towns in the New England States, New York, and Wisconsin, and the boroughs in New York are also recognized as minor civil divisions (MCD's) for census purposes. The boroughs in Alaska are county equivalents.

In Connecticut, a unique situation exists in which one incorporated place (Woodmont borough) is subordinate to another (Milford city). The city of Milford is coextensive with the town of Milford. In the tables for the Connecticut report in this series and other series of 1980 census reports, data shown for Milford city exclude those for Woodmont borough, and the user must therefore refer to data for Milford town (which include those for the borough) for data for Milford city.

Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by "(CDP)," meaning "census designated place." In the 1970 and earlier censuses, these places were identified by "(U)," meaning "unincorporated place." To be recognized for the 1980 census, CDP's must have a minimum 1980 population as follows:

Area	Minimum CDP population
Alaska	25
Hawaii	300
All other States:	
Inside urbanized areas:	
With one or more cities of 50,000 or more	5,000
With no city of 50,000 or more	1,000
Outside urbanized areas	1,000

Hawaii is the only State with no incorporated places recognized by the Bureau of the Census. All places shown for Hawaii in the 1980 census reports are CDP's. Honolulu CDP essentially represents the Honolulu Judicial District. The city of Honolulu, coextensive with the county of Honolulu, is not recognized for census purposes.

In many of the 11 States for which data are shown for MCD's (see section above on county subdivisions) certain CDP's are coextensive with MCD's (i.e., towns and townships). Data for these entities are shown only in the Town/Township tables in the reports for those States.

URBAN AND RURAL RESIDENCE

As defined for the 1980 census, the urban population comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas (see definition of urbanized areas). More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; (2) census designated places of 2,500 or more inhabitants; and (3) other territory, incorporated or unincorporated, included in urbanized areas. The population not classified as urban constitutes the *rural* population.

In censuses prior to 1950, the urban population comprised all persons living in incorporated places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. A definition of urban population restricted to incorporated places having 2,500 or more inhabitants excludes a number of large and densely settled areas merely because they are not incorporated. Prior to 1950, an effort was made to avoid some of the more obvious omissions by inclusion of selected areas which were classified as urban under special rules; however, the inhabitants of many large and closely built-up areas were excluded from the urban population.

To improve its measure of the urban population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and delineated boundaries for unincorporated places. For the 1950 census, the urban population was defined as all persons residing in urbanized areas and, outside these areas, in all places, incorporated or unincorporated, which had 2,500 or more inhabitants. With the following three exceptions, the 1950 definition of urban has continued substantially unchanged. First, in 1960, (but not in 1970 or 1980), certain towns in the New England States, townships in New Jersey and Pennsylvania, and Arlington County, Va., were designated as urban. However, most of the residents of these "special rule" areas would have been classified as urban in any event because they were residents of an urbanized area or an unincorporated place of 2,500 or more. Second, "extended cities" (see following section for definition) were identified in 1970 and 1980. Their recognition has, in general, had very little impact on the urban and rural population figures. Third, changes since 1970 in the criteria for defining central cities have permitted urbanized areas to be defined around smaller centers.

Rural Farm

The farm population is identified only in rural areas and includes all persons living on places of one acre or more from which at least $1,000 worth of agricultural products were sold during 1979. The definition of a farm has been changed since the 1970 census, when a farm was defined as a place of 10 or more acres with at least $50 worth of annual sales or a place of under 10 acres with at least $250 worth of agricultural sales.

Extended Cities

Since 1960 there has been an increasing trend toward the extension of city boundaries to include territory essentially rural in character. The classification of all the inhabitants of such cities as urban would include in the urban population persons whose environment is primarily rural in character. For the 1970 and 1980 censuses, in order to separate these people from those residing in the closely settled portions of such cities, the Bureau of the Census classified as rural a portion or portions of each such city that was located in an urbanized area. To be treated as an extended city, a city must contain one or more areas that are each at least 5 square miles in extent and have a population density of less than 100 persons per square mile. The area or areas must constitute at least 25 percent of the land area of the legal city or include at least 25 square miles. These areas are excluded from the urbanized area.

Those cities designated as extended cities thus consist of an urban part and a rural part. In the tables of this report, data for the urban part are shown separately following the data for the entire city. Only the urban part is considered to be the central city of an urbanized area. However, the term "central city" as used for SMSA's refers to the entire population within the legal boundaries of the city. In tables 56, 57, 58, 59, and 60, data for central cities of SMSA'a are shown under "urban" and therefore exclude the rural parts of extended cities.

URBANIZED AREAS

Definition

The major objective of the Census Bureau in delineating urbanized areas is to provide a better separation of urban and rural population in the vicinity of large cities. An urbanized area consists of a central city or cities, and surrounding closely settled territory ("urban fringe").

The following criteria are used in determining the eligibility and definition of the 1980 urbanized areas:[1]

An urbanized area comprises an incorporated place[2] and adjacent densely settled surrounding area that together have a minimum population of 50,000.[3] The densely settled surrounding area consists of:

1. Contiguous incorporated or census designated places having:

[1] All references to population counts and densities relate to data from the 1980 census.

[2] In Hawaii, incorporated places do not exist in the sense of functioning local governmental units. Instead, census designated places are used in defining a central city and for applying urbanized area criteria.

[3] The rural portions of extended cities, as defined in the Census Bureau's extended city criteria, are excluded from the urbanized area. In addition, for an urbanized area to be recognized, it must include a population of at least 25,000 that does not reside on a military base.

a. A population of 2,500 or more; or,
b. A population of fewer than 2,500 but having either a population density of 1,000 persons per square mile, or a closely settled area containing a minimum of 50 percent of the population, or a cluster of at least 100 housing units.

2. Contiguous unincorporated area which is connected by road and has a population density of at least 1,000 persons per square mile.[4]

3. Other contiguous unincorporated area with a density of less than 1,000 persons per square mile, provided that it:
   a. Eliminates an enclave of less than 5 square miles which is surrounded by built-up area.
   b. Closes an indentation in the boundary of the densely settled area that is no more than 1 mile across the open end and encompasses no more than 5 square miles.
   c. Links an outlying area of qualifying density, provided that the outlying area is:
      (1) Connected by road to, and is not more than 1½ miles from, the main body of the urbanized area.
      (2) Separated from the main body of the urbanized area by water or other undevelopable area, is connected by road to the main body of the urbanized area, and is not more than 5 miles from the main body of the urbanized area.

4. Large concentrations of nonresidential urban area (such as industrial parks, office areas, and major airports), which have at least one-quarter of their boundary contiguous to an urbanized area.

A map of each urbanized area in this State appears in the PC80-1-A report for the State.

Urbanized Area Titles

1. The titles of urbanized areas existing prior to the 1980 Census of Population and Housing are retained unchanged except for mergers and for those areas meeting items 4 and/or 5 of the titling criteria.

2. The titles of new urbanized areas qualifying as the result of the 1980 census are determined as follows:
   a. The name of the incorporated place with the largest population in the urbanized area is always listed.
   b. The names of up to two additional incorporated places may be listed, with eligibility determined as follows:
      (1) Those with a population of at least 250,000.
      (2) Those with a population of 15,000 to 250,000, provided that they are at least one-third the population of the largest place in the urbanized area.

3. Area titles that include the names of more than one incorporated place start with the name of the largest and list the others in descending order of their population.

4. In addition to incorporated place names, the titles contain the name of each State into which the urbanized area extends.

5. Regional titles may be used to identify urbanized areas with population over 1 million, in which case only the largest city of the urbanized area is included in the title.

Urbanized Area Central Cities

The central cities of urbanized areas are those named in the titles except where regional titles are used. In such cases, the central cities are those that have qualified under items 1 or 2 of the titling criteria. Data for central cities of urbanized areas refer to the urban portion of these cities, thus excluding the rural portions of extended cities, as discussed above.

STANDARD METROPOLITAN STATISTICAL AREAS

Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA's are designated and defined by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area's main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA's are composed of cities and towns rather than whole counties.

The population living in SMSA's may also be referred to as the metropolitan population. The population is subdivided into "inside central city (or cities)" and "outside central city (or cities)." The population living outside SMSA's constitutes the nonmetropolitan population.

SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA's include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA's are those named in the titles of the SMSA's, with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population within the legal city boundaries. In Hawaii, where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

In this report, central cities of standard metropolitan statistical areas, regardless of population, are shown only in the

[4] Any area of extensive nonresidential urban land use, such as railroad yards, airports, factories, parks, golf courses, and cemeteries, is excluded in computing the population density.

tables designated "... for Areas and Places." Thus, a central city with a population between 10,000 and 50,000 will not appear in the tables for places of 10,000 to 50,000.

New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

STANDARD CONSOLIDATED STATISTICAL AREAS

In some parts of the country, metropolitan development has progressed to the point that adjoining SMSA's are themselves socially and economically interrelated. These areas are designated standard consolidated statistical areas (SCSA's) by the Office of Management and Budget, and are defined using standards included as part of the new SMSA standards described above.

RELATIONSHIP BETWEEN URBANIZED AREAS AND SMSA's

Although urbanized areas and SMSA's are closely related in concept, there are important differences. The urbanized area consists of the contiguous built-up territory around each larger city and thus corresponds generally to the core of the SMSA. The SMSA definitions use counties as building blocks (in New England, cities and towns are used). SMSA's are generally larger than their core urbanized area because they include discontinuous urban and suburban development beyond the periphery of the continuously built-up territory. SMSA's may also include rural territory, while urbanized areas do not.

The new SMSA standards provide that each SMSA must include an urbanized area. SMSA's with separate large urban concentrations may include two or more urbanized areas. Occasionally, a portion of an urbanized area extends across the SMSA boundary into a nonmetropolitan county or another SMSA. Such portions are usually quite small in area and population. While each SMSA must include an urbanized area, urbanized areas may be defined outside the boundaries of any SMSA.

AMERICAN INDIAN RESERVATIONS

American Indian reservations are areas with boundaries established by treaty, statute, and/or executive or court order. The reservations and their boundaries were identified for the 1980 census by the Bureau of Indian Affairs and State governments. Federal and State reservations are located in 33 States and may cross State, county, minor civil division/census county division, and place boundaries. In this report, tribal trust lands outside the boundaries of reservations (off reservation) are not included as part of the reservations.

As part of 1980 census evaluations, there will be an evaluation of data for American Indian reservations. The results of the evaluation will be presented in 1980 census special reports on the American Indian population.

Data on 115 American Indian reservations were published in the 1970 census subject report, American Indians, PC(2)-1F. However, 1980 data may not be comparable to 1970 data because of boundary changes, improvements in geographic identification, enumeration techniques, etc., used in the 1980 census.

ALASKA NATIVE VILLAGES

Alaska Native villages constitute tribes, bands, clans, groups, villages, communities, or associations in Alaska which were listed in sections 11 and 16 of the Alaska Native Claims Settlement Act, Public Law 92-203, or which met the requirements of the act, and which the Secretary of Interior determined were, on the 1970 census enumeration date (April 1), composed of 25 or more Alaska Natives. This list was reviewed and updated for the Census Bureau by the State of Alaska prior to the 1980 census, to identify specifically only those entities that were recognized legally as Alaska Native villages.

Data on Alaska Native villages are not available from previous censuses. Some cities and "unincorporated places" (referred to as "census designated places" in 1980) which were identified in the 1970 census may, however, correspond to 1980 Alaska Native villages, but may not have identical boundaries.

AREA MEASUREMENTS

Area measurement figures for counties and county equivalents are available in table 2 of the PC80-1-A State reports and table 17 of the PC80-1-A1, United States Summary report. Area figures for standard metropolitan statistical areas, urbanized areas, places of 2,500 or more, and, in 11 States, MCD's of 2,500 or more, can be found in PC80-1-A1, United States Summary.

Appendix B.—Definitions and Explanations of Subject Characteristics

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GENERAL

The 1980 census was conducted primarily through self-enumeration. The principal determinant for the responses was, therefore, the questionnaire and its accompanying instruction guide. Furthermore, census takers were instructed in their telephone and personal visit interviews to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are drawn largely from various technical and procedural materials used in the collection of the data. These materials helped the census interviewers to understand more fully the intent of each question, and thus to resolve problems on unusual cases in a manner consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Facsimiles of the questionnaire pages containing the population questions used to produce the data shown in this report and the pages of the respondent instruction guide which relate to these questions are presented in appendix E.

HOUSEHOLD, RELATIONSHIP TO HOUSEHOLDER, FAMILY, AND GROUP QUARTERS

Household

A household includes all the persons who occupy a housing unit. A housing unit is a house, an apartment, a group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live and eat separately from other persons in the building and have direct access from the outside of the building or through a common hall.

The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements. The actual classification of a housing unit as a household depends on entries in question 2 and item B on the census questionnaire. Item B on type of unit or quarters was filled by an enumerator or a census office clerk for each housing unit or group quarters.

The measure "persons per household" is obtained by dividing the number of persons in households by the number of households (or householders).

Relationship to Householder

The data on relationship to householder were derived from answers to question 2, which was asked of all persons in housing units. Only basic categories of relationship are recognized in this report. More detailed categories of relationship will appear in the PC80-1-D reports (and summary tape file 5).

When relationship is not reported for an individual, it is allocated according to the responses for age and marital status for that person while maintaining consistency with responses for other individuals in the household. The allocation procedure is described in Appendix D, "Accuracy of the Data."

Householder—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in

column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder." Two types of householders are distinguished—a family householder and a nonfamily householder. A family householder is a householder living with one or more persons related to him or her by birth, marriage, or adoption. The householder and all persons in the household related to him or her are family members. A nonfamily householder is a householder living alone or with nonrelatives only.

Spouse—A person married to and living with a householder. This category includes persons in formal marriages as well as persons in common-law marriages.

Child—A son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. "Own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.

The number of children "living with two parents" includes stepchildren and adopted children as well as sons and daughters born to the couple.

"Related children" in a family include own children and all other persons under 18 years of age in the household, regardless of marital status, who are related to the householder by birth, marriage, or adoption, except the spouse of the householder.

In a subfamily an "own child" is a never-married child under 18 years of age who is a son, daughter, stepchild, or adopted child of a mother in a mother-child subfamily, a father in a father-child subfamily, or either spouse in a married-couple subfamily.

Other Relative—Any person related to the householder by birth, marriage, or adoption, who is not shown separately in the particular table (e.g., "spouse," "child," "brother or sister," or "parent").

Nonrelative—Any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are included in this category.

Unrelated Individual

An unrelated individual is (1) a householder living alone or with nonrelatives only, (2) a household member who is not related to the householder, or (3) a person living in group quarters who is not an inmate of an institution.

Family and Subfamily

A family consists of a householder and one or more other persons living in the same household who are related to the householder by birth, marriage, or adoption. All persons in a household who are related to the householder are regarded as members of his or her family. A "married-couple family" is a family in which the householder and spouse are enumerated as members of the same household. Not all households contain families, because a household may be composed of a group of unrelated persons or one person living alone. The measure "persons per family" is obtained by dividing the number of persons in families by the total number of families (or family householders).

A subfamily is a married couple (husband and wife enumerated as members of the same household) with or without children, or one parent with one or more never-married children under 18 years of age, living in a household and related to either the householder or the householder's spouse. Members of a subfamily are also included among the members of a family. The number of subfamilies, therefore, is not included in the number of families.

Group Quarters

All persons not living in households are classified by the Bureau of the Census as living in group quarters. Two general categories of persons in group quarters are recognized:

Inmates of Institutions—Persons under care or custody in institutions at the time of enumeration are classified as "patients or inmates" of an institution regardless of their length of stay in that place and regardless of the number of people in that place. Institutions include homes, schools, hospitals, or wards for the physically or mentally handicapped; hospitals or wards for mental, tubercular, or chronic disease patients; homes for unmarried mothers; nursing, convalescent, and rest homes for the aged and dependent; orphanages; and correctional institutions.

Other—This category includes all persons living in group quarters who are not inmates of institutions. Rooming and boarding houses, communes, farm and nonfarm workers' dormitories, convents or monasteries, and other living quarters are classified as "other" group quarters if there are 9 or more persons unrelated to the person listed in column 1 of the census questionnaire; or if 10 or more unrelated persons share the unit. Persons residing in certain other types of living arrangements are classified as living in "other" group quarters regardless of the number or relationship of people in the unit. These include persons residing in military barracks, on ships, in college dormitories, or in sorority and fraternity houses; patients in general or maternity wards of hospitals who have no usual residence elsewhere; staff members in institutional quarters; and persons enumerated in missions, flophouses, Salvation Army shelters, railroad stations, etc.

Military quarters include barracks or dormitories on base, transient quarters on base for temporary residents (both civilian and military), and military ships.

Comparability With 1970 Census Data—The 1980 definition of a household differs from that used in 1970 only in the change in the definition of housing unit to eliminate the requirement for complete kitchen facilities for the exclusive use of the household. The household reference person in 1970 was the "head of the household" (the husband in married-couple families); for 1980 it was changed to "the household member (or one of the members) in whose name the home is owned or rented." In 1970, a unit in which 6 or more unrelated persons were living together was classified as group quarters; for 1980 that requirement was raised to 10 or more unrelated persons.

SEX

The data on sex were derived from answers to question 3, which was asked of all persons. At the time of field review, most cases in which sex was not reported were resolved by determining the appro-

priate entry from the person's given name and household relationship. When sex remained blank, it was allocated according to the relationship to householder and the age and marital status of the person. The general allocation procedure is described in Appendix D, "Accuracy of the Data."

RACE

The data on race were derived from answers to question 4, which was asked of all persons. The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according to the race with which they identify. In this report, households and families are classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; however, if a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category; in the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire, but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The categories "American Indian," "Eskimo," and "Aleut" include persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or reported such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as American Indian.

The category "Asian and Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of such Asian and Pacific Islander groups as Cambodian, Laotian, Pakistani, and Fiji Islander under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc.

The category "Race, n.e.c." includes all other persons not included in the categories (White, Black, American Indian, Eskimo, and Aleut, and Asian and Pacific Islander) mentioned above. Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Inter-racial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c." During the coding operations, each of the sub-groups comprising "Race, n.e.c." were identified separately; plans are to provide figures for the component groups in subsequent 1980 census reports.

If the race entry was missing on the questionnaire for a member of a household, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

Comparability Between Sample and 100-percent Data for Racial Groups—The data on racial groups shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. The data in this report are based on a sample whereas certain other reports (e.g., the PC80-1-B series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

During the sample processing, the responses in the race question underwent more extensive review and edit than performed during the previous processing stages. Additional efforts were made to assign write-in entries to specific race categories and to resolve inconsistent and incomplete responses. The impact of this further work varies substantially by racial group and by geographic area, but is generally negligible. Most affected is the "Other" race category since a number of persons originally counted therein in the 100-percent tabulations were shifted into specific race categories in the sample tabulations. For instance, a number of persons who marked the "Other" race category supplied a write-in entry (e.g., Canadian, Polish, Lebanese, Black Puerto Rican, or Jamaican) which indicated that they belonged in one of the specific race categories. Furthermore, persons in the "Other" category reported as Cambodian, Laotian, Thai, etc., were combined into a "Other Asian and Pacific Islander" category which, together with the specific Asian and Pacific Islander categories (e.g., Japanese, Chinese, Filipino, etc.), covers the entire Asian and Pacific Islander population. This total is obtainable only from the sample tabulations, not from the 100-percent tabulations.

Information now available indicates that, since the effects of the additional review and edit were generally limited and rather varied, the 100-percent tabulations are usually the preferable source for comparable data for racial groups. That is, in the case of figures available for racial groups, both in this report and the PC80-1-B report for this state, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., education, labor force status, income, etc.) and data for the entire Asian and Pacific Islander population, the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

Comparability With 1970 Census Data—Differences between 1980 census and 1970 census population totals by race seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census; this difference in reporting has a substantial impact on the population totals and comparability for the "White" population and the "Race, n.e.c." or "Other" race population (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally, in 1970, only 1 percent of Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion, 38 percent, of Spanish origin persons reported their races as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 population totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, this change does not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 count for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fiji Islander were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970, these data were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

AGE

The data on age were derived from answers to question 5, which was asked of all persons. Only the information in items 5b and 5c (on month and year of birth) was read into the computer. Answers to item 5a (on age at last birthday) were used during field review to fill in any blanks in question 5c. The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference between date of birth and April 1, 1980.

The median ages shown in this report were computed on the basis of more detailed intervals than shown in the tables. If the median fell in the terminal category of an age distribution, the method of presentation was to show the initial age of the terminal category followed by a plus sign; thus, if the median fell in the category "85 years and over," it is shown as "85+."

In each census since 1940, the Bureau of the Census has assigned the age of a person when it was not reported. In censuses before 1940, with the exception of 1880, persons of unknown age were shown as a separate category. In 1960, 1970, and 1980, assignment of unknown ages was performed by the general allocation procedure described in Appendix D, "Accuracy of the Data."

MARITAL STATUS

The data on marital status were derived from answers to question 6, which was asked of all persons. The marital status classification refers to the status at the time of enumeration. Persons classified as "Now married" include those who have been married only once and have never been widowed or divorced as well as those currently married persons who remarried after having been widowed or divorced. Persons reported as separated are those living apart because of marital discord, with or without a legal separation. Persons in common-law marriages are classified as now married, persons whose only marriage had been annulled are classified as never married, and all persons under 15 years old are classified as never married. All persons classified as never married are shown as "single" in this report.

When marital status was not reported, it was allocated according to the relationship to householder and sex and age of the person. The general allocation process is described in Appendix D, "Accuracy of the Data."

SPANISH/HISPANIC ORIGIN

Information on persons of Spanish/Hispanic origin or descent from the 1980 census was derived from answers to question 7 which was asked of all persons.

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "other Spanish/Hispanic" origin were those whose origins are from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc.

Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's

parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, households and families are classified by the Spanish origin of the householder.

Persons of more than one type of Spanish origin and persons of both a Spanish and some other origin(s) who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin was not provided for the person's mother, then the first origin reported by the person was recorded. If any household member failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the sample edit operation according to available related information such as ancestry and place of birth reported for the household member. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

Limitation of the Data—A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population, or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 population census Supplementary Reports, Series PC80-S1-7, *"Persons of Spanish Origin by State: 1980."*

Comparability Between Sample and 100-Percent Data for the Spanish Origin Population—The data on the Spanish origin population shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the results of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the PC80-1-B series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on the Spanish origin population. That is, in the case of figures available for Spanish origin groups, both in this report and the corresponding PC80-1-B report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., education, labor force status, income, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

Comparability With 1970 Census Data—The 1980 data on Spanish origin are not directly comparable with those of 1970 because of several factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvement explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the category "Central or South American" was deleted because in 1970 some respondents misinterpreted the category; furthermore, the designations "Mexican-Amer." and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

SCHOOL ENROLLMENT

The data on school enrollment were derived from answers to questions 8, 9, and 10. Persons are classified as enrolled in school if they reported attending a "regular" school or college at any time between February 1, 1980, and the time of enumeration. Regular schooling is defined as nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree. Schooling in trade or business schools, company training, or schooling obtained through a tutor was to be reported only if the course credits obtained were regarded as transferable to a regular elementary school, high school, or college. Children were included as enrolled in nursery school only if the school included instruction as an important and integral phase of its program. Children enrolled in "Head Start" programs, or similar programs sponsored by local agencies to provide preprimary education to young children, were included as enrolled in school. Persons who had been enrolled in a regular school since February 1, 1980, but who had not actually attended, for example, because of illness, were counted as enrolled in school. Schooling which is generally regarded as *not* "regular" includes that given in nursery schools which simply provide custodial day care; in specialized vocational, trade, or business schools; in on-the-job training; and through correspondence courses.

Public, Church-Related, or Other Private School—Persons who were enrolled in school were also classified as attending a public, church-related, or other private school. In general, a "public" school is defined as any school which is controlled and supported primarily by a local, State, or Federal Government agency. A "church-related" school is defined here as a private school which is controlled or

supported primarily by a religious organization. An "other private" school is defined as a school controlled or supported primarily by private groups other than religious organizations.

In using the public/private school distinction for college enrollment, some caution should be exercised, since there is evidence that, in some parts of the country, the classification of individual schools may not be entirely clear, and census data may differ considerably from administrative figures.

Level and Year of School in Which Enrolled—Persons who were enrolled in school were classified according to the level and year of school in which they were enrolled as reported in question 9. The levels which are separately identified in this report are nursery school, kindergarten, elementary school, high school, and college. Children in "Head Start" or similar programs were counted under "nursery" or "kindergarten" as appropriate. Elementary school, as defined here, includes grades 1 to 8, and high school includes grades 9 to 12. Persons attending junior high school are reported in elementary school or high school according to their grade. The term "college" includes junior or community colleges, 4-year colleges, universities, and graduate or professional schools.

Comparability With Earlier Census Data—School enrollment questions in some form have been included in the census since 1840; grade attended was added in 1940. The wording of the type of school question was changed from parochial in 1970 to church-related in 1980 in an attempt to make the affiliation with a religious group clearer to respondents. The intention was to include all schools controlled by religious groups rather than only particular denominations or religions.

The corresponding question on schooling in the 1930 census applied to a somewhat longer period, the period since the preceding September 1; in addition, the question was not restricted as to the type of school the person was attending. In 1940 the question referred to the period since the preceding March 1. In 1950 the reference period was changed to that between February 1 and the time of enumeration. The same reference period was used in 1960, 1970, and 1980.

The age range for which enrollment data have been obtained has varied for the several censuses. Information on enrollment was recorded for persons of all ages in 1930 and 1940, for persons 5 to 29 years old in 1950, for those 5 to 34 years old in 1960, and for those 3 years old and over in 1970 and 1980. Most of the published enrollment figures relate to ages 5 to 20 in 1930, 5 to 24 in 1940, 5 to 29 in 1950, 5 to 34 in 1960, 3 to 34 in 1970, and 3 years old and over in 1980. The extended age coverage for the published enrollment data in the recent censuses reflects increased interest in the number of persons who are attending regular colleges and universities at older ages.

In the 1940 census, grade of enrollment was available for the first time; grade or year could be identified for elementary school through college. In 1950, kindergarten enrollment was separately identified for the first time. In 1970 nursery school enrollment was added to the levels of school separately identified.

Comparability With Data From Other Sources—Data on school enrollment are also collected and published by other Federal, State, and local governmental agencies. This information is generally obtained from reports of school systems and institutions of higher learning and from other surveys and censuses. These data are only roughly comparable with data collected by the Bureau of the Census, however, because of differences in definitions, subject matter covered, time references, and enumeration methods.

YEARS OF SCHOOL COMPLETED

The data on years of school completed were derived from answers to questions 9 and 10. These questions on educational attainment applied only to progress in "regular" schools as defined under the definition for school enrollment. The first question called for the highest grade attended, regardless of "skipped" or "repeated" grades. Persons whose education was received in foreign school systems or an ungraded school were expected to report the approximate equivalent grade in the regular American school system. An instruction printed on the form, "If high school was finished by equivalency test (GED), mark '12' " (meaning grade 12), was to ensure that persons who dropped out of school before high school graduation but later earned a diploma with an equivalency test would be counted as high school graduates. Those diploma recipients who also attended college would be credited with college attendance as reported.

The second question on educational attainment asked whether or not the highest grade attended had been finished. It was to be answered "Yes" if the person had successfully completed the entire grade or year indicated in question 9. If the person had completed only part of the year, had dropped out, or failed to pass the last grade attended, the question was to be answered "No." If the person was still attending school in that grade, he or she answered "Now attending."

The number in each category of highest grade of school completed represents the combination of (a) persons who reported the indicated grade as the highest grade attended and that they had finished it, (b) those who had attended the next higher grade but had not finished it, and (c) those still attending the next higher grade. Persons who have not completed the first year of elementary school are classified as having no years of school completed.

"Percent high school graduates" includes persons who completed four years of high school by graduation or an equivalency test and persons who reported that they had attended some level of college.

Comparability With Earlier Census Data—Educational attainment questions in terms of years of school completed have been included in the census since 1940. From 1840 to 1930, only a question on basic literacy was included. In 1940, a single question was asked on highest grade of school completed. However, respondents frequently reported the grade or year in which they were enrolled, or had last been enrolled, instead of the one completed. The two-question approach used since 1950 was designed to reduce this kind of error. The 1980 instruction for persons who received a high school diploma by virtue of passing an equivalency test was not included on past census questionnaires. Persons who took equivalency tests may or may not have been reported as high school grad-

uates in earlier censuses; however, completing high school by such means was not as common in earlier decades as it was in the decade prior to the 1980 census.

Median School Years Completed—The median number of school years completed was computed on the basis of intervals for years under 8 and a continuous series of numbers for 8 years of school completed and above (e.g., completion of the 1st year of high school was treated as completion of the 9th year, completion of the 1st year of college, as completion of the 13th year, etc.). Persons completing a given school year were assumed to be distributed evenly within the interval from .0 to .9 of the year. In fact, at the time of census enumeration, most of the enrolled persons had completed at least three-fourths of a school year beyond the highest grade completed, whereas a large majority of persons who were not enrolled had not attended any part of a grade beyond the highest one completed. The effect of the assumption is to place the median for younger persons slightly below, and for older persons slightly above, the true median.

The same procedure for computing this median has been used in the 1940, 1950, 1960, and 1970 censuses. Because of the inexact assumption as to the distribution within an interval, this median is more appropriately used for comparing different groups and the same group at different dates than as an absolute measure of educational attainment.

NATIVITY AND PLACE OF BIRTH

The data on nativity and place of birth were derived from answers to questions 11 and 12.

Nativity—Information on place of birth was used to classify the population of the United States into two major categories: Native and Foreign born. The category "Native" comprises persons born in the United States, Puerto Rico, or an outlying area of the United States. Also included in this category is the small number of persons who were born at sea or in a foreign country but have at least one American parent. Persons not classified as "Native" were classified as "Foreign born." When information on place of birth was missing, nativity was assigned on the basis of related information and the answers to question 12a on citizenship of persons born in a foreign country. Prior to the 1970 census, persons not reporting nativity were generally classified as native.

There may be slight differences between the data in this report on nativity and place of birth and similar data shown in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics,* PHC80-S2. Any such differences are a result of minor errors corrected after the release of PHC80-S2 reports.

Place of Birth—Respondents were instructed to report place of birth in terms of the mother's usual State of residence at the time of the birth rather than in terms of the location of the hospital if the birth occurred in a hospital. In this report, the native population is classified in the following groups: persons born in the State in which they were residing at the time of the census; persons born in a different State, by region; and persons born abroad or at sea with at least one American parent. Persons born in a foreign country were asked to report their country of birth according to international boundaries as recognized by the United States government on April 1, 1980. Since numerous changes in boundaries of foreign countries have occurred in the last century, some of these persons may have reported their country of birth in terms of boundaries that existed at the time of their birth or emigration, or in accordance with their own national preference. Selected countries of birth are shown in this report.

Persons not reporting place of birth were assigned the birthplace of another family member or were allocated the response of another person with similar characteristics. Information on specific country of birth, however, was not allocated. In previous censuses, place of birth data were not allocated. Data on the State of birth of the native population have been collected in each census beginning with that of 1850. For the more recent censuses, State of birth has been published for the native population of the urban, rural-nonfarm, and rural-farm parts of States, and of individual cities above a specified size, SMSA's, and counties.

CITIZENSHIP AND YEAR OF IMMIGRATION

Data on citizenship and year of immigration were derived from answers to questions 12a and 12b, which were asked of persons who reported being born in a foreign country. Persons who were born abroad or at sea and who had at least one American parent were to report themselves as "Born abroad of American parents."

Citizenship—Information on citizenship was used to classify the population into two major categories: citizens and noncitizens. Citizens are further classified as native, as defined above, or as naturalized. It was assumed that all native persons were citizens. Similar questions on citizenship were asked in the decennial censuses of 1820, 1830, 1870, 1890 through 1950, and 1970.

If citizenship was not reported, a response was assigned by computer using the responses of other persons based on year of immigration and country of birth.

Year of Immigration—Foreign-born persons were to indicate in question 12b the period which covered the year they came to stay permanently in the United States. A question on year of immigration was asked in each decennial census from 1890 to 1930 and in 1970. If year of immigration was not reported, a response was assigned using the responses of other persons based on age and race.

LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH

The data on language spoken at home and English ability were derived from answers to questions 13a, 13b, and 13c. The questions were intended to measure the extent to which languages other than English were currently being spoken and the number of persons who felt that their English ability was limited. These statistics are used to identify geographic areas with large numbers of non-English speakers, areas with concentrations of speakers of a particular non-English language, and areas where large numbers of limited English speakers reside. The questions were not intended to determine which language was a person's main

language, or whether a person was fluent in the non-English language that he or she reported. Therefore, persons who reported speaking a language other than English may have also spoken English at home and they may have been more fluent in English than in the non-English language.

Language Spoken at Home—Persons were asked in question 13a whether they currently spoke a language other than English at home. Those persons who reported speaking a language other than English were asked in question 13b to report what language they spoke. Their answers were coded using a detailed language list which distinguished approximately 400 languages. In the tables in this report only a few major languages could be shown separately. The remaining languages which were reported specifically by persons were grouped in an "Other specified language" category.

When the language was not on the detailed language list or when a person failed to report any language, and it could not be allocated based upon other information supplied by the person, the response was included in the "Unspecified language" category.

Ability to Speak English—Persons who reported that they spoke a language other than English at home were also asked in question 13c to characterize their ability to speak English. These responses were extremely subjective; they were the person's own perception about his or her own ability or, because census forms are usually filled by one household member, may have represented the perception of another household member.

Comparability—Information on language has been collected in every census since 1890. The comparability of these data among censuses is limited by changes in question wording, by the categories of the population to whom the question was addressed, and by the detail that was published.

For most of the census years, 1910 through 1940 and in 1960 and 1970, a question on "mother tongue" was asked, that is, persons were asked to report the language spoken in childhood or the language spoken before a foreign-born person immigrated to the United States. In the 1910 and 1920 censuses, statistics on mother tongue were published for the foreign stock (i.e., foreign born and native of foreign or mixed parentage) White population; in 1930, for the foreign-born White population; in 1940, for native White of native parentage and the White foreign stock; in 1960 for all foreign-born persons; and in 1970, for all persons. Ability to speak English, a simple "Yes" or "No" question, was asked in the censuses of 1890 through 1930.

There may be slight differences between the data in this report on language spoken at home and ability to speak English and similar data shown in the *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas,* PHC80-3, reports and in the *Supplementary Reports, Advance Estimates of Social, Economic, and Housing Characteristics,* PHC80-S2. Any such differences are a result of minor errors corrected after the release of the PHC80-3 and the PHC80-S2 reports.

ANCESTRY

The data on ancestry were derived from the answers to question 14. The 1980 census marked the first time that a general question on ancestry (ethnicity) was asked in a decennial census. The question was based on self-identification and was open-ended (respondents were required to write their answers). Ancestry refers to a person's nationality group, lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Thus, persons reported their ancestry group regardless of the number of generations removed from their country of origin. Furthermore, responses to the ancestry question reflected the ethnic group(s) with which persons identified and not necessarily the degree of attachment or association the person had with the particular group(s).

Ancestry and race are separate characteristics; therefore, persons reporting a particular ancestry may be of any race. Ancestry is also different from other population characteristics that are sometimes regarded as indicators of ethnicity, namely country of birth and language spoken at home.

A large number of persons reported their ancestry by specifying a single ancestry but some reported two, three, or more ancestry categories. All responses were coded manually by a procedure that allowed for identification of all single- and double-ancestry groups reported. In addition, 17 triple-ancestry categories were identified by unique codes (these categories were selected since they were reported frequently in Census Bureau surveys taken prior to the 1980 census). All other multiple responses were coded according only to the first and second ancestry categories reported.

In published tabulations, multiple groups are designated in general open-ended categories such as "Polish and other groups," rather than in specific multiple ancestry groups such as "Polish-Italian." A person who reported "Polish-Italian" ancestry, for example, is included in the category "Polish and other groups" and in the category "Italian and other groups." A few responses consisting of two terms (e.g., French Canadian) were considered as a single group and, thus, were coded and tabulated as a single ancestry. In addition, persons reporting combinations of ancestries such as "German-Bavarian" were tabulated as a single ancestry (i.e., German). Also, responses such as "Polish-American" or "Italian-American" were coded and tabulated as a single entry (i.e., "Polish" or "Italian"). A sole entry of "American" is tabulated in the category "Ancestry not specified."

Entries of religious groups were not coded separately and were tabulated in the category "Ancestry not specified." When an ancestry response was missing, the person's ancestry was tabulated as "not reported."

In tables 105 to 114, six ancestry groups—English, French, German, Irish, Italian, and Polish—plus four other ancestry groups which vary from State to State are shown. The variable ancestry groups are the largest four single or multiple ancestry groups within the particular State. In determining the four largest groups, categories such as Spanish origin groups and groups identified in the race question were omitted from consideration. This was done to minimize the presentation of generally duplicative data.

RESIDENCE IN 1975

The data on residence in 1975 were derived from answers to question 15 which asked for the State (or foreign country), county, and city of residence

on April 1, 1975. Residence in 1975 is used in conjunction with current residence to determine the extent of residential mobility of the population. The category "Same house" includes all persons 5 years old and over who did not move during the 5 years as well as those who had moved but by 1980 had returned to their 1975 residence. The category "Different house in the United States" includes persons who lived in the United States in 1975 but in a different house (or apartment) from the one they occupied on April 1, 1980. These persons were subdivided into three groups according to their 1975 residence: "Different house, same county," "Different county, same State," and "Different State." The last group was further subdivided by region of 1975 residence. The category "Abroad" includes those with residence in a foreign country, Puerto Rico, or an outlying area of the United States in 1975, including members of the Armed Forces and their dependents. When no information on residence in 1975 was collected for a person, information for other family members was used, if available. All cases of nonresponse, or incomplete response not assigned based on information from other family members, were allocated based on the previous residence of other persons with similar characteristics who provided complete information.

The number of persons who were living in a different house in 1975 is somewhat less than the total number of moves during the 5-year period. Some persons in the same house at the two dates had moved during the 5-year period but by the time of enumeration had returned to their 1975 residence. Other persons who were living in a different house had made one or more intermediate moves. For similar reasons, the number of persons living in a different county or a different State may be understated.

Similar questions on mobility were asked in the 1940, 1950, 1960, and 1970 censuses. The questions in the 1950 census, however, applied to residence one year earlier rather than 5 years earlier. Although the questions in the 1940 census covered a 5-year period, comparability with that census is reduced somewhat because of different definitions and categories of tabulation. Comparability with the 1970 and 1960 censuses is also somewhat reduced because nonresponse was not allocated in those earlier censuses.

Data on residence in 1975 are based on approximately one-half of the full census sample (see appendix D). Therefore, figures in tabulations involving residence in 1975 may differ from tabulations based on the full sample. For example, the number of persons 5 years old and over derived from residence in 1975 tabulations may not agree with other tabulations by age.

ACTIVITY IN 1975

The data on activity in 1975 come from answers to question 17 which asked persons 15 years old and over whether they were "in the Armed Forces," "attending college," or "working full or part-time at a job or business" in 1975. Nonresponse was allocated based on answers to other questions and related characteristics. The data are only shown for persons 21 years and over (i.e., persons who were 16 years and over in 1975).

VETERAN STATUS

The data on veteran status were derived from responses to question 18. A "veteran," as defined in census publications, is a person 16 years old or over who has served but is not now serving on active duty in the Armed Forces of the United States. Persons are classified as veterans if they were ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. Persons in the National Guard or in military reserve units are classified as veterans only if they were ever called to active duty. All other civilians 16 years old and over are classified as nonveterans. The allocation rates for veteran status shown in table C-1 are computed based on the number of *civilian* persons 16 years and over, rather than total persons 16 years and over, as implied on that table.

Period of Service—Persons who indicated in question 18a that they were veterans were asked to indicate the period or periods in which they served (question 18b). Persons serving in more than one period were classified in the most recent wartime period of service. For example, in Table 70 persons who served both during the Korean conflict and the post-Korean peacetime era between February 1955 and July 1964 were classified in the "Korean conflict" category. If the same person had also served during the Vietnam era, he or she would instead be included in the "Vietnam era and Korean conflict" category. The data were edited to eliminate reported period(s) of service which were inconsistent with the age of the person.

Comparability With Earlier Census Data—Veteran status was asked of both men and women in the 1980 census, the first time such data were collected for women. The wording of the question was changed from the 1970 version in order to make more clear the appropriate response for persons who served in National Guard or reserve units only.

Two categories of period of service were added since 1970: the post-Korean peacetime era between February 1955 and July 1964, and the post-Vietnam peacetime era beginning in May 1975. As in 1970, persons reporting more than one period of service are shown in the most recent wartime period of service category.

WORK DISABILITY

The data on disability status were derived from answers to question 19. Persons were identified as having a work disability if they had a health condition which had lasted 6 or more months and which limited the kind or amount of work they could do at a job. Persons with a work disability were further classified as "Prevented from working" or "Not prevented from working."

The term "health condition" refers to both physical and mental conditions. Temporary health problems are not considered a health condition.

Persons are considered limited in the kind or amount of work they could do if they were restricted in the kinds of jobs at which they were able to work or if they were unable to work at a full-time job.

PUBLIC TRANSPORTATION DISABILITY

Persons are identified as having a public transportation disability if they had a health condition which had lasted 6 or

more months and which made it difficult or impossible for them to use buses, trains, subways, or other forms of public transportation.

FERTILITY (CHILDREN EVER BORN)

The data on children ever born were derived from answers to question 20, which was asked of women 15 years old and over, regardless of marital status. Excluded were still-births, stepchildren, and adopted children. Ever-married women were instructed to include all children born to them before and during their most recent marriage, children no longer living, and children away from home, as well as children who were still living in the home. Never-married women were instructed to include all children born to them.

In the 1980 census, a terminal category of "12 or more" was used for recording the number of children ever born. For purposes of computing the total number of children ever born, the terminal category was given a mean value of 13.

Comparability With Earlier Census Data—The wording of the question on children ever born was the same in 1980 as in 1970. In 1970, however, the question on children ever born was asked of all ever-married women but only of never-married women who received self-administered questionnaires. In virtually all of the tables in 1970 census volumes, data presented on children ever born to all women assumed that single women were childless even though it was known that some of the women have had children. Therefore, rates and numbers of children ever born to all women are not comparable between the 1980 reports and previous census reports, since the 1980 census reports include data on children ever born to single women. Data presented for children ever born to women ever married are comparable between the 1980 census and previous censuses containing this question.

MARITAL HISTORY

The data on marital history were derived from answers to question 21, which was asked of persons 15 years and over.

Information on whether married more than once and on age at first marriage has been obtained in each census since 1940. In 1970 and 1980, the question on how the first marriage ended was also included.

For all persons reported as now married, separated, widowed, or divorced at the time of the enumeration, data were obtained on the date of the first marriage. From this information and from current age, data on age at first marriage and years since first marriage were derived. For each person who had been married more than once, information was obtained on how the first marriage ended. Persons shown as "known to have been widowed" include currently widowed persons and those currently married or divorced persons married more than once whose first marriage ended in widowhood. Persons shown as "known to have been divorced" include currently divorced persons and those currently married or widowed persons who were married more than once and whose first marriage did not end in widowhood.

When marital history was not reported or was incomplete, it was allocated according to age, sex, and marital status of the person, relationship to householder, and age of the oldest own child present in the household. Consistency was maintained between the marital histories of husband and wife when they were reported as members of the same household.

PLACE OF WORK

The data on place of work were derived from answers to question 23, which was asked only of persons who indicated in question 22 that they had worked at any time during the reference week (see below for definition of reference week). Data are tabulated for workers 16 years and over; that is, members of the Armed Forces and civilians who were at work during the reference week. Place of work refers to the geographic location at which workers carried out their occupational activities during the reference week. The exact address (number and street) of the place of work was asked, as well as the place (city, town, village, borough, etc.); whether or not the place of work was inside or outside its incorporated (legal) limits; and the county, State, and ZIP code. If the person's employer operated in more than one location, the exact address of the location or branch where the respondent worked was requested. When the number and street name could not be given, the building name or other physical location description was to be entered. Persons who worked at more than one location were asked to report the one at which they worked the greatest number of hours during the reference week. Persons who regularly worked in several locations during the reference week were requested to give the address at which they began work each day. For cases in which daily work was not begun at a central place each day, the person was asked to provide as much information as possible which described the area in which he or she worked most during the reference week.

For purposes of this report, place-of-work locations are defined as "in area of residence" and "outside area of residence." Area of residence refers to the particular tabulation area or areas shown in each table. For example, in a table that provides data for counties, the place-of-work data pertain to the number of workers living in each county who worked there, and the number who worked outside their county of residence. Similarly, in a table that provides data for several types of areas, such as the State and its individual SMSA's, counties, and places, the place-of-work data for each of these areas pertain to the number of workers living in the area who worked inside or outside its boundaries.

Persons were tabulated as working in an incorporated place if they reported working inside its legal limits, or reported an incorporated place as their place of work without specifying whether or not they worked inside its legal boundaries. Persons who reported working outside the limits of an incorporated place were tabulated as working outside the place. In contrast, persons who reported a census designated place (CDP)—a place with no legal boundaries—as their place of work were tabulated as working in that place regardless of their response on the incorporated limits question. The accuracy of place-of-work data for certain CDP's may be affected by the extent to which their census names were familiar to respondents, and by coding problems caused by similarities between the CDP name and

the names of other geographic jurisdictions in the same vicinity.

Place-of-work data are given for minor civil divisions (townships and towns) in the nine Northeastern States, based on the responses to the place-of-work question. Many towns and townships are regarded locally as equivalent to a place and were, therefore, reported as the place of work. When a respondent reported a locality or incorporated place that forms part of a township or town, the coding and tabulating procedure was designed to include the response in the total for the township or town. It is believed that the accuracy of the place-of-work data for minor civil divisions is greatest for the New England States. However, the data for some New England towns, for towns in New York, and for townships in New Jersey and Pennsylvania may be affected by coding problems resulting from unfamiliarity of the respondent with the minor civil division in which the workplace was located, or that resulted when a township and a city or borough of the same or similar name are located close together.

Data on place of work are based on approximately one-half of the full census sample (see Appendix D). Therefore, figures in tabulations involving place of work may differ from tabulations based on the full sample. For example, the number of workers 16 years old and over from place-of-work tabulations may not agree with the same category shown for means of transportation to work tabulations.

MEANS OF TRANSPORTATION TO WORK

The data on means of transportation to work were derived from answers to questions 24b, 24c, and 24d which were asked only of persons who indicated in question 22 that they had worked at any time during the reference week (see below for definition of reference week). Means of transportation to work refers to the principal mode of travel or type of conveyance that the person usually used to get from home to work during the reference week. Persons who used different means of transportation on different days of the week were asked to specify the one they used most often. Persons who used more than one means of transportation to get to work each day were asked to report the one used for the longest distance during the work trip. The category "Private vehicle" includes workers using a car (including company cars but excluding taxicabs), a truck of one-ton capacity or less, or a van. The category "Public transportation" includes workers who used a bus or streetcar, subway or elevated train, railroad, or taxicab.

A question on carpooling (question 24c) was asked of all workers who reported their means of transportation to work as "car," "truck," or "van." The category "Drive alone" includes persons who usually drove alone to work, as well as persons who were driven to work by someone who then drove back home or to a nonwork destination. The category "Carpool" includes workers who reported that they usually shared driving, drove others, or rode as a passenger during the reference week.

The means of transportation data for some areas in this report may show workers using modes of public transportation that are not available in those areas (e.g., subway or elevated riders in an SMSA where there actually is no subway or elevated service). This result is largely attributable to persons who worked during the reference week at a location that was different from their usual place of work (such as persons away from home on business in an area where subway service was available), and persons who used more than one means of transportation each day but whose principal means was not available where they lived (for example, residents of nonmetropolitan areas who drove to the fringe of an SMSA and took the commuter railroad most of the distance to work).

Private Vehicle Occupancy—The data on private vehicle occupancy were derived from answers to question 24d, which was asked of persons who indicated in question 22 that they had worked at any time during the reference week (see below for definition of reference week), and who reported in question 24c that they usually shared driving, drove others, or rode as a passenger in a car, truck, or van. Private vehicle occupancy refers to the number of persons who usually rode to work in the vehicle during the reference week. The measure "persons per private vehicle" is obtained by dividing the number of persons who reported using a car, truck, or van to get to work by the number of such vehicles that they used. The number of vehicles used is derived by counting each person who drove alone as one vehicle, each person who reported being in a two-person carpool as one-half vehicle, each person who reported being in a three-person carpool as one-third vehicle, and so on, and then summing all the vehicles.

Travel Time to Work—The data on travel time to work were derived from answers to question 24a, which was asked of persons who indicated in question 22 that they had worked at any time during the reference week (see below for definition of reference week). Travel time to work refers to the total number of minutes that it usually took the person to get from home to work during the reference week. The elapsed time includes time spent waiting for public transportation, picking up passengers in carpools and time spent in other activities related to getting to work.

REFERENCE WEEK

The data on labor force status and journey to work relate to the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents since the enumeration was not completed in one week. However, for the majority of persons the reference week for the 1980 census was the last week in March 1980. Passover and Good Friday occurred in the following week (the first week of April, 1980). Many workers presumably took time off for these observances. These holidays could have affected the data on hours worked for some areas if the first week in April was the reference week for a significant number of persons. The holidays probably did not affect the overall measurement of labor force status since labor force data are based on work activity during the entire reference week.

LABOR FORCE STATUS

The data on labor force status were derived from answers to questions 22, 25, and 26.

The series of questions on labor force status was asked of all persons 15 years

old and over and was designed to identify, in this sequence: (a) persons who worked at any time during the reference week; (b) persons who did not work during the reference week but who had jobs or businesses from which they were temporarily absent (excluding layoff); (c) persons on layoff; and (d) persons who did not work during the reference week, but who were looking for work during the last four weeks and were available for work during the reference week.

The labor force status data shown in this and other 1980 census reports relate to persons 16 years old and over. In 1940, 1950, and 1960, labor force status data were presented for persons 14 years old and over. The change in the universe was made in 1970 to agree with the official measurement of the labor force as revised in January 1967. Selected labor force status data were shown in 1970 for persons 14 and 15 years old, but are not presented for 1980.

Employed—Employed persons include all civilians 16 years old and over who were either (a) "at work"—those who did any work at all during the reference week as paid employees or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers on a family farm or in a family business; or (b) were "with a job but not at work"—those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Unemployed—Persons are classified as unemployed if they were civilians 16 years old and over and (a) were neither "at work" nor "with a job but not at work" during the reference week, (b) were looking for work during the last 4 weeks, and (c) were available to accept a job. Examples of jobseeking activities are: (1) registering at a public or private employment office, (2) meeting with prospective employers, (3) investigating possibilities for starting a professional practice or opening a business, (4) placing or answering advertisements, (5) writing letters of application, and (6) being on a union or professional register.

Also included as unemployed are persons who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off.

Civilian Labor Force—The civilian labor force consists of persons classified as employed or unemployed in accordance with the criteria described above.

Experienced Unemployed—Unemployed persons who have worked at any time in the past are classified as the "Experienced unemployed."

Experienced Civilian Labor Force—The "experienced civilian labor force" comprises the employed and the experienced unemployed.

Labor Force—The labor force includes all persons classified in the civilian labor force plus members of the Armed Forces (persons on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard).

Not in Labor Force—All persons 16 years old and over who are not classified as members of the labor force are defined as "Not in labor force." This category consists mainly of students, housewives, retired workers, seasonal workers enumerated in an "off" season who were not looking for work, inmates of institutions, disabled persons, and persons doing only incidental unpaid family work (less than 15 hours during the reference week).

Worker—The term "Worker" appears in connection with several subjects in this report: nonworkers per 100 workers, journey-to-work items, class of worker, weeks worked in 1979, and number of workers in family in 1979. Its meaning varies and, therefore, should be determined in each case by referring to the definition of the subject in which it appears.

Nonworkers Per 100 Workers—This measure, called the "nonworker/worker ratio" in the 1970 census, is the ratio of the sum of persons "not in the labor force" plus persons under 16 years of age to persons 16 years old and over in the labor force.

Comparability With Earlier Census Data—The questionnaire items and labor force status concepts for the 1980 census were essentially identical to those used in the 1970 census. However, these concepts differed in many respects from those associated with the 1950 and 1960 censuses; see the Volume 1 publications from the 1970 census for more information.

Comparability With Data From Other Sources—Because employment data from the census are obtained from respondents in households, they differ from statistics based on reports from individual business establishments, farm enterprises, and certain government programs. Persons employed at more than one job are counted only once in the census and are classified according to the job at which they worked the greatest number of hours during the reference week. In statistics based on reports from business and farm establishments, persons who work for more than one establishment may be counted more than once. Moreover, other series, unlike those presented here, may exclude private household workers, unpaid family workers, and self-employed persons, but may include workers less than 16 years of age.

An additional difference in the data arises from the fact that persons who had a job but were not at work are included with the employed in the statistics shown here whereas many of these persons are likely to be excluded from employment figures based on establishment payroll reports. Furthermore, the labor force status data in this report include persons on the basis of place of residence regardless of where they work, whereas establishment data report persons at their place of work regardless of where they live. This latter consideration is particularly significant when comparing data for workers who commute between areas.

For a number of reasons, the unemployment figures of the Bureau of the Census are not comparable with published figures on unemployment compensation claims. For example, figures on unemployment compensation claims exclude persons who have exhausted their benefit rights, as well as new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (including some workers in agriculture, domestic services, and religious

organizations, and self-employed and unpaid family workers). In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used by the Bureau of the Census. Persons working only a few hours during the week and persons temporarily absent from work for reasons other than layoff are sometimes eligible for unemployment compensation but are classified as "employed" in the census reports. Differences in the geographical distribution of unemployment data arise because the place where claims are filed may not necessarily be the same as the place of residence of the unemployed worker.

The figures on labor force status from the decennial census are generally comparable with similar data collected in the Current Population Survey. However, some differences may exist because of variations in enumeration and processing techniques.

Actual Hours Worked—All persons in the sample who reported working during the reference week were asked to report in item 22b the number of hours that they worked. The statistics on hours worked pertain to the number of hours actually worked at all jobs, and do not necessarily reflect the number of hours usually worked or the scheduled number of hours. The number of persons who worked only a small number of hours is probably understated since such persons sometimes consider themselves as not working.

LABOR FORCE STATUS IN 1979

The data on labor force status in 1979 were derived from answers to question 31. Persons 16 years old and over are classified as "In labor force in 1979" if (a) in 1979 they worked 1 or more weeks for pay or profit (including weeks on paid vacation or on paid sick leave) or worked without pay on a family farm or in a family business, or were on active duty in the Armed Forces; or (b) had any weeks of unemployment in 1979. The categories "Worked in 1979" and "With unemployment in 1979" are *not* mutually exclusive.

Worked in 1979 (Work Status in 1979)—Persons 16 years old and over who worked 1 or more weeks according to the criteria described below are classified as "Worked in 1979;" all other persons 16 years old and over are classified as "Did not work in 1979." Some tables showing work status in 1979 include 15 years olds; these persons are classified as "Did not work in 1979," by definition.

Weeks Worked in 1979—The data on weeks worked in 1979 were derived from answers to questions 31a and 31b. Question 31b (Weeks worked in 1979) was asked of persons 16 years and over who indicated in Question 31a that they worked in 1979.

The data pertain to the number of weeks during 1979 in which a person did *any work for pay or profit (including* paid vacation and sick leave) or worked without pay on a family farm or in a family business. Weeks of active service in the Armed Forces are also included. It is probable that the number of persons who worked in 1979 and the number of weeks worked are understated since there is some tendency for respondents to forget intermittent or short periods of employment or to exclude weeks worked without pay.

Usual Hours Worked in 1979—The data on usual hours worked per week in 1979 were derived from answers to question 31c. This question was asked of persons 16 years and over who indicated that they worked in 1979.

The data pertain to the number of hours a person *usually* worked during the weeks worked in 1979. The respondent was to report the number of hours worked per week in the majority of the weeks he or she worked in 1979. If the hours worked per week varied considerably during 1979, the respondent was to report an approximate average of the hours worked per week. The statistics on usual hours worked per week in 1979 are not necessarily related to the data on actual hours worked during the census reference week (question 22b).

Persons 16 years old and over who reported that they usually worked 35 or more hours each week during the weeks they worked are classified as "Usually worked full time;" persons who reported that they usually worked 1 to 34 hours are classified as "Usually worked part time."

Year-Round Full-Time Workers—Persons 16 years old and over who usually worked 35 hours or more per week for 50 to 52 weeks in 1979 are classified as "Year-round full-time workers."

With Unemployment in 1979—Persons 16 years old and over who had one or more weeks of unemployment in 1979 according to the criteria described below are classified as "With unemployment in 1979."

The data on weeks of unemployment in 1979 pertain to the number of weeks during 1979 in which a person 16 years old and over did not work but spent any time looking for work (that is, trying to get a job or start a business or professional *practice) or on layoff from a job.* Examples of looking for work are presented in the definition of *unemployed.* Excluded from weeks of unemployment are any weeks in which the person worked, even for one hour; or any weeks for which the person received any wages or salary; or in which the person was on active duty in the Armed Forces, on paid vacation, or on paid leave. The question on weeks of unemployment did not inquire whether persons who reported looking for work were available to accept a job. The number of weeks of unemployment is the total number of weeks accumulated during the entire calendar year 1979, regardless of whether the periods of unemployment were continuous.

Mean Weeks of Unemployment—The mean is based on the distribution of persons with unemployment by individual weeks of unemployment from 1 to 52 weeks.

Number of Workers in Family in 1979—The term "Worker" as used for these data is defined according to the criteria described in the section on "Worked in 1979."

Comparability With Earlier Census Data—The data on weeks worked collected in the 1980 census are comparable *with data from the* 1970 and 1960 censuses but may not be entirely comparable with data from the 1940 and 1950 censuses. On the three most recent census

questionnaires, two separate questions were used to obtain this information. The first identified persons with any work experience during the year and, thus, indicated those persons for whom the questions on number of weeks worked was applicable. In 1940 and 1950, however, the questionnaires contained only a single question on number of weeks worked.

In 1970, persons responded to the weeks worked question by indicating one of six weeks-worked intervals; in 1980, persons were asked to enter the specific number of weeks they worked.

The data on weeks looking for work in previous year (1979) were collected in 1980 for the first time since the 1890 census; the data on usual hours worked were collected for the first time ever in the 1980 census.

OCCUPATION, INDUSTRY, AND CLASS OF WORKER

The data on industry, occupation, and class of worker were derived from answers to questions 28, 29, and 30.

This series of questions was used to obtain industry, occupation, and class of worker information for the employed, the experienced unemployed, and experienced workers not currently in the labor force. The last two categories apply to persons who had worked at some time during the previous five years. All three items related to one specific job that the person held. For an employed person, the information referred to the job held during the reference week. Those who were employed at two or more jobs reported the job at which they worked the greatest number of hours during the reference week. For experienced unemployed persons and for those not in the labor force, the information referred to the last job that they held.

Clerical staff in the Bureau's processing offices converted the written industry and occupation descriptions from the questionnaire to identifying codes by relating these descriptions to an entry in the 1980 Census of Population: *Alphabetical Index of Industries and Occupations* (PHC80-R3), 1982, U.S. Government Printing Office, Washington, D.C. For the industrial code, however, these coders first referred to a Company Name List. This list, prepared from the Standard Statistical Establishment List developed by the Bureau of the Census for use in the economic censuses and surveys, contains the names of establishments and their Standard Industrial Classification code converted to population census equivalents. This listing facilitates coding and helps maintain industrial classification comparability.

Occupation Classification System

The system developed for the 1980 census consists of 503 specific occupation categories arranged into 6 summary and 13 major occupation groups. This classification was developed to be consistent with the 1980 *Standard Occupational Classification Manual* (SOC), published by the U.S. Department of Commerce, Office of Federal Statistical Policy and Standards. This is the first time there was a United States standard to use in developing the census occupational classification.

The SOC Manual presents a list of 12 principles used in occupational classification. The primary principles used were as follows: 1) the classification should realistically reflect the current occupational structure of the United States, and 2) an occupation should be classified on the basis of work performed. The conversion of the census classification to the SOC has caused the 1980 census classification to be less comparable with the classifications used in earlier censuses. See the section on "Comparability."

This report presents selected groupings of the 503 categories. The most detailed tabulation contains 47 occupation data lines, which are shown below with their component categories and the SOC code definition of each category in parentheses. The lines marked with an asterisk (*) are the remainder of major occupation groups, not shown in the report. The 1980 Census of Population: *Classified Index of Industries and Occupations* (PHC80-R4), 1982, U.S. Government Printing Office, Washington, D.C., provides information on the composition of the detailed categories.

Executive, Administrative, and Managerial Occupations (11-14)

Officials and administrators, public administration (11)—Includes legislators, chief executives, general administrators, and administrators, protective services.

Management related occupations(14)—Includes accountants; auditors; financial officers; management analysts; personnel, training, and labor relations specialists; buyers and purchasing agents; business and promotion agents; and inspectors and compliance officers, including construction.

**Officials and administrators, other* (12, 13)—Includes financial, personnel and labor relations, purchasing, marketing, advertising, and public relations managers; education and health administrators; property and real estate managers; postmasters and mail superintendents; and funeral directors.

Professional Specialty Occupations (16-34, 398)

Engineers and natural scientists(16-18)—Includes architects, engineers, surveyors, mathematicians, and natural scientists.

Engineers (162, 163)—Includes aerospace, metallurgical, mining, petroleum, chemical, nuclear, civil, agricultural, electrical and electronic, industrial, mechanical, and marine engineers, and naval architects.

**Architects, surveyors, mathematicians, and natural scientists* (161, 164, 17, 18)—Includes architects, surveyors, and mapping scientists; computer systems analysts; operations and systems researchers and analysts; actuaries, mathematicians, and statisticians; physicists, geologists, and chemists except biochemists; and atmospheric, space, agricultural, biological, forestry, conservation, and medical scientists.

Health diagnosing occupations (26-28)—Includes physicians, dentists, veterinarians, optometrists, and podiatrists.

Health assessment and treating occupations(29, 30)—Includes registered nurses, pharmacists, dietitians, therapists, and physicians' assistants.

Teachers, librarians, and counselors (22-25)

Teachers, elementary and secondary schools (231-233)—Includes prekindergarten, kindergarten, elementary, and secondary school teachers, but excludes principals and supervisors.

**Other teachers, librarians, and counselors* (22, 235, 236, 239, 24, 25)—Includes teachers, except elementary and secondary schools, vocational and educational counselors, librarians, archivists, and curators.

**Other professional specialty occupations* (19-21, 32-34, 398)—Includes economists, psychologists, sociologists, urban planners, social workers, recreation workers, the clergy and other religious workers, lawyers, judges, editors and reporters, announcers, public relations specialists, photographers, writers, artists, and entertainers.

Technicians and Related Support Occupations (36-39, except 398; 825)

Health technologists and technicians (36)—Includes clinical laboratory, health record, and radiologic technicians; dental hygienists; and licensed practical nurses.

Technologists and technicians, except health (37-39, except 398; 825)—Includes engineering, science, and surveying technicians; drafting occupations; airplane pilots; air traffic controllers; broadcast equipment operators; computer programmers; tool programmers, numerical control; and legal assistants.

Sales Occupations (40-44)

Supervisors and proprietors, sales occupations (40)

Sales representatives, commodities and finance (41, 42)—Includes insurance, real estate, securities, advertising, and other business service sales occupations; sales engineers; and mining, manufacturing, and wholesale trade sales representatives.

Other sales occupations (43, 44)—Includes retail sales workers; sales counter clerks; cashiers; street and door-to-door sales workers; news vendors; demonstrators, promoters, and models; auctioneers; and sales support occupations.

Cashiers (4364)

Administrative Support Occupations, Including Clerical (45-47)

Computer equipment operators (461)

Secretaries, stenographers, and typists (462)

Financial records processing occupations (471)—Includes bookkeepers; accounting, payroll, billing, and cost clerks; and billing and calculating machine operators.

Mail and message distributing occupations (474)—Includes postal clerks, mail carriers, mail clerks, and messengers.

**Other administrative support occupations* (45, 46 except 461, 462; 47 except 471, 474)—Includes clerical supervisors; interviewers; receptionists; transportation and reservation agents; hotel, classified-ad, correspondence, personnel, library, file, order, and record clerks; duplicating, mail, and office machine operators; telephone operators, telegraphers, and other communications equipment operators; dispatchers; production coordinators; traffic, shipping, stock and inventory clerks; meter readers; weighers, measurers, and checkers, samplers; expediters; adjusters and investigators; bill and account collectors; eligibility, office, and statistical clerks; bank tellers; proofreaders; data-entry keyers; and teachers' aides.

Private Household Occupations (50)—Includes launderers, cooks, housekeepers, child care workers, and household cleaners and servants.

Protective Service Occupations (51)

Police and firefighters (5123, 5132)—Includes police, detectives, and firefighters.

**Other protective service occupations* (511, 5122, 5133, 5134, 514)—Includes protective service supervisors, fire inspection and prevention occupations, sheriffs and other law enforcement officers, correctional institution officers, and guards.

Service Occupations, Except Protective and Household (52)

Food service occupations (521)—Includes bartenders; cooks; waiters; kitchen, food counter, and fountain workers; and waiters' assistants.

Cleaning and building service occupations (524)—Includes maids and housemen, janitors, elevator operators, and pest control occupations.

**Health and personal service occupations* (523, 525, 526)—Includes dental assistants, nursing and other health aides, orderlies and attendants, barbers, hairdressers and cosmetologists, recreation and public transportation attendants, guides, ushers, baggage porters, bellhops, welfare service aides, and child care workers.

Farming, Forestry, and Fishing Occupations (55-58, part 8241)

Farm operators and managers (55)

Farm workers and related occupations (56)—Includes farm, marine life, cultivation, and nursery workers; groundskeepers and gardeners; animal caretakers; and graders, sorters, and inspectors, agricultural products.

**Forestry and fishing occupations* (57, 58, part 8241)—Includes forestry and logging workers, fishers, captains of fishing vessels, hunters, and trappers.

Precision Production, Craft, and Repair Occupations (60-71 except part of 68, part 7477, 7668, part 7677, 7752, 828)

Mechanics and repairers (60, 61)—Includes vehicle and mobile equipment, industrial machinery, machinery maintenance, heating, and air conditioning mechanics; electrical and electronic equipment repairers, including telephone and telephone line installers; and camera, watch, musical instruments, office machine, mechanical controls, and valve repairers; locksmiths; elevator installers; and millwrights.

Construction trades (63, 64 except 632)—Includes brickmasons, stonemasons, tile setters, carpet installers, carpenters, drywall installers, electricians, electrical power installers and repairers, painters, paperhangers, plasterers, plumbers, concrete finishers, glaziers, insulation workers, paving equipment operators, roofers, sheet-metal duct installers, structural metal workers, earth drillers, and construction apprentices.

Precision production occupations (67-71 except part of 68, part 7477, 7668, part 7677, 7752, 828)—Includes precision metalworking and woodworking occupations, precision textile and apparel machine workers, precision workers, assorted materials, precision food production occupations, precision inspectors and testers, plant and system operators, and production supervisors.

**Extractive occupations* (632, 65)—Includes oil well drillers, explosives workers, miners and mining machine operators.

Machine Operators, Assemblers, and Inspectors (Part of 68, 73-78)

Machine operators and tenders, except precision (Major parts of 73-76, plus minor part of 68)—Includes metal and plastic working, fabricating, metal and plastic processing, printing, textile and apparel machine operators; machine operators of assorted materials with such functions as blending, cementing, packaging, filtering, paint spraying, washing, etc.; motion picture projectionists; and photographic process machine operators.

Fabricators, assemblers, inspectors, and samplers (77 except 7752, 78, plus minor parts of 73 and 75)—Includes welders, solderers, assemblers; hand-cutting, molding, painting, engraving, and miscellaneous hand working occupations; and production inspectors, testers, samplers, and weighers.

Transportation and Material Moving Occupations (811, 821, 823, 824, except part of 8241, 83, 874)

Transportation occupations (811, 821, 823, 824, except part of 8241, 874)

Motor vehicle operators (8111, 821, 874)—Includes truck, bus, and taxicab drivers; chauffeurs; driver-sales workers; and parking lot attendants.

**Rail and water transportation occupations*—(8113, 823, 824 except part 8241)—Includes railroad conductors, yardmasters, brake, signal, and switch operators; rail vehicle operators; locomotive operation occupations; ship captains, except fishing vessels; sailors and deckhands; bridge, lock, and lighthouse tenders.

Material moving equipment operators (812, 83)—Includes operating engineers; longshore equipment, hoist, and crane and tower operators; excavating machine operators including dozers; and industrial truck and tractor equipment operators.

Handlers, Equipment Cleaners, Helpers, and Laborers (85-87, except 874)

Construction laborers (871)

Freight, stock, and material handlers (872)—Includes garbage collectors, stevedores, stock handlers and baggers, machine feeders, and other material handlers.

**Other handlers, equipment cleaners, helpers and laborers* (85, 86, 873, 875)—Includes mechanic, construction, extractive, and production helpers; garage and service station related workers; vehicle washers; hand packers; and laborers, except construction.

The highest level of aggregation provided by the SOC is six summary groupings. These six groupings are shown below with their component two digit SOC codes shown in parentheses.

Managerial and professional specialty occupations (11 – 34)

Technical, sales, and administrative support occupations (36 – 47)

Service occupations (50 – 52)

Farming, forestry, and fishing occupations (55 – 58)

Precision production, craft, and repair occupations (60 – 71)

Operators, fabricators, and laborers (73 – 87)

Industry Classification System

The industry classification system developed for the 1980 Census of Population consists of 231 categories classified into 13 major industry groups. Since 1940 the industrial classification has been based on the *Standard Industrial Classification Manual* (SIC). The 1980 census classification was developed from the 1972 SIC published by the Executive Office of the President, Office of Management and Budget, and the 1977 supplement to that manual.

This report presents selected groups of the 231 categories. The most detailed tabulation includes 46 industry data lines, which are shown below with their component categories and the equivalent SIC codes in parentheses after each of the group titles. The lines marked with an asterisk (*) are the remainder of major occupation groups, not shown in the report. For readers without access to the SIC, the list below also presents descriptive terms of the content of the categories as required. Major industry group titles are in bold face. The 1980 Census of Population: *Classified Index of Industries and Occupations* (PHC80-R4), 1982, U.S. Government Printing Office, Washington, D.C., provides additional information on the industry classification system.

Agriculture, Forestry, and Fisheries (01, 02, 07-09)

Agriculture (01, 02, 07)

Forestry and fisheries (08, 09)

Mining (10-14)

Construction (15-17)

Manufacturing (20-39)

Food and kindred products (20)—Includes meat, dairy, and grain products; bakery and sugar products; beverage industries; and canning and preserving.

Textile mill and finished textile products (22, 23)—Includes textiles, carpets, and apparel.

Printing, publishing, and allied industries (27)

Chemicals and allied products (28)—Includes synthetic fibers, drugs, soaps, and paints.

**Other nondurable goods* (21, 26, 29-31)—Includes tobacco, paper, petroleum refining and coal, rubber, plastics, and leather products.

Furniture, lumber, and wood products (24, 25)—Includes logging, sawmills, mobile home and furniture manufacturing.

Primary metal industries (33)—Includes primary iron, steel, and aluminum furnaces, and rolling and finishing mills.

Fabricated metal industries, including ordnance (34)

Machinery, except electrical (35)—Includes engines, farm machinery, and office and electronic computing equipment.

Electrical machinery, equipment, and supplies (36)

Transportation equipment (37)

**Other durable goods, including not specified manufacturing* (32, 38, 39)—Includes stone, clay, glass, and concrete products; scientific instruments; optical and health supplies; photographic equipment; watches and clocks; and toys and sporting goods.

Transportation, Communications, and Other Public Utilities (40-49)

Railroads (40)

Trucking service and warehousing (42)

Other transportation (41, 43-47)—Includes urban transit, bus, water, and air transportation, pipelines and transportation services, and the U.S. postal service.

Communications (48)—Includes radio, television, telephone, and telegraph communication services.

Utilities and sanitary services (49)—Includes electric, gas, water, and sanitary services.

Wholesale Trade (50, 51)

Retail Trade (52-59)

General merchandise stores (53)—Includes department stores and variety stores.

Food, bakery, and dairy stores (54)

Automotive dealers and gasoline stations (55)

Eating and drinking places (58)

**Other retail trade* (52, 56, 57, 59)

Finance, Insurance, and Real Estate (60-67)

Banking and credit agencies (60, 61)

Insurance, real estate, and other finance (62-67)

Business and Repair Services (73, 75, 76)

Business services (73)—Includes advertising, research labs, employment agencies, consulting services, computer programming services, and detective services.

Repair services (75, 76)—In addition to repair shops, includes automobile rental, parking, and washing services.

Personal Services (70, 72, 88)

Private households (88)

Other personal services (70, 72)—Includes hotels, garment services, and beauty, barber, dressmaking, and shoe repair shops.

Entertainment and Recreation Services (78, 79)—Includes theaters, motion pictures, bowling alleys, and billiard parlors.

Professional and Related Services (80-87, 89)

Hospitals (806)

Health services, except hospitals (80, except 806)

Elementary and secondary schools and colleges (821, 822)

Other educational services (823, 824, 829)—Includes all other schools (correspondence, etc.) and libraries.

Social services, religious and membership organizations (83, 86)

Legal, engineering, and other professional services (81, 84, 89)

Public Administration (91-97)

Relation of Some Industry Groups to Similar Occupations or Class of Worker.—The industry category "Public administration" is limited to regular government functions such as legislative, judicial, administrative, and regulatory activities of governments. Other government organizations such as schools, hospitals, liquor stores, and bus lines are classified by industry according to the activity in which they are engaged. On the other hand, the class of worker government categories include all government workers.

Some occupation groups are closely related to certain industries. Operators of transportation equipment, farm operators and workers, and private household workers account for major portions of their respective industries of transportation, agriculture, and private households. The industry categories, however, include persons in other occupations. For example, persons employed in agriculture include truck drivers and bookkeepers; persons employed in the transportation industry include mechanics, freight handlers and bookkeepers; and persons employed in the private household industry include occupations such as chauffeur, gardener, and secretary.

Class of Worker

The class of worker item on the questionnaire consists of seven categories which are defined as follows:

1. *Private wage and salary workers*—Persons who worked for a private employer for wages, salary, commission,

tips, pay-in-kind, or at piece rates. Private employers include churches and other non-profit organizations.

2. *Government workers*—Persons who worked for any governmental unit, regardless of the activity of the particular agency. This category is subdivided by the level of government: (a) Federal, (b) State, and (c) local (county and its political subdivisions such as cities, villages, and townships).

3. *Self-employed workers*—
   a. Own business not incorporated—Persons who worked for profit or fees in their own unincorporated business, profession, or trade, or who operated a farm. Included here are the owner-operators of large stores and manufacturing establishments as well as small merchants, independent craftspersons and professionals, farmers, peddlers, and other persons who conducted enterprises of their own.
   b. Own business incorporated—Persons who consider themselves self-employed but work for corporations. In most cases the respondents will own or be part of a group that owns controlling interest in the corporation. Since all workers of a corporation are defined as wage and salary workers, this category is tabulated with "Private wage and salary workers," and shown as a subcategory of that group.

4. *Unpaid family workers*—Persons who worked without pay on a farm or in a business operated by a person to whom they are related by blood or marriage. These are usually the children or the wife of the owner of a business or farm. About one quarter of the unpaid family workers are farm workers.

Sample Edit and Allocation Procedures—Occasionally respondents supplied industry, occupation, or class of worker descriptions which were not sufficiently specific for precise classification or did not report on these items. Some of these cases were corrected through the field editing process and during the coding and tabulation operations. In the coding operation certain types of incomplete entries were corrected using the *Alphabetical Index of Industries and Occupations.* For example, it is possible in certain situations to assign an industry code based on the occupation reported.

Following the coding operation, there was a computer edit and allocation process. The edit first determined whether a respondent was in the universe which required an industry and occupation code. The codes for the three items (industry, occupation, and class of worker) were checked to make sure they were valid and were edited for their relation to each other. Invalid and inconsistent codes were either blanked or changed to a consistent code.

If one or more of the three codes were blank after the edit, a code was allocated from a "similar" person based on other items such as age, sex, education, farm or nonfarm residence, and weeks worked. If all the labor force and income data were also blank, all of these economic items were allocated from one other person who did provide all the necessary data. This was the first census that allocated industry and occupation to detailed categories.

Comparability With Earlier Census Data—Comparability of industry and occupation data is affected by a number of factors, a major one being the systems used to classify the questionnaire responses. For both the industry and occupation classification systems, the basic structures were generally the same from 1940 to 1970, but changes in the individual categories limited comparability of the data from one census to another. These changes resulted from the need to recognize the "birth" of new industries and occupations, the "death" of others, and growth and decline in existing industries and occupations, as well as the desire of analysts and other users for increased detail in presentation of the data. Probably the greatest cause of incomparability is the movement of a segment of a category to a different category in the next census. Such movements are necessitated by changes in functions and respondent terminology, and refinement of category composition.

In the 1980 census, the industry classification underwent limited change to reflect recent changes to the SIC. The occupation classification however was substantially revised because of the adoption of the Standard Occupational Classification by Federal agencies (see "Occupation Classification System"). During this entire period, from 1940 to 1980, the number of categories in the industry classification system increased from 132 to 231, and in the occupation system from 224 to 503.

Other factors that affect data comparability include the universe to which the data refer (in 1970, the age cutoff for labor force was changed from 14 years to 16 years); how the industry and occupation questions are worded on the questionnaire (for example, important changes were made in 1970); improvements in the coding procedures (the Company Name List technique was introduced in 1960); and how the "not reported" cases are handled. Prior to 1970, they were placed in residual "Industry not reported" and "Occupation not reported" categories. In 1970, an allocation process was introduced through which these cases were assigned to major groups. In 1980, the "Not reported" cases were assigned to individual categories. Therefore, the 1980 data for individual categories include some numbers of persons who would have been tabulated in a "Not reported" category in previous censuses.

The following publications contain information on the various factors affecting comparability and are particularly useful for understanding differences in the occupation and industry information from earlier censuses: U.S. Bureau of the Census, Sixteenth Census Reports, Population, *Comparative Occupation Statistics for the United States, 1870 to 1940;* U.S. Bureau of the Census, *Occupational Trends in the United States, 1900 to 1950,* Working Paper No. 5, 1958; U.S. Bureau of the Census, *Changes Between the 1950 and 1960 Occupation and Industry Classifications-With Detailed Adjustments of 1950 Data to the 1960 Classifications,* Technical Paper No. 18, 1968; and U.S. Bureau of the Census, *1970 Occupation and Industry Classification Systems in Terms of their 1960 Occupation and Industry Elements,* Technical Paper No. 26, 1972.

Comparability With Other Data—Comparability between the statistics presented in this volume and statistics from other sources is affected by many of the factors described in the section on "Labor Force Status." These factors are primarily geographic differences between residence and

place of work, different dates of reference, and differences in counts because of dual job holding. Industry data from population censuses cover all industries and all kinds of workers, whereas data from establishments often exclude private household workers, government workers, and the self-employed. Also, the replies from household respondents may differ in detail and nature from those obtained from establishments.

Occupation data from the census and data from government licensing agencies, professional associations, trade unions, etc., may not be as comparable as expected. Organizational listings often include persons not in the labor force or persons devoting all or most of their time to another occupation; or the same person may be included in two or more different listings. In addition, relatively few organizations, except for those requiring licensing, attain complete coverage of membership in a particular occupation field.

INCOME IN 1979

The data on income in 1979 were derived from answers to questions 32 and 33. Information on money income received in the calendar year 1979 was requested from persons 15 years old and over. "Total income" is the algebraic sum of the amounts reported separately for wage or salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net royalty or rental income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. "Earnings" is defined as the algebraic sum of wage or salary income and net income from farm and nonfarm self-employment. The earnings figures represent the amount of income received regularly before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for pensions, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

There may be differences between the data in this report on income in 1979 and similar data shown in the *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas,* PHC80-3, reports and in the Supplementary Reports, *Advance Estimates of Social, Economic and Housing Characteristics,* PHC80-S2. Any such differences are a result of errors corrected after the release of the PHC80-3 and the PHC80-S2 reports.

Type of Income

The seven types of income reported in the census are defined as follows:

Wage or Salary Income—Total money earnings received for work performed as an employee during the calendar year 1979. 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.

Nonfarm Self-Employment Income—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.

Farm Self-Employment Income—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.

Interest, Dividend, or Net Rental Income—Includes interest on savings or bonds, dividends from stockholdings or membership in associations, net royalties, and net income from rental of property to others and receipts from boarders or lodgers.

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

Public Assistance Income—Includes (1) supplementary security income payments made by Federal or State welfare agencies to low income persons who are aged (65 years old or over), blind, or disabled; (2) aid to families with dependent children, and (3) general assistance. Separate payments received for hospital or other medical care (vendor payments) are excluded from this item.

All Other Income—Includes unemployment compensation, veterans' payments, public or private pensions, alimony or child support, workers' compensation, periodic payments from estates and trust funds, periodic receipts from annuities or insurance, contributions received periodically from persons not living in the household, military family allotments, net gambling winnings, and other kinds of periodic income other than earnings.

Income of Households—Due to increased demand in the 1970's by a wide variety of data users, information on the income of households is presented for all geographic areas in this report. Household income includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Since many households consist of only one person, average household income is usually less than average family income.

Income of Families and Unrelated Individuals—In the compilation of statistics on family income, the incomes of all members 15 years old and over in each family are summed and treated as a single amount. However, for unrelated indi-

viduals 15 years old and over, the total amount of their own income is used. Although the income statistics cover the calendar year 1979, the characteristics of persons and the composition of families refer to the time of enumeration (April 1980). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1979 if these persons no longer resided with the family at the time of enumeration. On the other hand, family income amounts reported by related persons who did not reside with the family during 1979 but who were members of the family at the time of enumeration are included. However, the composition of most families was the same during 1979 as in April 1980.

Median Income—The median income is the amount which divides the distribution into two equal groups, one having incomes above the median and the other having incomes below the median. For households, families, and unrelated individuals the median income is based on the distribution of the total number of units including those with no income. The median for persons is based on persons with income. The median income values for all households, families, and unrelated individuals are computed on the basis of more detailed income intervals than shown in this report. Median income figures of $30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through Pareto interpolation. For a detailed description of these interpolation procedures, see appendix B of the Current Population Reports, Series P-60, No. 129, *Money Income of Families and Persons in the United States: 1979.*

Mean Income—The mean income is the amount obtained by dividing the total income of a particular statistical universe by the number of units in that universe. Thus, mean household income is obtained by dividing total household income by the total number of households. For the various types of income the means are based on households having those types of income.

Per Capita Income—Per capita income is the mean income computed for every man, woman, and child in a particular group. It is derived by dividing the total income of a particular group by the total population in that group.

Care should be exercised in using and interpreting mean income values for small subgroups of the population. Since the mean is strongly influenced by extreme values in the distribution, it is especially susceptible to the effects of sampling variability, misreporting, and processing errors. The median, which is not affected by extreme values, is, therefore, a better measure than the mean when the population base is small. The mean, nevertheless, is shown in this report for most small subgroups because, when weighted according to the number of cases, the means can be added to obtain summary measures for areas and groups other than those shown in this report.

Limitations of the Data—Since questionnaire entries for income are frequently based on memory and not on records, many persons tend to forget minor or irregular sources of income, and therefore, underreport their income. Underreporting tends to be more pronounced for income sources that are not derived from earnings, such as Social Security, public assistance, or net income from interest, dividends, and rentals. In addition, there are errors of reporting due to misunderstanding of the income questions. One such error is the reporting of gross rather than net dollar amounts for the two questions on net self-employment income, which results in an overstatement of these items. Another common error is the reporting of identical dollar amounts in two of the seven type of income items where a respondent with only one source of income assumed that the second amount should be entered to represent total income. Such instances of overreporting would have an impact on the level of mean nonfarm or farm self-employment income and mean total income published for the various geographical subdivisions of the State.

Extensive review procedures were instituted in the coding operation to reduce some of these reporting errors and to improve the accuracy of the income data. Moreover, many reporting errors were rectified through the coding and the computer editing procedures, with the result that consistency of reported income items with work experience, occupation, and class-of-worker information was improved. For example, if a person reported he was self-employed on his own farm, not incorporated, but had reported wage and salary earnings only, the latter amount was shifted to net farm self-employment income. Also, if a person reported total income only, the amount was generally assigned to one of the type of income items according to responses to the work experience and class-of-worker questions. Another type of problem involved nonreporting of income data. Where income information was not reported, computer allocation procedures were devised to impute appropriate values (either no income or positive or negative dollar amounts) for the missing entries. These procedures are described in Appendix D, "Accuracy of the Data."

In income tables for households, families, and unrelated individuals, the lowest income group (e.g., less than $2,500) includes units that were classified as having no 1979 income. Many of these were living on income "in kind," savings, or gifts, were newly created families or were families in which the sole breadwinner had recently died or left the household. However, many of the families and unrelated individuals who reported no income probably had some money income which was not recorded in the census.

The income data in this report cover money income only. The fact that many farm families receive an important part of their income in the form of "free" housing and goods produced and consumed on the farm rather than in money should be taken into consideration in comparing the income of farm and nonfarm residents. Nonmoney income is also received by some nonfarm residents. Such income often takes the form of business expense accounts, use of business transportation and facilities, or partial compensation by business for medical and educational expenses. Many low income families also receive income "in kind" from public welfare programs. In comparing income data for 1979 with earlier years, it should be noted that an increase or decrease in money income does not necessarily represent a comparable change in real income, unless adjustments for changes in prices are made.

Comparability

Data From Earlier Censuses—The income data collected in the 1960 and 1970 censuses are basically similar to the 1980 census data, but there are variations in the detail of the questions. In 1970, information on income was obtained from all members in every fifth housing unit and small group quarters (less than 15 persons) and every fifth person in all other group quarters. Each person was required to report (a) wage or salary income, (b) net nonfarm self-employment, (c) net farm self-employment, (d) Social Security or railroad retirement, (e) public assistance or welfare payments, and (f) income from all other sources in 1969. Between the 1970 and 1980 censuses, there were also some changes in the processing of the data. In the 1970 census, all missing values were imputed either as "None" or as a dollar amount. If a person reported a dollar amount in (a) wage or salary income, (b) net nonfarm self-employment income, or (c) net farm self-employment income, the person was considered as unallocated only if no further dollar amounts were imputed for any additional missing entries. In the 1980 census, all persons with missing values in one or more of the seven type of income items *and* total income were designated as allocated. If total income was reported *and* one or more of the type of income fields was not answered, then the entry in total income was generally assigned to one of the income types according to the socioeconomic characteristics of the income recipient. This person was designated as unallocated. Moreover, there was a difference in the method of computer derivation of aggregate income from individual amounts that were coded in tens, hundreds, and thousands of dollars in the coding operation. In the 1970 census processing, $50 and $5,000, respectively, were added by the computer to each amount coded in hundreds of dollars (under $100,000) and tens of thousands ($100,000 or more). Entries of $990,000 or more were treated as $995,000, and losses of $9,900 or more were treated as minus $9,950. In the 1980 census, income amounts less than $100,000 were coded in tens of dollars, and amounts of $100,000 or more were coded in thousands of dollars; $5 was added to each amount coded in tens of dollars and $500 to each amount coded in thousands of dollars. Entries of $999,000 or more were treated as $999,500, and losses of $9,990 or more were treated as $9,995 in all of the computer derivations of income aggregates. The coding schemes used in both the 1970 and 1980 censuses were developed to accommodate space limitations on the questionnaires.

In both the 1970 and 1980 censuses, all nonrespondents on income (whether heads of families or other persons) were assigned the reported income of persons with similar characteristics, as described generally in Appendix D, "Accuracy of the Data."

In 1960, data on income were obtained from all members in every fourth housing unit and from every fourth person 14 years old and over living in group quarters. Each person was requested to report (a) wage or salary income, (b) net self-employment income, and (c) income other than earnings received in 1959. An assumption was made in the editing process that no other type of income was received by a person who reported the receipt of either wage and salary income or self-employment but who had failed to report the receipt of other money income.

In 1950, information on income was obtained from every fifth person 14 years old and over. If the sample person was the head of the family, the income questions were repeated for the other family members as a group in order to obtain the income of the whole family. In the tabulations of family income for the 1950 census, if only the head's income was reported, it was assumed that there was no other income in the family.

In 1940, all persons 14 years old and over were asked to report (a) the amount of wages or salary received in 1939 and (b) whether income amounting to $50 or more was received in 1939 from sources other than wages or salaries.

Income Tax Data—For several reasons, the income data shown in this report are not directly comparable with those which may be obtained from statistical summaries of income tax returns. Income, as defined for tax purposes, differs somewhat from the Bureau of the Census concept. Moreover, the coverage of income tax statistics is different because of the exemptions of persons having small amounts of income and the inclusion of net capital gains in tax returns. Furthermore, members of some families file separate returns and others file joint returns; consequently the income reporting unit is not consistently either a family or a person.

Social Security Administration Earnings Record Data—The earnings data shown in this report are not directly comparable with earnings records of the Social Security Administration. The earnings record data for 1979 exclude the earnings of most civilian government employees, some employees of nonprofit organizations, workers covered by the Railroad Retirement Act, and persons not covered by the program because of insufficient earnings. Furthermore, earnings received from any one employer in excess of $22,900 in 1979 are not covered by earnings records. Finally, since census data are obtained from household questionnaires, they may differ from Social Security Administration earnings record data, which are based upon employers' reports and the Federal income tax returns of self-employed persons.

Bureau of Economic Analysis Income Series—The Bureau of Economic Analysis (BEA), of the Department of Commerce publishes annual data on aggregate and per capita personal income received by the population for each State, standard metropolitan statistical areas, and selected counties. Aggregate income estimates based on the income statistics shown in this report usually would be less than those shown in the BEA income series for several reasons. The Bureau of the Census data are obtained directly from households, whereas the BEA income series is estimated largely on the basis of data from administrative records of business and governmental sources. Moreover, the definitions of income are different. The BEA income series includes some items not included in the income data shown in this report, such as income "in kind," income received by nonprofit institutions, the value of services of banks and other financial intermediaries rendered to persons without the assessment of specific changes, medicare payments, and the income of persons who died or emigrated prior to April 1, 1980. On the other hand, the census income data include contributions for support received from persons not residing in the same

household and employee contributions for social insurance.

POVERTY STATUS IN 1979

Definitions

The data on poverty status were derived from answers to the same questions as the income data (see the section on "Income in 1979").

Poverty statistics presented in this report are based on a definition originated by the Social Security Administration in 1964 and subsequently modified by Federal interagency committees in 1969 and 1980. At the core of this definition is the 1961 economy food plan, the least costly of four nutritionally adequate food plans designed by the Department of Agriculture. It was determined from the Agriculture Department's 1955 survey of food consumption that families of three or more persons spend approximately one-third of their income on food; hence the poverty level for these families was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was multiplied by factors that were slightly higher in order to compensate for the relatively larger fixed expenses for these smaller households.

The income cutoffs used by the Bureau of the Census to determine the poverty status of families and unrelated individuals consist of a set of 48 thresholds arranged in a two-dimensional matrix consisting of family size (from one person to nine or more persons) cross-classified by presence and number of family members under 18 years old (from no children present to eight or more children present). Unrelated individuals and two-person families are further differentiated by age of the householder (under 65 years old and 65 years old and over). The total income of each family or unrelated individual in the sample is tested against the appropriate poverty threshold to determine the poverty status of that family or unrelated individual. If the total income is less than the corresponding cutoff, the family or unrelated individual is classified as below the poverty level. The number of persons below the poverty level is the sum of the number of persons in families with incomes below the poverty level and the number of unrelated individuals with incomes below the poverty level.

The poverty thresholds are revised annually to allow for changes in the cost of living as reflected in the Consumer Price Index. The average poverty threshold for a family of four persons was $7,412 in 1979. (See table at end of appendix.)

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or local variations in the cost of living. For a detailed discussion of the poverty definition, see U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 133, *Characteristics of the Population Below the Poverty Level: 1980.*

There may be slight differences between the data in this report on poverty status in 1979 and similar data shown in the *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas,* PHC80-3, reports and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics,* PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

Persons for Whom Poverty Status is Determined—Poverty status is determined for all persons except inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years old. When the line, "Persons for whom poverty status is determined," appears under the heading, "All Income Levels in 1979," it shows the total population minus persons in the four groups listed above. When the same line appears under the heading, "Income in 1979 Below Poverty Level," it shows the number of such persons who are classified as being below the poverty level. In tables that contain only poverty data, the above exclusions are stated in the headnote and the word "persons" is used in place of "persons for whom poverty status is determined."

Specified Poverty Levels—Because the poverty levels currently in use by the Federal Government do not meet all the needs of data users, some of the data are presented for alternate levels ranging from 75 percent to 200 percent of the current poverty level. These specified poverty levels are obtained by multiplying the income cutoffs at the poverty level by the appropriate factor. For example, the average income cutoff at 125 percent of poverty level was $9,265 ($7,412 x 1.25) in 1979 for a family of four persons.

Weighted Average Thresholds at the Poverty Level—The average thresholds shown in the first column of the table were weighted by the presence and number of children. For example, the weighted average threshold for a given family size is obtained by multiplying the threshold for each presence and number of children category within the given family size by the number of families in that category. These products are then aggregated across the entire range of presence and number of children categories, and the aggregate is divided by the total number of families in the group to yield the weighted average threshold at the poverty level for that family size.

Since the basic thresholds used to determine the poverty status of families and unrelated individuals are applied to all families and unrelated individuals, the weighted average poverty thresholds are derived using all families and unrelated individuals rather than just those classified as being below the poverty level. To obtain the weighted poverty thresholds for families and unrelated individuals below alternate poverty levels, the weighted thresholds shown in the table may be multiplied directly by the appropriate factor. The weighted average thresholds presented in the table are based on the March 1980 Current Population Survey. However, it is felt that these thresholds would not differ significantly from those based on the 1980 census.

Income Deficit—Income deficit is the difference between the total income of families and unrelated individuals below the poverty level and their respective poverty thresholds. In computing the income deficit, families reporting a net income loss are assigned zero dollars and for such cases the deficit is equal to the poverty threshold. This measure provides an estimate of the amount which would be required to raise the incomes of all poor families and unrelated individuals to their respective poverty thresholds. The income deficit is thus a measure of the degree of impoverishment of a family or

unrelated individual. However, caution must be exercised in comparing the average deficits of families with different characteristics. Apparent differences in average income deficits may, to some extent, be a function of differences in family size.

Mean Income Deficit—The mean income deficit is the amount obtained by dividing the total income deficit of a group below the poverty level by the number of families (or unrelated individuals) in that group.

Comparability With Earlier Census Data

The poverty definition used in the 1980 census differs slightly from the one used in the 1970 census. Three technical modifications were made to the definition used in the 1970 census as described below:

1. The separate thresholds for families with a female householder with no husband present and all other families were eliminated. For the 1980 census, the weighted average of the poverty thresholds for these two types of families were applied to all types of families, regardless of the sex of the householder.
2. Farm families and farm unrelated individuals no longer have a set of poverty thresholds that are lower than the thresholds applied to nonfarm families and unrelated individuals. Instead, the nonfarm thresholds were applied to all families and unrelated individuals regardless of residence.
3. The thresholds by size of family were extended from seven or more persons to nine or more persons.

These changes result in a minimal increase in the number of poor at the national level. For a complete discussion of these modifications and their impact, see Current Population Reports, Series P-60, No. 133.

The population covered in the poverty statistics derived from the 1980 census is essentially the same as in the 1970 census. The only difference is that in 1980, unrelated individuals under 15 years old were excluded from the poverty universe, while in 1970, only those under 14 years old were excluded. The poverty data from the 1960 census exclude all persons in group quarters and include all unrelated individuals regardless of age. It is unlikely that these differences in population coverage would have a significant impact when comparing the poverty data for persons from the 1980, 1970, and 1960 censuses.

Limitations

The term "Poverty" connotes a complex set of economic, social, and psychological conditions. The statistics presented in this report provide only estimates of economic poverty based on the receipt of money income before taxes. Readers should also be aware that for many different reasons there is a tendency for respondents to underreport their income. Overall, income earned from wages or salary is more accurately reported than other sources of income. (For a complete discussion of the limitations of the income data, see the section on "Income in 1979.")

It should be pointed out that nonmoney income is not considered in determining poverty status. In recent years, however, receipts from nonmoney transfers such as food stamps, housing subsidies, and health benefits have become an increasingly important element in the income of poor persons. For further information on the subject of valuing noncash benefits, see U.S. Bureau of the Census, Technical Paper 50, *Alternative Methods for Valuing Selected In-Kind Transfer Benefits and Measuring Their Effect on Poverty.* For a complete discussion of the limitations of the poverty concept, see Current Population Reports, Series P-60, No. 133.

Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years								
		None	1	2	3	4	5	6	7	8 or more
1 person (unrelated individual)	3,686	3,686	...	...	...	...	...	...	...	...
Under 65 years	3,774	3,774	...	...	...	...	...	...	...	...
65 years and over	3,479	3,479	...	...	...	...	...	...	...	...
2 persons	4,723	4,723	...	...	...	...	...	...	...	...
Householder under 65 years	4,876	4,858	5,000	...	...	...	...	...	...	...
Householder 65 years and over	4,389	4,385	4,981	...	...	...	...	...	...	...
3 persons	5,787	5,674	5,839	5,844	...	...	...	...	...	...
4 persons	7,412	7,482	7,605	7,356	7,382	...	...	...	...	...
5 persons	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...	...
6 persons	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...	...
7 persons	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...	...
8 persons	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835	...
9 or more persons	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586	14,024

Appendix C.—General Enumeration and Processing Procedures

USUAL PLACE OF RESIDENCE. . C–1
Armed Forces. C–1
Crews of Merchant Vessels C–1
Persons Away at School C–1
Persons in Institutions C–1
Persons Away From Their Residence on Census Day C–1
Americans Abroad. C–2
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USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

Armed Forces

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

Crews of Merchant Vessels

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

Persons Away at School

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

Persons in Institutions

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

Persons Away From Their Residence on Census Day

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be

away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototypesetting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.

Appendix D.—Accuracy of the Data

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INTRODUCTION

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error, which affects both sample and complete count data, is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

SAMPLE DESIGN

While every person and housing unit in the United States was enumerated on a questionnaire that requested certain basic demographic information (e.g., age, race, relationship), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places, and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other places, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small places. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation's housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In about 95 percent of the country, the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator systematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

In order to reduce the cost of processing, a scheme was designed, while the sample questionnaires were being processed, to select a sample of questionnaires on which the place of work and migration data items would be coded. The sample questionnaires were processed by work units consisting of 1980 census ED's. In work units (ED's) where the place of work and migration data items had not yet been coded, every other sample questionnaire within the work unit was selected for these coding operations. In work units where the place of work and migration data items already had been coded, all sample questionnaires were included in the tabulation.

ERRORS IN THE DATA

Since the data in this publication are based on a sample, they may differ somewhat from complete count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all

possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to underreport their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

Calculation of Standard Errors

Totals and Percentages—Tables A through D (A through E for the 11 States with towns/townships) in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of persons in the tabulation area and the percent of those in sample, given in table D (table E for the 11 States with towns/townships). The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

a. Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.

b. Find the geographic area with which you are working in table D (table E for the 11 States with towns/townships) and obtain the person "percent in sample" figure for this area. Use the person "percent in sample" figure for person and family characteristics and the housing unit figure for housing unit characteristics.

c. Use table C to obtain the factor for the characteristic (e.g., work disability, school enrollment) and the range that contains the percent in sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formulas below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

Differences—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference, the tables are to be used somewhat differently in the following three situations:

a. For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.

b. For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors Se_x and Se_y of estimates x and y:

$$Se_{(x+y)} = Se_{(x-y)} \doteq \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively) correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

c. For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

Means—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

Medians—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which

the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as N/2). Treat N/2 as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D (A, C, and E for the 11 States with towns/townships). Compute the desired confidence interval about N/2. Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about N/2. By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about N/2. Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

(1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and

(2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete-count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. The standard errors reflect the effect of simple response variance, but not the effect of correlated errors introduced by enumerators, coders, or other field or processing personnel. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error, see any standard sampling theory text.

Use of Tables to Compute Standard Errors

Table 158a shows that for the town of Colchester 6,185 persons out of all 9,410 persons aged 16 years and over were in the civilian labor force. Table D of this appendix lists the town of Colchester with a percent-in-sample of 15.8 percent ("Persons" column). Table C lists the adjustment factor for the characteristic "Labor force status." The column that gives the range which includes 15.8 percent in sample shows the adjustment factor to be 1.0 for "Labor force status."

The unadjusted standard error for the estimated total 6,185 is obtained from table A or from the formula given below table A. In order to avoid interpolation, the use of the formula will be demonstrated here. The formula for the unadjusted standard error, Se, is:

$$Se = \sqrt{5(6{,}185)\left(1 - \frac{6{,}185}{12{,}629}\right)} =$$

126 persons.

Note: The total count of persons for Colchester town is 12,629.

The standard error of the estimated 6,185 persons 16 years and over who were in the civilian labor force is found by multiplying the unadjusted standard error 126 by the adjustment factor, which was determined to be 1.0. This yields the estimated standard error of 126 for the total persons 16 years and over in Colchester town who were in the civilian labor force.

The estimated percent of persons 16 years and over who were in the civilian labor force is 65.7. From table B, the unadjusted standard error is found to be 1.1. Thus, the standard error for the estimated 65.7 percent of persons 16 years and over who were in the civilian labor force is 1.1 x 1.0 = 1.1.

A note of caution concerning numerical values is necessary. Standard errors of percentages derived in this manner are approximate. Calculations can be expressed to several decimal places, but to do so would indicate more precision in the data than is justifiable. Final results should contain no more than one decimal place when the estimated standard error is one percentage point (i.e., 1.0) or more.

In the previous example, the standard error of the 6,185 persons 16 years and over in Colchester town who were in the civilian labor force was found to be 126. Thus, a 95-percent confidence interval for this estimated total is found to be:

[6,185 −2 (126)] to [6,185 + 2(126)]

or

5,933 to 6,437.

One can say with about 95-percent confidence that this interval includes the value that would have been obtained by averaging the results from all possible samples.

The calculation of standard errors and confidence intervals will be illustrated when a difference of two sample estimates is obtained. For example, the number of persons in Essex town aged 16 years and over who were in the civilian labor force was 7,365, and the total number of persons 16 years and over was 10,410. Thus, the percentage of persons 16 years and over who were in the civilian labor force was 70.7 percent. The unadjusted standard error from table B is 1.0 percent. Table D lists Essex town with a percent-in-sample of 16.4 percent. From table C, the column that gives the range which includes 16.4 percent in sample shows the adjustment factor to be 1.0 for "Labor force status." Thus, the approximate standard error of the percentage (70.7 percent) is 1.0 x 1.0 = 1.0.

Suppose that one wishes to obtain the standard error of the difference between Essex town and Colchester town of the percentages of persons who were 16 years and over and who were in the civilian labor force. The difference in the percentages of interest for the two towns is:

$$70.7 - 65.7 = 5.0 \text{ percent.}$$

Using the results of the previous example:

$$Se\ (5.0) = \sqrt{(Se\ (70.7))^2 + (Se(65.7))^2}$$
$$= \sqrt{(1.0)^2 + (1.1)^2}$$
$$= 1.5 \text{ percent.}$$

The 95-percent confidence interval for the difference is formed as before:

$$[5.0 - 2(1.5)] \text{ to } [5.0 + 2(1.5)]$$

or

2.0 to 8.0.

One can say with 95-percent confidence that the interval includes the difference that would have been obtained by averaging the results from all possible samples.

ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons the first stage employed 17 household-type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

PERSONS

Stage I—Type of Household

Group	*Persons in Housing Units With a Family With Own Children Under 18*
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Persons in Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit
	Persons in All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit
17	*Persons in group quarters*

Stage II—Householder/Nonhouseholder

Group	
1	Householder
2	Nonhouseholder (including persons in group quarters)

Stage III—Age/Sex/Race/Spanish Origin

Group	*White Race*
	Persons of Spanish Origin
	Male
1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older
	Female
9-16	Same age categories as groups 1 to 8
	Persons Not of Spanish Origin
17-32	Same age and sex categories as groups 1 to 16
	Black Race
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
	Asian, Pacific Islander Race
65-96	Same age-sex-Spanish origin categories as groups 1 to 32

Indian (American) or Eskimo or Aleut Race

97-128 Same age-sex-Spanish origin categories as groups 1 to 32

Other Race (includes those races not listed above)

129-160 Same age-sex-Spanish origin categories as groups 1 to 32

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estimation procedure. For the first and second stages, any group that did not meet certain criteria concerning the unweighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

OCCUPIED HOUSING UNITS

Stage I—Type of Household

Group	*Housing Units With a Family With Own Children Under 18*
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit
	All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

Stage II—Tenure/Race and Origin of Householder/Value or Rent

Group	*Owner*
	White Race (householder)
	Persons of Spanish Origin (householder)
	Value of House
1	$0 to $9,999
2	$10,000 to $19,999
3	$20,000 to $24,999
4	$25,000 to $49,999
5	$50,000 to $99,999
6	$100,000 to $149,999
7	$150,000+
8	Other Owners
	Persons Not of Spanish Origin
9-16	Same value categories as groups 1 to 8
	Black Race
17-32	Same value—Spanish origin categories as groups 1 to 16
	Asian, Pacific Islander Race
33-48	Same value—Spanish origin categories as groups 1 to 16
	Indian (American) or Eskimo or Aleut Race
49-64	Same value—Spanish origin categories as groups 1 to 16
	Other Race (includes those races not listed above)
65-80	Same value—Spanish origin categories as groups 1 to 16
	Renter
	White Race
	Persons of Spanish Origin
	Rent Categories
81	$1 to $59
82	$60 to $99
83	$100 to $149
84	$150 to $199
85	$200 to $249
86	$250 to $299
87	$300 to $399
88	$400 to $499
89	$500+
90	Other Renter
91	No Cash Rent

	Persons not of Spanish origin
92-102	Same rent categories as groups 81 to 91
	Black Race
103-124	Same rent—Spanish origin categories as groups 81 to 102
	Asian, Pacific Islander Race
125-146	Same rent—Spanish origin categories as groups 81 to 102
	Indian (American) or Eskimo or Aleut Race
147-168	Same rent—Spanish origin categories as groups 81 to 102
	Other Race (includes those races not listed above)
169-190	Same rent—Spanish origin categories as groups 81 to 102

VACANT HOUSING UNITS

Group	
1	*Vacant for Rent*
2	*Vacant for Sale*
3	*Other Vacant*

The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.

CONTROL OF NONSAMPLING ERROR

As mentioned above, nonsampling error is present in both sample and complete count data. If left unchecked, this error could introduce serious bias into the data, the variability of which could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the 1980 census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. The primary sources of nonsampling error and the programs instituted for control of this error are described below. The success of these programs, however, was contingent upon how well the instructions were actually carried out during the census. To the extent possible, both the effects of these programs and the amount of error remaining after their application will be evaluated.

Undercoverage—It is possible for some households or persons to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a precanvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

Respondent and Enumerator Error—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests, and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if labor force items were incomplete for a person 15 years or older, long-form field edit procedures would recognize the situation and a followup attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect data for households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

Processing Error—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding, and computer operations undergo a number of quality control checks to insure their accurate application.

Nonreponse—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not

completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing nonresponse. In the census, nonresponse was substantially reduced during the field operations, by the various edit and followup operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described in more detail below.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the population as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in editing, the configuration of marks on the questionnaire column was scanned electronically to determine whether it contained information for a person or merely spurious marks. If the column contained entries for at least two of the basic characteristics (relationship, sex, race, age, marital status, Spanish origin), the inference was made that the marks represented a person. In cases in which two or more basic characteristics were available for only a portion of the people in the unit, other information on the questionnaire provided by an enumerator was used to determine the total number of persons. Names were not used as a criterion of the presence of a person because the electronic scanning did not distinguish any entry in the name space.

If any characteristics for a person were still missing when the questionnaires reached the central processing offices, they were supplied by allocation. Allocations, or assignments of acceptable codes in place of unacceptable entries, were needed most often when an entry for a given item was lacking or when the information reported for a person on that item was inconsistent with other information for the person. As in previous censuses, the general procedure for changing unacceptable entries was to assign an entry for a person that was consistent with entries for other persons with similar characteristics. Thus, a person who was reported as a 20-year-old son of the householder, but for whom marital status was not reported, was assigned the same marital status as that of the last son processed in the same age group. The assignment of acceptable codes in place of blanks or unacceptable entries, it is believed, enhances the usefulness of the data.

The 1980 census data on the economic questions such as industry, occupation, class of worker, work experience, and income were processed using an allocation system which assigned values to missing entries in these questions, as necessary, from a single respondent with similar socioeconomic characteristics. In the 1970 census, allocation of each of the economic items was conducted separately; thus, assigned values could come from more than one respondent.

Prior to the allocation of all economic variables, the computer records were sorted according to such characteristics as sex, race and ethnicity, household relationship, years of school completed, and geographic area. The actual allocation operation was implemented in the following manner:

1. The computer stored in a series of matrices reported economic information of persons by selected characteristics such as age, disability status, presence of children, veteran's status, employment status, occupation, industry, class of worker status, work experience in 1979, level of earnings in 1979, and value of property or monthly rent.

2. The stored entries in the various matrices were retained in the computer only until a succeeding person having the same set of characteristics was processed through the computer. Then the economic question responses of the succeeding person were stored in place of those previously stored.

3. When one or more of the economic questions was not reported, or the entry was unacceptable, the variables assigned to this person were those stored in the appropriate matrix for the last person who otherwise had the same set of characteristics.

The use of this single allocation system insured that the distribution of economic variable assignments would correspond closely to the entries of persons who had actually reported in the census.

Table A. Unadjusted Standard Errors for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total 1/	Size of publication area 2/													
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270
25 000.....	-	-	-	-	-	-	250	310	340	350	350	350	350	350
75 000.....	-	-	-	-	-	-	-	310	510	570	590	610	610	610
100 000.....	-	-	-	-	-	-	-	-	550	630	670	700	700	710
250 000.....	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570
1 000 000....	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190
5 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470
10 000 000...	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

1/ For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se\ (\hat{Y}) = \sqrt{5\hat{Y}\ (1-\frac{\hat{Y}}{N})}$$

N = Size of area

$\hat{Y}$ = Estimate of characteristic total

2/ The total count of persons in the area if the estimated total is a person characteristic, or the total count of housing units in the area if the estimated total is a housing unit characteristic.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage 1/												
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.2
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.2

1/ For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se\ (\hat{p}) = \sqrt{\frac{5}{B}\ \hat{p}(100-\hat{p})}$$

B = Base of estimated percentage

$\hat{p}$ = Estimated percentage

Table C. Standard Error Adjustment Factors

[Percent of persons in sample]

Characteristics	Less than 19 Percent	19 to 33 Percent	More Than 33 Percent
Urban and rural	1.0	0.7	0.4
Age, sex, race, and Spanish origin	1.2	1.0	0.5
Household and family type	1.0	0.9	0.5
Household relationship	1.2	1.0	0.6
Household size	1.1	0.9	0.5
Marital status	1.0	0.8	0.4
Children ever born	1.0	1.0	0.5
Language usage and ability to speak English	1.4	1.3	0.7
Ancestry	1.6	1.5	0.8
Type of group quarters	0.6	0.5	0.3
Nativity and place of birth	1.9	1.7	0.9
Residence in 1975 and year of immigration	3.8	3.8	2.2
Place of work	2.1	2.0	1.2
Travel time to work	1.7	1.5	0.9
Means of transportation to work and private vehicle occupancy	1.2	1.0	0.6
School enrollment	1.3	1.2	0.6
Year of school completed	1.1	1.0	0.5
Veteran status and period of service	1.0	0.9	0.5
Work and public transportation disability	1.1	0.9	0.5
School enrollment and years of school completed by labor force status	1.1	1.0	0.5
Labor force status	1.0	0.9	0.5
Unemployment in 1979	1.1	0.9	0.5
Industry and occupation	1.1	1.0	0.5
Class of worker	1.2	1.1	0.6
Household income	1.0	0.9	0.5
Income type	1.1	0.9	0.5
Family income	1.1	0.9	0.5
Unrelated individual income	1.1	0.9	0.5
Workers in family	1.2	1.1	0.6
Poverty status: Family	1.1	0.9	0.5
Poverty status: Persons	1.9	1.6	0.9
Poverty status: Unrelated individuals	1.2	0.9	0.5

Table D. Percent of Persons in Sample: 1980

[For meaning of symbols, see introduction. For definitions of terms, see appendixes A and B]

The State Urban and Rural and Size of Place Inside and Outside SMSA's SCSA's SMSA's Urbanized Areas Places of 2,500 or More Counties American Indian Reservations	Persons	
	100-percent count	Percent in sample
The State	**511 456**	**30.3**
URBAN AND RURAL AND SIZE OF PLACE		
Urban	**172 735**	**16.1**
Inside urbanized areas	76 528	15.9
Central cities	37 712	15.6
Urban fringe	38 816	16.3
Outside urbanized areas	96 207	16.2
Places of 10,000 or more	18 436	16.3
Places of 2,500 to 10,000	77 771	16.2
Rural	**338 721**	**37.5**
Places of 1,000 to 2,500	47 871	39.8
Other rural	290 850	37.1
Farm	–	...
INSIDE AND OUTSIDE SMSA's		
Inside SMSA's	**114 070**	**19.9**
Urban	76 528	15.9
Central cities	37 712	15.6
Not in central cities	38 816	16.3
Rural	37 542	27.9
Outside SMSA's	**397 386**	**33.2**
Urban	96 207	16.2
Rural	301 179	38.7
SMSA's		
Burlington, Vt.	114 070	19.9
Urban	76 528	15.9
Rural	37 542	27.9
URBANIZED AREAS		
Burlington, Vt.	76 528	15.9
PLACES OF 2,500 OR MORE		
Barre city	9 824	16.1
Bellows Falls village	3 456	16.0
Bennington (CDP)	9 349	16.0
Brattleboro (CDP)	8 596	16.5
Burlington city	37 712	15.6
Essex Junction village	7 033	16.3
Middlebury (CDP)	5 591	15.3
Montpelier city	8 241	15.8
Newport city	4 756	17.0
Rutland city	18 436	16.3
St. Albans city	7 308	16.6
St. Johnsbury (CDP)	7 150	17.2
South Burlington city	10 679	16.3
Springfield (CDP)	5 603	15.3
Swanton village	2 520	15.9
West Brattleboro (CDP)	2 795	16.5
White River Junction (CDP)	2 582	16.2
Winooski city	6 318	16.4
COUNTIES		
Addison	29 406	38.7
Bennington	33 345	28.8
Caledonia	25 808	32.8
Chittenden	115 534	20.2
Essex	6 313	47.2
Franklin	34 788	33.7
Grand Isle	4 613	49.4
Lamoille	16 767	35.8
Orange	22 739	44.9
Orleans	23 440	37.2
Rutland	58 347	29.1
Washington	52 393	28.9
Windham	36 933	33.0
Windsor	51 030	30.8

Table E. **Percent of Persons in Sample for Towns/Townships: 1980**

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Towns/Townships of 2,500 or More	Persons	
	100-percent count	Percent in sample
Barre town	7 090	15.4
Barton town	2 990	39.8
Bennington town	15 815	19.5
Brandon town	4 194	14.9
Brattleboro town	11 886	16.6
Bristol town	3 293	34.5
Castleton town	3 637	15.1
Charlotte town	2 561	49.2
Chester town	2 791	15.8
Colchester town	12 629	15.8
Derby town	4 222	26.5
Essex town	14 392	16.4
Fair Haven town	2 819	15.8
Georgia town	2 818	49.1
Hardwick town	2 613	33.6
Hartford town	7 963	16.0
Hinesburg town	2 690	48.4
Jericho town	3 575	30.2
Johnson town	2 581	33.5
Lyndon town	4 924	24.0
Manchester town	3 261	21.3
Middlebury town	7 574	15.6
Milton town	6 829	23.1
Morristown town	4 448	29.1
Northfield town	5 435	28.5
Pittsford town	2 590	49.3
Poultney town	3 196	33.7
Pownal town	3 269	16.2
Randolph town	4 689	32.4
Richmond town	3 159	24.9
Rockingham town	5 538	18.6
Rutland town	3 300	16.6
St. Albans town	3 555	16.5
St. Johnsbury town	7 938	17.0
Shaftsbury town	3 001	47.8
Shelburne town	5 000	15.3
Springfield town	10 190	15.8
Stowe town	2 991	20.2
Swanton town	5 141	15.7
Waterbury town	4 465	29.4
Weathersfield town	2 534	49.1
Williston town	3 843	15.5
Windsor town	4 084	15.9
Woodstock town	3 214	28.2

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.

2. Fill a circle to show how each person is related to the person in column 1.

   A stepchild or legally adopted child of the person in column 1 should be marked **Son/daughter**. Foster children or wards living in the household should be marked **Roomer, boarder.**

3. Be sure to fill a circle for the sex of each person.

4. Fill the circle for the category with which the person most closely identifies. If you fill the **Indian (American)** or **Other** circle, be sure to print the name of the specific Indian tribe or specific group.

5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, *and* fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.

6. If the person's only marriage was annulled, mark **Never married.**

7. A person is of Spanish/Hispanic origin or descent if the person *identifies* his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.

8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A *public* school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.

9. Fill only one circle. Mark the highest grade *ever* attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for **Nursery school.**

   If the person skipped or repeated grades, mark the highest grade ever attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark **Finished this grade (or year)** only if the person finished the *entire* grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

H4. Mark only one circle. *This address* means the house or building number where your living quarters are located.

H5. Mark the second circle only if you *must* go through someone else's living quarters to get to your own.

H6. Consider that you have hot water even if you have it only part of the time.

Mark **Yes, but also used by another household** if *someone* else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.

H7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.

H8. Mark **Owned or being bought** if the living quarters are owned outright or are mortgaged. Also mark **Owned or being bought** if the living quarters are owned but the land is rented.

Mark **Rented for cash rent** if any money rent is paid. *Rent may be* paid by persons who are not members of your household.

Occupied without payment of cash rent includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.

H9. A *condominium* is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.

H10b. A *commercial establishment* is easily recognized from the outside, for example, a grocery store or barber shop. A *medical office* is a doctor's or dentist's office regularly visited by patients.

H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

H12. Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

H13. Mark only one circle.

Detached means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall which goes from ground to roof.

Mark **A one-family house detached from any other house** when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

H14a. Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

H15a. A *city or suburban* lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A *place* is a farm, ranch, or any other property, other than a city or suburban lot, on which this *residence* is located.

H16. If a well provides water for six or more houses or apartments, mark **A public system.** If a well provides water for five or fewer houses or apartments, mark one of the categories for *individual well.*

Drilled wells, or small diameter wells, are usually less than 1½ feet in diameter. *Dug wells* are generally hand dug and are wider.

H17. A *public sewer* is operated by a government body or a private organization. A *septic tank or cesspool* is an underground tank or pit used for disposal of sewage.

H19. The term *person in column 1* refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into *this* house or apartment.

H20. This question refers to the type of *heating equipment* and not to the fuel used.

An *electric heat pump* is sometimes known as a reverse cycle system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

A *floor, wall, or pipeless furnace* delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a *portable room heater.*

INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

H21. *Gas from underground pipes* is piped in from a central system such as one operated by a public utility company or a municipal government. *Bottled, tank, or LP gas* is stored in tanks which are refilled or exchanged when empty. *Other fuel* includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

H22. If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly *average* for the past 12 months; for water and other fuels, the *total* amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ({) the two utilities.

H23. The kitchen sink, stove, and refrigerator must be located in the building but do *not* have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

H26. Answer **Yes** *only* if the telephone is located *in* your living quarters.

H27. Count only equipment used to cool the air by means of a refrigeration unit.

H28 – H29. Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do *not* count cars or trucks permanently out of working order.

H30 – H32. *Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.*

H30. Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

H31. When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

H32a. The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.

b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.

c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14

11. *For persons born in the United States:*
Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

For persons born outside the United States:
Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (*not* Great Britain or United Kingdom). Specify the particular island in the Caribbean, *not*, for example, West Indies.

12. This question is only for persons born in a foreign country. Fill the **Yes, a naturalized citizen** circle only if the person has *completed* the naturalization process and is now a citizen.

If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

13a. Mark **No, only speaks English** if the person always speaks English *at home*; then skip to question 14.

Mark **Yes** if the person speaks a language other than English *at home*. Do *not* mark **Yes** for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

b. Print the non-English language spoken *at home*. If this person speaks two or more non-English languages *at home* and cannot determine which is spoken most often, report the first language the person learned to speak.

c. Fill the circle that best describes the person's *ability* to speak English.

(1) The circle **Very well** should be filled for persons who have no difficulty speaking English.

(2) The circle **Well** should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.

(3) The circle **Not well** should be filled for persons who are seriously limited in their ability to speak English.

(4) The circle **Not at all** should be filled for persons who do not speak English at all.

14. Print the ancestry group with which the person *identifies*. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20

15a. Mark **Yes, this house** if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark **No, different house** if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did *not* live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — *print the* borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark **Yes** if you know that the location is *now* inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

17a. Mark **Yes** only if this person was on *active* duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark **No** if the person was in the National Guard or the reserves.

b. Mark **Yes** if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark **No** if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

c. Mark **Yes, full time** if the person worked full time (35 hours or more per week). Mark **Yes, part time** if the person worked part time (less than 35 hours per week). Mark **No** if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

18a. Mark **Yes** if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark **Yes** *only* if the person was ever called to active duty; mark **No** if the only service was active duty for training.

b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

19. The term "health condition" refers to any physical or mental problem which has lasted for 6 *or more* months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should *not* be considered a health condition.

20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26

21. If the exact date of marriage is not known, give your best estimate.

22a. Mark **Yes** if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

Count as work:

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

Do not count as work:

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.

23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in carpools, etc.

b. Mark **Worked at home** for a person who works on a farm where he or she lives, or in an office or shop in the person's home.

c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark **Drive alone.**

d. Do not include riders who rode to school or some other non-work destination.

25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark **No.**

26a. Mark **Yes** if the person tried to get a job or to start a business or professional practice at any time in the last *four* weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

b. Mark **No, already has a job** if the person was on layoff or was expecting to report to a job within 30 days.

Mark **No, temporarily ill** if the person expects to be able to work within 30 days.

Mark **No, other reasons** if the person could not have taken a job because he or she was going to school, taking care of children, etc.

INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29

27. Look at the instructions for 22a to see what to count as work. Mark **Never worked** if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm *and* (3) never served in the Armed Forces.

28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works.* Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable	Acceptable
Furniture company	Metal furniture manufacturing
Grocery store	Wholesale grocery store
Oil company	Retail gas station
Ranch	Cattle ranch

c. Mark **Manufacturing** if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark **Wholesale trade** if the business mostly sells things to stores or other companies.

Mark **Retail trade** if the business mostly sells things (not services) to individuals.

Mark **Other** if the main activity of the employer is not making or selling things. Some examples of **Other** are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable	Acceptable
Clerk	Production clerk
Helper	Carpenter's helper
Mechanic	Auto engine mechanic
Nurse	Registered nurse

b. Print the most important things that the person does on the job. Some examples are shown on the census form.

INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle.

Mark **Local government employee** for a teacher working in an elementary or secondary public school.

31a. Look at the instructions for question 22a to see what to count as work.

b. Count every week in which the person did any work at all, even for an hour.

c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.

d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.

32. Fill the **Yes** or **No** circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark **No** for the other person, unless the other person has additional income of the same type.

a. Include sick leave pay. Do not include reimbursement for business expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.

c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.

d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.

e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.

f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.

g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

33. If no income was received in 1979, fill the **None** circle. If total income was a loss, write "Loss" above the amount.

Please fill out this official Census Form and mail it back on Census Day, Tuesday, April 1, 1980

1980 Census of the United States

If the address shown below has the wrong apartment identification, please write the correct apartment number or location here:					
DO	A1	A2	A4	A5 L	A6

Your answers are confidential

By law (title 13, U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

Para personas de habla hispana

(For Spanish-speaking persons):
SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL llame a la oficina del censo. El número de teléfono se encuentra en el encasillado de la dirección.

O, si prefiere, marque esta casilla ☐ y devuelva el cuestionario por correo en el sobre que se le incluye.

A message from the Director,
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.

U.S. Department of Commerce
Bureau of the Census
Form D-2

Form Approved
O M B No 41-S78006

Please continue →

How to fill out your Census Form

See the filled-out example in the yellow instruction guide. This guide will help with any problems you may have.

If you need more help, call the Census Office. The telephone number of the local office is shown at the bottom of the address box on the front cover.

Use a black pencil to answer the questions. Black pencil is better to use than ballpoint or other pens.

Fill circles "O" completely, like this: ●

When you write in an answer, print or write clearly.

Make sure that answers are provided for everyone here.

See page 4 of the guide if a roomer or someone else in the household does not want to give you all the information for the form.

Answer the questions on pages 1 through 5, and then starting with pages 6 and 7, fill a pair of pages for each person in the household.

Check your answers. Then write your name, the date, and telephone number on page 20.

Mail back this form on Tuesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.

Please start by answering Question 1 below.

Question 1

List in Question 1

- Family members living here, including babies still in the hospital
- Relatives living here
- Lodgers or boarders living here
- Other persons living here
- College students who stay here while attending college, even if their parents live elsewhere
- Persons who usually live here but are temporarily away (including children in boarding school below the college level)
- Persons with a home elsewhere but who stay here most of the week while working

Do Not List in Question 1

- Any person away from here in the Armed Forces.
- Any college student who stays somewhere else while attending college.
- Any person who usually stays somewhere else most of the week while working there.
- Any person away from here in an institution such as a home for the aged or mental hospital.
- Any person staying or visiting here who has a usual home elsewhere.

1. What is the name of each person who was living here on Tuesday, April 1, 1980, or who was staying or visiting here and had no other home?

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Note

If everyone here is staying only temporarily and has a usual home elsewhere, please mark this box ☐.

Then please:

- answer the questions on pages 2 through 5 only, and
- enter the address of your usual home on page 20.

Please continue ↗

Page 2 → *ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3*

Here are the QUESTIONS ↓	These are the columns for ANSWERS → *Please fill one column for each person listed in Question 1.*	PERSON in column 1	PERSON in column 2
		Last name First name Middle initial	Last name First name Middle initial
2. How is this person related to the person in column 1? *Fill one circle.* *If "Other relative" of person in column 1, give exact relationship, such as mother-in-law, niece, grandson, etc.*		*START in this column with the household member (or one of the members) in whose name the home is owned or rented. If there is no such person, start in this column with any adult household member.*	If relative of person in column 1: ○ Husband/wife ○ Father/mother ○ Son/daughter ○ Other relative ○ Brother/sister If not related to person in column 1: ○ Roomer, boarder ○ Other nonrelative ○ Partner, roommate ○ Paid employee
3. Sex *Fill one circle.*		○ Male ■ ○ Female	○ Male ■ ○ Female
4. Is this person — *Fill one circle.*		○ White ○ Asian Indian ○ Black or Negro ○ Hawaiian ○ Japanese ○ Guamanian ○ Chinese ○ Samoan ○ Filipino ○ Eskimo ○ Korean ○ Aleut ○ Vietnamese ○ Other — *Specify* ○ Indian (Amer.) *Print tribe* →	○ White ○ Asian Indian ○ Black or Negro ○ Hawaiian ○ Japanese ○ Guamanian ○ Chinese ○ Samoan ○ Filipino ○ Eskimo ○ Korean ○ Aleut ○ Vietnamese ○ Other — *Specify* ○ Indian (Amer.) *Print tribe* →
5. Age, and month and year of birth *a. Print age at last birthday.* *b. Print month and fill one circle.* *c. Print year in the spaces, and fill one circle below each number.*		a. Age at last birthday b. Month of birth c. Year of birth 1 ● 8 ○ 9 ○ 0 ○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9 ○ ■ ○ Jan.—Mar. ○ Apr.—June ○ July—Sept. ○ Oct.—Dec.	a. Age at last birthday b. Month of birth c. Year of birth 1 ● 8 ○ 9 ○ 0 ○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9 ○ ■ ○ Jan.—Mar. ○ Apr.—June ○ July—Sept. ○ Oct.—Dec.
6. Marital status *Fill one circle.*		○ Now married ○ Separated ○ Widowed ○ Never married ○ Divorced	○ Now married ○ Separated ○ Widowed ○ Never married ○ Divorced
7. Is this person of Spanish/Hispanic origin or descent? *Fill one circle.*		○ No (not Spanish/Hispanic) ○ Yes, Mexican, Mexican-Amer., Chicano ○ Yes, Puerto Rican ■ ○ Yes, Cuban ○ Yes, other Spanish/Hispanic	○ No (not Spanish/Hispanic) ○ Yes, Mexican, Mexican-Amer., Chicano ○ Yes, Puerto Rican ■ ○ Yes, Cuban ○ Yes, other Spanish/Hispanic
8. Since February 1, 1980, has this person attended regular school or college at any time? *Fill one circle. Count nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree.*		○ No, has not attended since February 1 ○ Yes, public school, public college ○ Yes, private, church-related ○ Yes, private, not church-related	○ No, has not attended since February 1 ○ Yes, public school, public college ○ Yes, private, church-related ○ Yes, private, not church-related
9. What is the highest grade (or year) of regular school this person has ever attended? *Fill one circle.* *If now attending school, mark grade person is in. If high school was finished by equivalency test (GED), mark "12."*		**Highest grade attended:** ○ Nursery school ○ Kindergarten Elementary through high school *(grade or year)* 1 2 3 4 5 6 7 8 9 10 11 12 ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ College *(academic year)* ■ 1 2 3 4 5 6 7 8 or more ○ ○ ○ ○ ○ ○ ○ ○ ○ Never attended school — *Skip question 10*	**Highest grade attended:** ○ Nursery school ○ Kindergarten Elementary through high school *(grade or year)* 1 2 3 4 5 6 7 8 9 10 11 12 ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ College *(academic year)* ■ 1 2 3 4 5 6 7 8 or more ○ ○ ○ ○ ○ ○ ○ ○ ○ Never attended school — *Skip question 10*
10. Did this person finish the highest grade (or year) attended? *Fill one circle.*		○ Now attending this grade *(or year)* ○ Finished this grade *(or year)* ○ Did not finish this grade *(or year)*	○ Now attending this grade *(or year)* ○ Finished this grade *(or year)* ○ Did not finish this grade *(or year)*
		CENSUS USE ONLY A. ○ I ○ N ○ ○	*CENSUS USE ONLY* A. ○ I ○ N ○ ○

Page 3

PERSON in column 7

Last name

First name — Middle initial

If relative of person in column 1:

- O Husband/wife
- O Son/daughter
- O Brother/sister
- O Father/mother
- O Other relative

If not related to person in column 1:

- O Roomer, boarder
- O Partner, roommate
- O Paid employee
- O Other nonrelative

- O Male
- O Female

- O White
- O Black or Negro
- O Japanese
- O Chinese
- O Filipino
- O Korean
- O Vietnamese
- O Indian (Amer.) *Print tribe* →
- O Asian Indian
- O Hawaiian
- O Guamanian
- O Samoan
- O Eskimo
- O Aleut
- O Other — *Specify*

a. Age at last birthday

b. Month of birth

- O Jan.—Mar.
- O Apr.—June
- O July—Sept.
- O Oct.—Dec.

c. Year of birth

1			
1 ●	8 O	0 O	0 O
	9 O	1 O	1 O
		2 O	2 O
		3 O	3 O
		4 O	4 O
		5 O	5 O
		6 O	6 O
		7 O	7 O
		8 O	8 O
		9 O	9 O

- O Now married
- O Widowed
- O Divorced
- O Separated
- O Never married

- O No (not Spanish/Hispanic)
- O Yes, Mexican, Mexican-Amer., Chicano
- O Yes, Puerto Rican
- O Yes, Cuban
- O Yes, other Spanish/Hispanic

- O No, has not attended since February 1
- O Yes, public school, public college
- O Yes, private, church-related
- O Yes, private, not church-related

Highest grade attended:

O Nursery school O Kindergarten

Elementary through high school *(grade or year)*

1 2 3 4 5 6 7 8 9 10 11 12

College *(academic year)*

1 2 3 4 5 6 7 8 or more

O Never attended school—*Skip question 10*

- O Now attending this grade *(or year)*
- O Finished this grade *(or year)*
- O Did not finish this grade *(or year)*

CENSUS USE ONLY	A.	O I	O N	O O

→ *NOW PLEASE ANSWER QUESTIONS H1—H12 FOR YOUR HOUSEHOLD*

If you listed more than 7 persons in Question 1, please see note on page 20.

H1. Did you leave anyone out of Question 1 because you were not sure if the person should be listed — *for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here once in a while and has no other home?*

- O Yes — *On page 20 give name(s) and reason left out.*
- O No

H2. Did you list anyone in Question 1 who is away from home now — *for example, on a vacation or in a hospital?*

- O Yes — *On page 20 give name(s) and reason person is away.*
- O No

H3. Is anyone visiting here who is not already listed?

- O Yes — *On page 20 give name of each visitor for whom there is no one at the home address to report the person to a census taker.*
- O No

H4. How many living quarters, occupied and vacant, are at this address?

- O One
- O 2 apartments or living quarters
- O 3 apartments or living quarters
- O 4 apartments or living quarters
- O 5 apartments or living quarters
- O 6 apartments or living quarters
- O 7 apartments or living quarters
- O 8 apartments or living quarters
- O 9 apartments or living quarters
- O 10 or more apartments or living quarters
- O This is a mobile home or trailer

H5. Do you enter your living quarters —

- O Directly from the outside or through a common or public hall?
- O Through someone else's living quarters?

H6. Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or shower?

- O Yes, for this household only
- O Yes, but also used by another household
- O No, have some but not all plumbing facilities
- O No plumbing facilities in living quarters

H7. How many rooms do you have in your living quarters? *Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.*

- O 1 room
- O 2 rooms
- O 3 rooms
- O 4 rooms
- O 5 rooms
- O 6 rooms
- O 7 rooms
- O 8 rooms
- O 9 or more rooms

H8. Are your living quarters —

- O Owned or being bought by you or by someone else in this household?
- O Rented for cash rent?
- O Occupied without payment of cash rent?

H9. Is this apartment (house) part of a condominium?

- O No
- O Yes, a condominium

H10. *If this is a one-family house* —

a. **Is the house on a property of 10 or more acres?**

O Yes O No

b. **Is any part of the property used as a commercial establishment or medical office?**

O Yes O No

H11. *If you live in a one-family house or a condominium unit which you own or are buying* —

What is the value of this property, that is, how much do you think this property (house and lot or condominium unit) would sell for if it were for sale?

Do not answer this question if this is —

- A mobile home or trailer
- A house on 10 or more acres
- A house with a commercial establishment or medical office on the property

- O Less than $10,000
- O $10,000 to $14,999
- O $15,000 to $17,499
- O $17,500 to $19,999
- O $20,000 to $22,499
- O $22,500 to $24,999
- O $25,000 to $27,499
- O $27,500 to $29,999
- O $30,000 to $34,999
- O $35,000 to $39,999
- O $40,000 to $44,999
- O $45,000 to $49,999
- O $50,000 to $54,999
- O $55,000 to $59,999
- O $60,000 to $64,999
- O $65,000 to $69,999
- O $70,000 to $74,999
- O $75,000 to $79,999
- O $80,000 to $89,999
- O $90,000 to $99,999
- O $100,000 to $124,999
- O $125,000 to $149,999
- O $150,000 to $199,999
- O $200,000 or more

H12. *If you pay rent for your living quarters* —

What is the monthly rent?

If rent is not paid by the month, see the instruction guide on how to figure a monthly rent.

- O Less than $50
- O $50 to $59
- O $60 to $69
- O $70 to $79
- O $80 to $89
- O $90 to $99
- O $100 to $109
- O $110 to $119
- O $120 to $129
- O $130 to $139
- O $140 to $149
- O $150 to $159
- O $160 to $169
- O $170 to $179
- O $180 to $189
- O $190 to $199
- O $200 to $224
- O $225 to $249
- O $250 to $274
- O $275 to $299
- O $300 to $349
- O $350 to $399
- O $400 to $499
- O $500 or more

FOR CENSUS USE ONLY

A4. Block number	A6. Serial number	B. Type of unit or quarters	For vacant units	D. Months vacant	F. Total persons
0 0 0	0 0 0 0	Occupied: O First form, O Continuation	C1. Is this unit for — O Year round use, O Seasonal/Mig. — *Skip C2, C3, and D.*	O Less than 1 month, O 1 up to 2 months, O 2 up to 6 months, O 6 up to 12 months, O 1 year up to 2 years, O 2 or more years	0 0 0
1 1 1	1 1 1 1	Vacant: O Regular, O Usual home elsewhere	C2. Vacancy status: O For rent, O For sale only, O Rented or sold, not occupied, O Held for occasional use, O Other vacant	E. Indicators: 1. O O Mail return, 2. O O Pop./F	1 1 1
2 2 2	2 2 2 2	Group quarters: O First form, O Continuation	C3. Is this unit boarded up? O Yes O No	O O	2 2 2
3 3 3	3 3 3 3				3 3 3
4 4 4	4 4 4 4				4 4 4
5 5 5	5 5 5 5				5 5 5
6 6 6	6 6 6 6				6 6 6
7 7 7	7 7 7 7				7 7 7
8 8 8	8 8 8 8				8 8 8
9 9 9	9 9 9 9				9 9 9

Page 4

ALSO ANSWER THESE QUESTIONS

H13. Which best describes this building?
Include all apartments, flats, etc., even if vacant.

- ○ A mobile home or trailer
- ○ A one-family house detached from any other house
- ○ A one-family house attached to one or more houses
- ○ A building for 2 families
- ○ A building for 3 or 4 families
- ○ A building for 5 to 9 families
- ○ A building for 10 to 19 families
- ○ A building for 20 to 49 families
- ○ A building for 50 or more families
- ○ A boat, tent, van, etc.

H14a. How many stories (floors) are in this building?
Count an attic or basement as a story if it has any finished rooms for living purposes.

- ○ 1 to 3 — *Skip to H15*
- ○ 4 to 6
- ○ 7 to 12
- ○ 13 or more stories

b. Is there a passenger elevator in this building?

- ○ Yes
- ○ No

H15a. Is this building —

- ○ On a city or suburban lot, or on a place of less than 1 acre? — *Skip to H16*
- ○ On a place of 1 to 9 acres?
- ○ On a place of 10 or more acres?

b. Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —

- ○ Less than $50 (or None)
- ○ $50 to $249
- ○ $250 to $599
- ○ $600 to $999
- ○ $1,000 to $2,499
- ○ $2,500 or more

H16. Do you get water from —

- ○ A public system *(city water department, etc.)* or private company?
- ○ An individual drilled well?
- ○ An individual dug well?
- ○ Some other source *(a spring, creek, river, cistern, etc.)*?

H17. Is this building connected to a public sewer?

- ○ Yes, connected to public sewer
- ○ No, connected to septic tank or cesspool
- ○ No, use other means

H18. About when was this building originally built? *Mark when the building was first constructed, not when it was remodeled, added to, or converted.*

- ○ 1979 or 1980
- ○ 1975 to 1978
- ○ 1970 to 1974
- ○ 1960 to 1969
- ○ 1950 to 1959
- ○ 1940 to 1949
- ○ 1939 or earlier

H19. When did the person listed in column 1 move into this house (or apartment)?

- ○ 1979 or 1980
- ○ 1975 to 1978
- ○ 1970 to 1974
- ○ 1960 to 1969
- ○ 1950 to 1959
- ○ 1949 or earlier
- ○ Always lived here

H20. How are your living quarters heated?
Fill one circle for the kind of heat used most.

- ○ Steam or hot water system
- ○ Central warm-air furnace with ducts to the individual rooms *(Do not count electric heat pumps here)*
- ○ Electric heat pump
- ○ Other built-in electric units *(permanently installed in wall, ceiling, or baseboard)*
- ○ Floor, wall, or pipeless furnace
- ○ Room heaters with flue or vent, burning gas, oil, or kerosene
- ○ Room heaters without flue or vent, burning gas, oil, or kerosene *(not portable)*
- ○ Fireplaces, stoves, or portable room heaters of any kind
- ○ No heating equipment

H21a. Which fuel is used most for house heating?

- ○ Gas: from underground pipes serving the neighborhood
- ○ Gas: bottled, tank, or LP
- ○ Electricity
- ○ Fuel oil, kerosene, etc.
- ○ Coal or coke
- ○ Wood
- ○ Other fuel
- ○ No fuel used

b. Which fuel is used most for water heating?

- ○ Gas: from underground pipes serving the neighborhood
- ○ Gas: bottled, tank, or LP
- ○ Electricity
- ○ Fuel oil, kerosene, etc.
- ○ Coal or coke
- ○ Wood
- ○ Other fuel
- ○ No fuel used

c. Which fuel is used most for cooking?

- ○ Gas: from underground pipes serving the neighborhood
- ○ Gas: bottled, tank, or LP
- ○ Electricity
- ○ Fuel oil, kerosene, etc.
- ○ Coal or coke
- ○ Wood
- ○ Other fuel
- ○ No fuel used

H22. What are the costs of utilities and fuels for your living quarters?

a. Electricity
$ _____ .00 OR
Average monthly cost
- ○ Included in rent or no charge
- ○ Electricity not used

b. Gas
$ _____ .00 OR
Average monthly cost
- ○ Included in rent or no charge
- ○ Gas not used

c. Water
$ _____ .00 OR
Yearly cost
- ○ Included in rent or no charge

d. Oil, coal, kerosene, wood, etc.
$ _____ .00 OR
Yearly cost
- ○ Included in rent or no charge
- ○ These fuels not used

H23. Do you have complete kitchen facilities? *Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.*

- ○ Yes
- ○ No

H24. How many bedrooms do you have?
Count rooms used mainly for sleeping even if used also for other purposes.

- ○ No bedroom
- ○ 1 bedroom
- ○ 2 bedrooms
- ○ 3 bedrooms
- ○ 4 bedrooms
- ○ 5 or more bedrooms

H25. How many bathrooms do you have?
A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.
A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.

- ○ No bathroom, or only a half bathroom
- ○ 1 complete bathroom
- ○ 1 complete bathroom, plus half bath(s)
- ○ 2 or more complete bathrooms

H26. Do you have a telephone in your living quarters?

- ○ Yes
- ○ No

H27. Do you have air conditioning?

- ○ Yes, a central air-conditioning system
- ○ Yes, 1 individual room unit
- ○ Yes, 2 or more individual room units
- ○ No

H28. How many automobiles are kept at home for use by members of your household?

- ○ None
- ○ 1 automobile
- ○ 2 automobiles
- ○ 3 or more automobiles

H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?

- ○ None
- ○ 1 van or truck
- ○ 2 vans or trucks
- ○ 3 or more vans or trucks

CENSUS USE

H22a.

H22b.

H22c.

H22d.

FOR YOUR HOUSEHOLD

Please answer H30—H32 if you live in a one-family house which you own or are buying, unless this is —

- A mobile home or trailer . . . . . .
- A house on 10 or more acres . . . . . .
- A condominium unit . . . . . .
- A house with a commercial establishment or medical office on the property . . . . .

If any of these, or if you rent your unit or this is a multi-family structure, skip H30 to H32 and turn to page 6.

H30. What were the real estate taxes on this property last year?

$ _____ .00 OR ○ None

H31. What is the annual premium for fire and hazard insurance on this property?

$ _____ .00 OR ○ None

H32a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on this property?

○ Yes, mortgage, deed of trust, or similar debt

○ Yes, contract to purchase

○ No — *Skip to page 6*

b. Do you have a second or junior mortgage on this property?

○ Yes ○ No

c. How much is your total regular monthly payment to the lender?
Also include payments on a contract to purchase and to lenders holding second or junior mortgages on this property.

$ _____ .00 OR ○ No regular payment required — *Skip to page 6*

d. Does your regular monthly payment (amount entered in H32c) include payments for real estate taxes on this property?

○ Yes, taxes included in payment

○ No, taxes paid separately or taxes not required

e. Does your regular monthly payment (amount entered in H32c) include payments for fire and hazard insurance on this property?

○ Yes, insurance included in payment

○ No, insurance paid separately or no insurance

Please turn to page 6

FOR CENSUS USE ONLY

	S.S.	2.	4.
1	Yes ○ No ○		
2	Yes ○ No ○		
3	Yes ○ No ○		
4	Yes ○ No ○		
5	Yes ○ No ○		
6	Yes ○ No ○		
7	Yes ○ No ○		

	GQ.	H30.	H31.	H32c.
7				

Page 6 *ANSWER THESE QUESTIONS FOR*

Name of Person 1 on page 2: _____
Last name First name Middle initial

11. In what State or foreign country was this person born?
Print the State where this person's mother was living when this person was born. Do not give the location of the hospital unless the mother's home and the hospital were in the same State.

_____
Name of State or foreign country; or Puerto Rico, Guam, etc.

12. *If this person was born in a foreign country —*
a. Is this person a naturalized citizen of the United States?
- ○ Yes, a naturalized citizen
- ○ No, not a citizen
- ○ Born abroad of American parents

b. When did this person come to the United States to stay?
- ○ 1975 to 1980
- ○ 1970 to 1974
- ○ 1965 to 1969
- ○ 1960 to 1964
- ○ 1950 to 1959
- ○ Before 1950

13a. Does this person speak a language other than English at home?
- ○ Yes
- ○ No, only speaks English — *Skip to 14*

b. What is this language?
_____
(For example — Chinese, Italian, Spanish, etc.)

c. How well does this person speak English?
- ○ Very well
- ○ Well
- ○ Not well
- ○ Not at all

14. What is this person's ancestry? *If uncertain about how to report ancestry, see instruction guide.*
_____
(For example: Afro-Amer., English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)

15a. Did this person live in this house five years ago (April 1, 1975)?
If in college or Armed Forces in April 1975, report place of residence there.
- ○ Born April 1975 or later — *Turn to next page for next person*
- ○ Yes, this house — *Skip to 16*
- ○ No, different house

b. Where did this person live five years ago (April 1, 1975)?
(1) State, foreign country, Puerto Rico, Guam, etc.: _____
(2) County: _____
(3) City, town, village, etc.: _____
(4) Inside the incorporated (legal) limits of that city, town, village, etc.?
- ○ Yes
- ○ No, in unincorporated area

16. When was this person born?
- ○ Born before April 1965 — *Please go on with questions 17-33*
- ○ Born April 1965 or later — *Turn to next page for next person*

17. In April 1975 *(five years ago)* **was this person —**
a. On active duty in the Armed Forces?
- ○ Yes
- ○ No

b. Attending college?
- ○ Yes
- ○ No

c. Working at a job or business?
- ○ Yes, full time
- ○ Yes, part time
- ○ No

18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States?
If service was in National Guard or Reserves only, see instruction guide.
- ○ Yes
- ○ No — *Skip to 19*

b. Was active-duty military service during —
Fill a circle for each period in which this person served.
- ○ May 1975 or later
- ○ Vietnam era *(August 1964–April 1975)*
- ○ February 1955—July 1964
- ○ Korean conflict *(June 1950–January 1955)*
- ○ World War II *(September 1940–July 1947)*
- ○ World War I *(April 1917–November 1918)*
- ○ Any other time

19. Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which . . .

	Yes	No
a. Limits the kind or amount of work this person can do at a job?	○	○
b. Prevents this person from working at a job?	○	○
c. Limits or prevents this person from using public transportation?	○	○

20. *If this person is a female —*
How many babies has she ever had, not counting stillbirths?
Do not count her stepchildren or children she has adopted.

None	1	2	3	4	5	6
○	○	○	○	○	○	○

7	8	9	10	11	12 or more
○	○	○	○	○	○

21. *If this person has ever been married —*
a. Has this person been married more than once?
- ○ Once
- ○ More than once

b. Month and year of marriage? (Month) (Year)
Month and year of first marriage? (Month) (Year)

c. *If married more than once —* **Did the first marriage end because of the death of the husband (or wife)?**
- ○ Yes
- ○ No

22a. Did this person work at any time last week?
- ○ Yes — *Fill this circle if this person worked full time or part time. (Count part-time work such as delivering papers, or helping without pay in a family business or farm. Also count active duty in the Armed Forces.)*
- ○ No — *Fill this circle if this person did not work, or did only own housework, school work, or volunteer work.* *Skip to 25*

b. How many hours did this person work last week (at all jobs)?
Subtract any time off; add overtime or extra hours worked.
_____ Hours

23. At what location did this person work last week?
If this person worked at more than one location, print where he or she worked most last week.
If one location cannot be specified, see instruction guide.

a. Address *(Number and street)* _____
_____
If street address is not known, enter the building name, shopping center, or other physical location description.

b. Name of city, town, village, borough, etc.
_____

c. Is the place of work inside the incorporated (legal) limits of that city, town, village, borough, etc.?
- ○ Yes
- ○ No, in unincorporated area

d. County _____

e. State _____ **f. ZIP Code** _____

24a. Last week, how long did it usually take this person to get from home to work (one way)?
_____ Minutes

b. How did this person usually get to work last week?
If this person used more than one method, give the one usually used for most of the distance.
- ○ Car
- ○ Truck
- ○ Van
- ○ Bus or streetcar
- ○ Railroad
- ○ Subway or elevated
- ○ Taxicab
- ○ Motorcycle
- ○ Bicycle
- ○ Walked only
- ○ Worked at home
- ○ Other — *Specify* _____

If car, truck, or van in 24b, go to 24c. Otherwise, skip to 28.

FOR CENSUS USE ONLY

Per. No.	11.	13b.		14.	15b.	23.	24a.
1	1	1		1	1	1	1
2	2	2		2	2	2	2
3	3	3		3	3	3	3
4	4	4		4	4	4	4
5	5	5		5	5	5	5
6	6	6		6	6	6	6
7	7	7		7	7	7	7
8	8	8		8	8	8	8
9	9	9		9	9	9	9

PERSON 1 ON PAGE 2

c. When going to work last week, did this person usually —

- O Drive alone — *Skip to 28*
- O Share driving
- O Drive others only
- O Ride as passenger only

d. How many people, including this person, usually rode to work in the car, truck, or van last week?

- O 2
- O 3
- O 4
- O 5
- O 6
- O 7 or more

After answering 24d, skip to 28.

25. Was this person temporarily absent or on layoff from a job or business last week?

- O Yes, on layoff
- O Yes, on vacation, temporary illness, labor dispute, etc.
- O No

26a. Has this person been looking for work during the last 4 weeks?

- O Yes
- O No — *Skip to 27*

b. Could this person have taken a job last week?

- O No, already has a job
- O No, temporarily ill
- O No, other reasons *(in school, etc.)*
- O Yes, could have taken a job

27. When did this person last work, even for a few days?

- O 1980
- O 1979
- O 1978
- O 1975 to 1977
- O 1970 to 1974
- O 1969 or earlier
- O Never worked

Skip to 31d

28–30. Current or most recent job activity

Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours. If this person had no job or business last week, give information for last job or business since 1975.

28. Industry

a. For whom did this person work? *If now on active duty in the Armed Forces, print "AF" and skip to question 31.*

(Name of company, business, organization, or other employer)

b. What kind of business or industry was this?

Describe the activity at location where employed.

(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)

c. Is this mainly — *(Fill one circle)*

- Manufacturing
- Wholesale trade
- Retail trade
- Other — *(agriculture, construction, service, government, etc.)*

29. Occupation

a. What kind of work was this person doing?

(For example: Registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, grinder operator)

b. What were this person's most important activities or duties?

(For example: Patient care, directing hiring policies, supervising order clerks, assembling engines, operating grinding mill)

30. Was this person — *(Fill one circle)*

- Employee of private company, business, or individual, for wages, salary, or commissions ..... O
- Federal government employee ..... O
- State government employee ..... O
- Local government employee *(city, county, etc.)* ..... O
- Self-employed in own business, professional practice, or farm —
  - Own business not incorporated ..... O
  - Own business incorporated ..... O
- Working without pay in family business or farm ..... O

CENSUS USE

21b. I O II O III O IV O

22b. 1 I 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9

28. A B C D E F G H J K L M AF O NW O

29. N P Q R S T U V W X Y Z

31a. Last year (1979), did this person work, even for a few days, at a paid job or in a business or farm?

- O Yes
- O No — *Skip to 31d*

b. How many weeks did this person work in 1979?

Count paid vacation, paid sick leave, and military service.

_____ Weeks

c. During the weeks worked in 1979, how many hours did this person usually work each week?

_____ Hours

d. Of the weeks not worked in 1979 (if any), how many weeks was this person looking for work or on layoff from a job?

_____ Weeks

32. Income in 1979 —

Fill circles and print dollar amounts.
If net income was a loss, write "Loss" above the dollar amount.
If exact amount is not known, give best estimate. For income received jointly by household members, see instruction guide.

During 1979 did this person receive any income from the following sources?

If "Yes" to any of the sources below — **How much did this person receive for the entire year?**

a. Wages, salary, commissions, bonuses, or tips from all jobs . . . *Report amount before deductions for taxes, bonds, dues, or other items.*

O Yes → $ .00 *(Annual amount – Dollars)*
O No

b. Own nonfarm business, partnership, or professional practice . . . *Report net income after business expenses.*

O Yes → $ .00 *(Annual amount – Dollars)*
O No

c. Own farm. . .

Report net income after operating expenses. Include earnings as a tenant farmer or sharecropper.

O Yes → $ .00 *(Annual amount – Dollars)*
O No

d. Interest, dividends, royalties, or net rental income . . .

Report even small amounts credited to an account.

O Yes → $ .00 *(Annual amount – Dollars)*
O No

e. Social Security or Railroad Retirement . . .

O Yes → $ .00 *(Annual amount – Dollars)*
O No

f. Supplemental Security (SSI), Aid to Families with Dependent Children (AFDC), or other public assistance or public welfare payments . . .

O Yes → $ .00 *(Annual amount – Dollars)*
O No

g. Unemployment compensation, veterans' payments, pensions, alimony or child support, or any other sources of income received regularly . . .

Exclude lump-sum payments such as money from an inheritance or the sale of a home.

O Yes → $ .00 *(Annual amount – Dollars)*
O No

33. What was this person's total income in 1979?

Add entries in questions 32a through g; subtract any losses.

$ .00 *(Annual amount – Dollars)*

If total amount was a loss, write "Loss" above amount.

OR O None

CENSUS USE ONLY

31b. 1 2 3 4 5 6 7 8 9

31c. 1 2 3 4 5 6 7 8 9

31d. 1 2 3 4 5 6 7 8 9

32a. 0 1 2 3 4 5 6 7 8 9 A O

32b. 0 1 2 3 4 5 6 7 8 9 O A O

32c. 0 1 2 3 4 5 6 7 8 9 O A O

32d. 0 1 2 3 4 5 6 7 8 9 O A O

32e. 0 1 2 3 4 5 6 7 8 9

32f. 0 1 2 3 4 5 6 7 8 9

32g. 0 1 2 3 4 5 6 7 8 9

33. 0 1 2 3 4 5 6 7 8 9 O A O

➜ *Please turn to the next page and answer the questions for Person 2 on page 2*

Appendix F.—Publication and Computer Tape Program

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GENERAL

The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing, 1980 Census of Population, and 1980 Census of Housing.* The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

PUBLICATIONS

Population and Housing Census Reports

PHC80-1, Block Statistics—These reports, which are issued on microfiche rather

than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

PHC80-2, Census Tracts—Statistics for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas—Statistics are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico. This series does not include a U.S. Summary.

PHC80-4, Congressional Districts of the 98th Congress—These reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics—This report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special subsample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics—These reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White; Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

Population Census Reports

PC80-1, Volume 1, Characteristics of the Population—This volume presents final population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

PC80-1-A, Chapter A, Number of Inhabitants—Final population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

PC80-1-B, Chapter B, General Population Characteristics—Statistics on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,

SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

PC80-1-C, Chapter C, General Social and Economic Characteristics—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

PC80-1-D, Chapter D, Detailed Population Characteristics—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

PC80-2, Volume 2, Subject Reports—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

PC80-S1, Supplementary Reports—These reports present special compilations of 1980 census statistics dealing with specific population subjects.

Housing Census Reports

HC80-1, Volume 1, Characteristics of Housing Units—This volume presents final housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

HC80-1-A, Chapter A, General Housing Characteristics—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

HC80-1-B, Chapter B, Detailed Housing Characteristics—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

HC80-2, Volume 2, Metropolitan Housing Characteristics—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

HC80-3, Volume 3, Subject Reports—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

HC80-4, Volume 4, Components of Inventory Change—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)

with populations of 1 million or more at the time of the 1970 census, and part B presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

HC80-5, Volume 5, Residential Finance—This volume consists of one report presenting statistics on the financing of nonfarm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

HC80-S1-1, Supplementary Reports—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

Evaluation and Reference Reports

PHC80-E, Evaluation and Research Reports—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

PHC80-R, Reference Reports—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

PHC80-R1, Users' Guide—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in looseleaf form and sold in parts (R1-A, B, etc.) as they are printed.

PHC80-R2, History—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

PHC80-R3, Alphabetical Index of Industries and Occupations—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

PHC80-R4, Classified Index of Industries and Occupations—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

PHC80-R5, Geographic Identification Code Scheme—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

COMPUTER TAPES

Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the PHC80-R1, *Users' Guide.*

STF 1—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

STF 2—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

STF 3—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.

STF 4—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

STF 5—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

Other Computer Tape Files

P.L. 94-171, Population Counts—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

Master Area Reference Files 1 and 2 (MARF)

MARF 1—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

MARF 2—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

Geographic Base File/Dual Independent Map Encoding (GBF/DIME)—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

Public-Use Microdata Samples—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

Census/EEO Special File—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

STF 1 Microfiche—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

STF 3 Microfiche—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

P.L. 94-171 Counts Microfiche—The data from the P.L. 94-171 computer file are presented in a listing format.

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