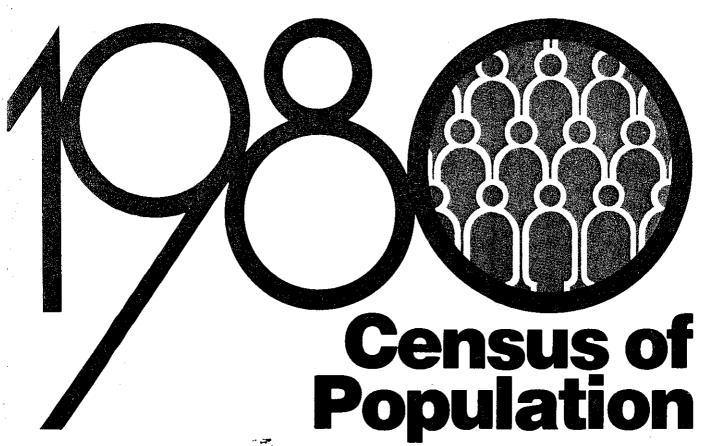
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CHARACTERISTICS OF THE POPULATION

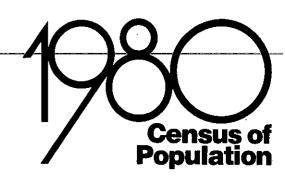
# General Population Characteristics

# **NORTHERN MARIANA ISLANDS**



entral Statistics Division
Department of Commerce & Labor
Capitol Hill Saipan, MP 96950

U.S. Department of Commerce BUREAU OF THE CENSUS



VOLUME 1
CHARACTERISTICS OF THE POPULATION

CHAPTER B

# General Population Characteristics

PART 57A

### NORTHERN MARIANA ISLANDS

PC80-1-B57A

Issued April 1983



U.S. Department of Commerce

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Responsibility for developing the population portion of the 1980 census questionnaire content and designing the tabulations was in the Population Division, under the supervision of Meyer Zitter, then Chief, Paula J. Schneider, Staff Assistant for Census Programs, Roger A. Herriot, Nampeo D. McKenney, and Arthur J. Norton, Assistant Chiefs. This report was prepared by Cynthla M. Taeuber, assisted by Michael J. Levin and Peggy Payne. Important contributions were provided by Patricia A. Berman, Robert O. Grymes, and Gloria J. Porter.

Responsibility for the overall planning, data collection, coordination, and processing of the 1980 census was in the Decennial Census Division under the direction of Gerald J. Post, then Acting Chief, assisted by Marie G. Argana, Rachel F. Brown, Donald R. Dalzell, H. Ray Dennis, Leonard Goldberg, Morris Gorinson, Earle B. Knapp, Jr., and Roger O. Lepage. The Outlying Areas Branch was under the direction of Carmina Fernández Young, then Chief, assisted by Imma F. Harahush and Ángel M. Landrón.

Data collection was carried out by the government of each Area through a special agreement with the following Governors or High Commissioner: Honorable Peter T. Coleman, Governor of American Samoa, assisted by Joseph M. Pereira, Census Coordinator; Honorable Paul M. Calvo, then Governor of Guam, assisted by Joseph T. Flores, Census Coordinator; Honorable Carlos S. Camacho, then Governor of the Northern Mariana Islands,

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Many other persons participated in tivarious activities of the 1980 census. For a li of key personnel, refer to the History of ti 1980 Census of Population and Housin (PHC80-R2).

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#### **GENERAL**

This report presents data from the 1980 Census of Population on basic demographic characteristics of the inhabitants of the Area, its subdivisions, places, and certain other geographic areas (e.g., urban and rural portions of the Area). The abbreviated identification for this report is PC80-1-B (i.e., Population Census, 1980-Volume 1-Chapter B) followed by a number representing the Area. Legal provision for this census, which was conducted as of April 1, 1980 (September 15, 1980 for the Trust Territory of the Pacific Islands, excluding the Northern Mariana Islands), was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

A large portion of the information compiled from the 1980 Census of Population will appear in Volume 1, Characteristics of the Population, of which this report is part.

For the Virgin Islands of the United States, Guam, and American Samoa, the 1980 census figures presented may differ from those shown in the Advance Reports, PHC80-V. In the case of the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands, the figures may differ from those shown in the Press Releases with final counts. The changes reflect corrections of errors found after the PHC80-V reports and press releases were prepared. The changes may affect any geographic area shown in this report.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census and consultation with a wide variety of users of census data. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes, however, do not affect to any appreciable extent the comparability between the 1980 and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

#### CONTENTS OF THE REPORT

This report contains a text (this introduction and five appendixes), a table of contents, maps, detailed tables and 4 tables covering substitutions and allocations (see Appendix D, "Accuracy of the Data"). Each table is identified by a table number and title. The "stubhead" at the left under the title defines the types of geographic areas for which data are shown in the particular table and is considered part of the table title.

The first table in this report is table 14; tables 1 to 13 appear in the *Number of Inhabitants*, PC80-1-A report for this Area. Data are presented in this report on age, sex, relationship to householder, and marital status. Data on race and Spanish origin are also presented for the Virgin Islands of the United States. The tables are followed by a map section which includes:

 A map legend for the administrative district subdivision map.  A one-page administrative district subdivision map that shows the names and boundaries of municipalities, municipal districts, and places, as recognized by the Census Bureau.

The appendixes appear last in the report. Appendix A describes the various area classifications (e.g., urban and rural residence, minor civil divisions, and places). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data, editing procedures, and a description of allocation and substitution tables B-1 to B-4. Appendix E contains facsimiles of the 1980 census questionnaire pages showing the population questions from which the data in this report were derived.

# SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash "-" represents zero or a percent which rounds to less than 0.1.
- Three dots "..." mean not applicable, or that the data are being withheld to avoid disclosure of information for individuals. (For further information on disclosure, see the section below on "Suppression of Data for Confidentiality.")
- (NA) means not available.
- A minus sign preceding a figure denotes decrease.
- CDP is census designated place.
- (unorg.) is unorganized territory.

# SUPPRESSION OF DATA FOR CONFIDENTIALITY

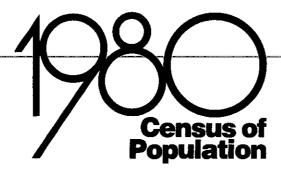
In order to maintain the confidentiality promised respondents and required by law, the Bureau of the Census takes precautions to make sure that its published data do not disclose information about particular individuals and housing units. To accomplish this, the Census Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions both primary and complementary suppression may take place.

The general rules of primary suppression are: counts of total persons are never

suppressed; characteristics for persons are shown only if there are 15 or more persons in the geographic area; counts of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are five or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least five occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least five or the number of renters is also at least five. These primary suppression criteria are applied independently of on another.

For the Virgin Islands of the United States, counts of total population by race and Spanish origin are never suppressed Population and occupied housing unitheracteristics cross-classified by race of Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of scrutiny. This level requires that the 15-person of the 5-housing unit criteria stated above by applied individually to each race or Spanish origin category.

Finally, complementary suppression i applied to prevent the derivation of pr mary suppressed data by subtraction.



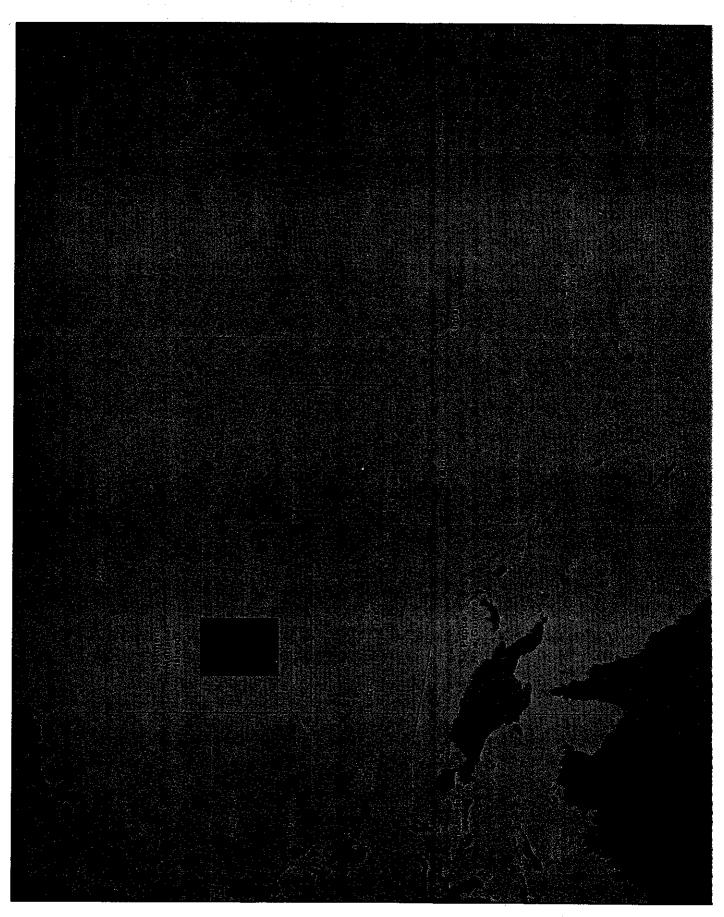
# General Population Characteristics

# NORTHERN MARIANA ISLANDS

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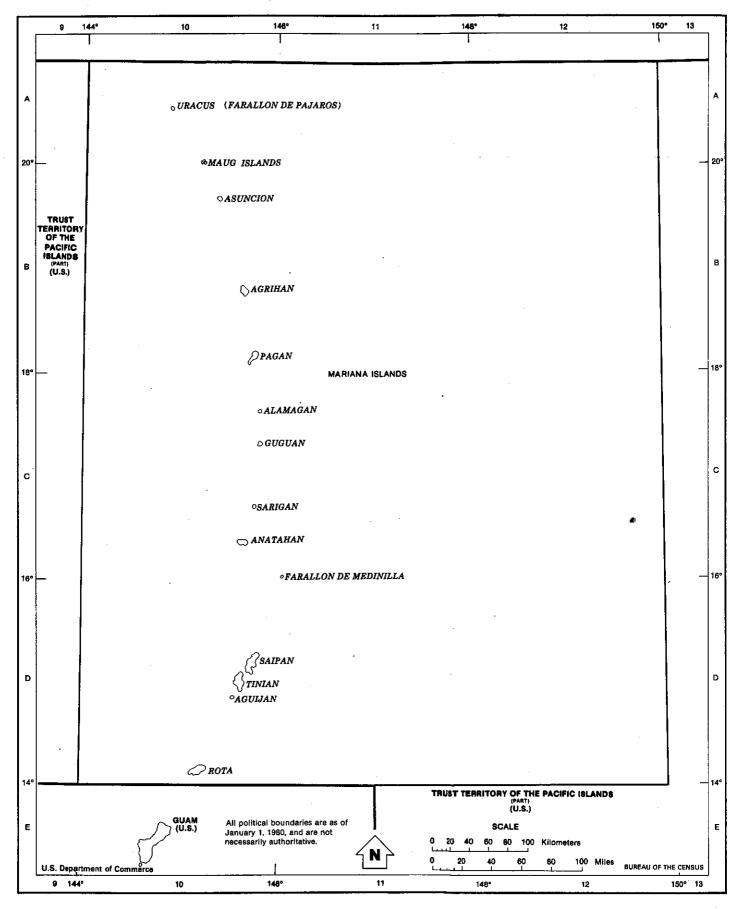
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	The Area	_		me Alea				
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**57A-2 NORTHERN MARIANA ISLANDS** 

# Northern Mariana Islands, Trust Territory of the Pacific Islands



#### CORRECTION NOTE

Any corrections to the 1980 census counts of the total population shown in this report made after the report is printed are available by writing to Data User Services Division, Customer Services (Corrections), Bureau of the Census, Washington, D.C. 20233.

Table 14. Summary of General Characteristics: 1980

					Persons				,		Househ	olds
The Area Urban and Rural and Size of Place Places Municipalities			Percent .					15 years and over— Percent now married, including consensually married and separated		quarters		
14100000 bannan	Total	Under 18 years	18 to 64 years	65 years and over	Median age	fertility ratio	Male	Female	Total	Percent of total persons	Tọtal	Persons per household
The Area	16 780	47.1	50.0	2.9	19.6	642	61.7	57.8	546	3.3	3 028	5.36
URBAN AND RURAL AND SIZE OF PLACE												
Urben Rurel Pisces of 1,000 to 2,500 Other rural	2 678 14 102 6 235 7 867	44.1 47.6 46.8 48.3	<b>51.6</b> <b>49.7</b> 50.4 49.1	4.3 2.7 2.8 2.6	<b>20.7</b> <b>19.3</b> 20.1 18.9	<b>591</b> <b>652</b> 656 648	<b>57.3</b> <b>62.6</b> 64.6 60.8	54.2 58.6 60.2 57.4	58 488 297 191	2.2 3.5 4.8 2.4	497 2 531 1 141 1 390	5.27 5.38 5.20 5.52
PLACES												ŀ
Capital Hill (CDP) Cholan Kanaa (CDP) Garapan (CDP) San Antonio (CDP) San Jose (CDP) San Roque (CDP) San Vicente (CDP) San Vicente (CDP) Surgong (CDP) Surgong (CDP) Tinian Village (CDP)	592 2 678 2 063 1 257 808 623 1 674 1 241 722 917 707	44.6 44.1 47.4 44.7 47.5 50.9 48.1 46.2 46.7 49.6 52.3	53.7 51.6 50.3 52.7 49.4 45.6 49.8 48.9 51.2 47.9 43.4	1.7 4.3 2.4 2.5 3.1 3.5 2.1 4.9 2.1 2.5 4.2	21.2 20.7 20.2 20.7 19.6 17.7 19.1 20.4 20.1 18.1 16.8	352 591 600 642 505 711 673 755 665 708 766	63.8 57.3 67.8 62.8 58.2 58.5 64.4 62.0 60.6 54.2 57.3	59.7 54.2 60.4 60.3 49.2 56.3 61.4 58.2 56.7 54.9	58 62 94 19 4 113 28 13	2.2 3.0 7.5 2.4 0.6 6.8 2.3 1.8	132 497 395 224 123 104 293 229 134 140 123	4.48 5.27 5.07 5.19 6.41 5.95 5.33 5.30 5.29 6.55 5.75
MUNICIPALITIES												
Mariana Islands District	16 780 104 1 261 14 549 866	47.1 63.5 46.3 46.8 50.2	50.0 35.6 48.8 50.4 46.0	2.9 1.0 4.9 2.7 3.8	19.6 11.8 20.4 19.7 17.8	642 1 231 778 622 798	61.7 50.0 62.0 61.6 63.6	57.8 68.8 58.6 57.4 64.9	546 28 487 31	3.3 - 2.2 3.3 3.6	3 028 13 233 2 632 150	5.36 8.00 5.29 5.34 5.57

	(for meaning of symbols, see	Introduction. For definitions of term	ns, see appendixes A and B)							
Maria Maria	,	Mariana Islands District								
The Area Municipalities	The Area	Total	Northern Islands municipality	Rota municipality	Saipan municipality	Tinian municipal				
AGE						•				
Total persons	1 463 1 303 864 824 660 496 388 267 228 139 128 9 559 19.6 7 963 1 190 1 108 1 074 861 803 710	16 780 2 464 2 148 2 148 2 193 1 703 1 512 1 463 1 303 864 824 660 496 388 2267 228 139 128 9 599 19.6 7 963 1 190 1 108 1 074 861 803 7710	104 166 129 17 9 7 4 8 4 4 2 2 3 1 1 - 1 - 40 8 11.8 44 6 13 9 3 3 3 1 1	1 261 196 163 149 1114 1113 113 87 52 60 59 34 29 32 28 16 18 727 20.4 565 87 88 74 58 58 58	14 549 2 122 1 830 1 902 1 501 1 327 1 274 1 147 773 724 573 430 326 221 187 107 105 8 366 19.7 6 963 1 028 951 932 762 710 620 507	444 17 38 C				
30 to 34 years 35 to 39 years 40 to 44 years 55 to 59 years 55 to 59 years 60 to 64 years 70 to 74 years 75 years and over 16 years and over	560 344 304 256 181 163 142 109 74 84 4 402 18.3	560 344 304 256 181 163 142 109 74 84 4 402 18.3	3 2 - 1 1 - - 1 - 1 5 11.3	29 15 19 21 8 12 17 16 8 8 308	507 314 272 225 165 138 120 89 58 72 3 888 18.5	15				
HOUSEHOLD TYPE AND RELATIONSHIP										
In households Householder Nonfamily householder Spouse Other relatives Nonrelatives Persons per household Persons per family Persons per family Nonrelatives Nonr	16 780 16 234 3 028 376 2 113 10 282 811 319 507 5.36 5.67 7 898 15 6 341 5 552 519 1 424 115 3 495 148 60 75 145 22 159	16 780 116 234 3 028 3 376 2 113 10 282 811 319 507 5.36 5.67 7 898 15 6 341 5 352 519 1 424 115 3 495 148 60 75 145 222 15	104 104 103 12 10 72 9 8.00 8.45 66 62 59 4 1	1 261 1 233 233 45 146 780 74 	14 549 14 062 2 632 3 12 1 841 8 906 683 39 448 5.34 5.63 6 813 1 35 446 4 729 473 1 253 98 3 399 122 49 57 127 15 9	86 86 86 86 86 12 11 15 5.1 5.1 5.1 6				
Famale Immate of institution	24 4 2 2 2 652 1 969 1 237 2 113 1 691 1 128 321 161 161 68	24 4 2 2 652 1 969 1 237 2 113 1 691 1 128 321 181 68	- - 11 10 7 10 9 7 -	9 - 188 131 84 146 117 78 25 11	2 320 1 727 1 081 1 473 984 286 165	12 10 6 11 9 5				
MARITAL STATUS  Mode, 15 years and over  Single Now married, except separated Consensually married Separated Widowed Divorced Female, 15 years and ever Single Now married, except separated	5 384 1 888 3 257 262 65 128 46 4 591 1 574 2 572	5 384 1 888 3 257 282 65 128 46 4 591 1 574 2 572	- 26 13 13 1  - 16 5	5 432 142 264 24 4 16 6 321 98 179	59  4 643 1 643 2 805 243 56 101 38 4 052 1 413 2 252	26 5 17 1 1 20 5				
Consensually married. Separated. Widowed Divorced.	271 83 299 63	271 83 299 63	1 - - -	14 9 33 2	242 73 253 61	1				

Table 16. Single Years of Age by Sex: 1980

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]  The Area  Mariana Islands District												
The Area		The Area				Mariana Islands	<del></del>					
Municipalities	B. 4	11-1-	F	Both sexes	Total Male	Female	Both sexes	Male	Female			
•	Both sexes	Male	Female					**				
Total persens	16 780 518 485 508 478 475 428 449	271 271 248 266 246 243 194 225 220	7 763 247 237 242 232 232 234 224 220	16 780 518 485 508 478 475 428 449 440	8 817 271 248 266 246 243 194 225 220 195	7 963 247 237 242 232 232 234 224 220 201	104 4 1 1 5 2 4 6 6	50 4 1 2 1 2 2 4 3	44 - 31 22 3 - 2			
8 years	396 435 441 473 429 444	195 206 228 264 207 214	201 229 213 209 222 230	396 435 441 473 429 444	206 228 264 207 214	229 213 209 222 230	9 3 5 4 2	2 3 1 2 2 2	6 2 3 2			
1 4 years	406 376 364 353 320 290	206 187 189 157 156 153	200 189 175 196 164 137	406 376 364 353 320 290	206 187 189 157 156 153	200 189 175 196 164 137	3 2 1 4 1	1 1 1 3 -	2 1 - 1 1			
20 years	306 286 282 334 304 277 308 310 260 268	152 134 135 164 124 147 156 163 136	154 152 147 170 180 150 152 147 124	306 286 282 334 304 297 308 310 260 288	134 135 164 124 147 156 163 136 151	152 147 170 180 150 152 147 124 137	1 1 1	1 1 1	1			
30 years	269 297 280 269 188 168 170 180 176	136 180 150 161 116 100 104 110 100	133 117 130 108 72 68 66 70	269 297 280 269 188 168 170 180 176	136 180 150 161 116 100 104 110 100	133 117 130 108 72 68 66 70 76 64	3 2 3 - 2 2	222	1 - 1			
40 yeors	179 175 155 160 155 136 162 121 124 117	121 113 69 101 96 82 109 69 74	58 62 66 59 59 54 53 52 50 47	179 175 155 160 155 136 162 121 124	121 113 89 101 96 82 109 69 74	58 62 66 59 59 54 53 52 50	- 1 1 1 - -	- 1 1 - -	-			
50 years	114 109 97 102 74 87 80 77 72 72	65 71 59 66 54 53 51 43 35 43	49 38 38 36 20 34 29 34 29	114 109 97 102 74 87 80 77 72 72	65 71 59 66 54 53 51 43 35 43	49 38 38 36 20 34 29 34 37	1	1	1			
60 years	54 50 60 62 41 49 33 62 42 42	21 25 31 31 17 22 16 35 23 23	33 25 29 31 24 27 17 27 19	54 50 60 62 41 49 33 62 42 42	21 25 31 31 17 22 16 35 23 23	33 25 29 31 24 27 17 27 19	-		-			
70 years	37 28 32 15 27 19 14 18 7	18 12 16 6 13 9 5 6	19 16 16 9 14 10 9 12 6	37 28 32 15 27 19 14 18 7 20	18 12 16 6 13 9 5 6 1	19 16 16 9 14 10 9 12 6	1	-	1			
80 years	6 9 7 7 7 3 2 2 2 2	23 - 25 - 1 1 2 1	4 6 7 5 2 3 1 1 1 1	6 9 7 7 7 3 2 2 2 2	23 - 25 - 1 2 1	4 6 7 7 5 2 3 1 1 1	-	-	-			
90 to 94 years 95 to 99 years 100 years and over Median	3 - 19.6	20.9	3 - - 18.3	3 - - 19.6	20.9	18.3	11.8	12.5	11.3			

	For meaning of symbols,	see Introduction. For defin	ations of terms,				<del> </del>	<del></del>	
					Islands District—Con.	<del></del>			·
The Area Municipalities	R	ota municipality			ipan municipality			inian municipality	
teressel anno-	Both sexes	Male	Female	Bath sexes	Male	Female	Both sexes	Male	Fernale
Total persons Under 1 year 1 year	1 261 43 35 58 35 25 35	<b>696</b> 25 18	565 18 17 27	14 549 439 427 415	7 586 228 218 217	6 963 211 209 198	365 32 22 30 23 23 25 31	<b>475</b> 14 11 16	<b>39</b> 1 16 11 14
2 years	35 35	31 19 16	16	418 423	215 216	203 207	23 23	11 9	12 14
4 years 5 years	35 35	12	23 18	362 374	164 186	198 188	25 31	14 16	11
6 years 7 years	38 31	20 18	13 15	381	187	194	24 19	11 8	15 13 11
8 years	31 28	16 14	15 14	342 371	169 173	173 198	27	16	ii
9 years	28	14	14	378	195	183	32	18 16	]2 15
11 years	34	17 13	17	406 373	230 177	176 196	28 25	15 1 <u>5</u> .	- 18 - 10 11 7
12 years 13 years	27 31	14 17	14   17	387 358	189 17 <del>9</del>	198   179	24 16	9	
14 years	29 26 29	13	13	329	165 15B	164 154	19 22	· 8	11 £
16 years	1 21	16 9	12 13 13 12	312 318	13 <b>9</b>	179	13	8	
18 years	18 20	8 10	10 10	285 257	138 139	147 118	13 12	á	ì
20 years		8	15	267	137	130	12	5	-
21 years	22	12 12	10 13	252 242	114 115	138 127	12 13	8 7	:
22 years	23	i4 7	9    11	296 270	144 107	152 163	14 16	5 10	í
24 years 25 years	26	12	14	254	128 131	126 130	16 19		ţ
26 years	23 22 25 23 18 26 27 20 25	14 11	13	261 271	143 115	128 110	19 9	, 9 5	10
28 years 29 years	25 15	15 9	10	225 263	137	126	9	4	
30 years	12	8	4	240	117	123	17 14	11 B	
31 years	17	10 16	7 10	263 241	161 125	102   116	13	9	
32 years33 years	26 25 7	18 6	7	232 171	135 102	97 69	10 7	6	,
34 years 35 years	1 4	3	i	155 152	91 92	64 60	9 6	6 3	
36 years	12 10	9 .7	3	161	97	64 71	7 6	5 3	
38 years	15 11	13 5	2 6	155 150	84 95	55	ž	5	
40 years	12	8	4	162	108	54	5	5 8	
41 years	12	11	6	154 134	99 76	55 58	6	١	
42 years	11	· <u>9</u>	2 4	136 138	76 84 85 66	52 53	13 5	8 . 3	
44 years 45 years	11 15	າູສ໌	2	117	66	51 48	3	2 4	
46 years47 years	16	11 .3	5	142 109	94 64 63	45	5	2	
48 years49 years	. 1 . 2	4 7	5 5	106 99	63 61	43 38	5	ź	
50 years	1 _	3	4	101	58	43	5	4	
51 years52 years	·1 <u>′</u>	7	1	94 85	58 57 49 57 44 46 43 33	37 36	2	6	
53 years	.1 8	é	2	87 63	57 44	30 19	7	3	
54 years55 years	.[ 6	5	į	75 67	46 43	29 24	6 8	2 5	
56 years57 years		4	4	61	33	28 31	8	6	
58 years	4	4	5 -	62 61	31 35	26	ě	4	
60 years	.] 6	2	4	44 44	16	28 22	3 1	2 1	
61 years	.	2 5	3 4	· 49	16 22 24 25 14	25	2 6	2	
63 years64 years	.  ≥	3	2 4	51 33	25 14	26 19	ì	-	
65 years	-  3	1 .	2 3	44 21	20 10	24 11	7	4	
66 years67 years	-  8	4	4 5	21 52 35 35	29 21	23 14	2	2 1	
68 years69 years	ة إ	4	ž	35	18	17	1	1	
70 years		2	-	29 21	12 7	17 14	6 3	4 2	
71 years 72 years	- 1 2	ĭ	<u> </u>	28 11	15 6	13	2	_	
73 years	4	2	2	18	ğ	ý	4	2	
75 years 76 years	- l 2	2 1	- 1	17 12	4	10 .8			
77 years	- 3	2	1	14 5	3 -	11 5		-	
78 years	- 4	i	3	16 ,	5	11	_	-	
80 years		7 - 2	- 1	6 В	2 3	4 5	_	<del>-</del>	
81 years 82 years	-1 !	=	i	5 5	- 2	5	}	Ξ	
83 years 84 years	-1 !	2	-	5	3	2 3	<u> </u>	-	
85 years 86 years	-1 -	<del>-</del> -	_	3 2	1	i	] =	-	
87 years	-l <del>,</del>	ī	_	2	) 1	1 -	_	=	
88 years		<u>-</u>	_	2	1	1		_	
90 to 94 years	·-		-	2 -	-	2	-	_	
95 to 99 years 100 years and over	<b>=</b>	_ <del>-</del>	-	-	-	_	1	-	
Median	20.4	22.7	18.0	19.7	20.8	18.5	17.8	20.9	1.

Table 17. General Characteristics of Persons for Places: 1980

Table 17. General Character	tor manning of	symbols; see-Introdu	ctionFor-defin	itions of terms	see appendixes A	and B)					
Places	Capital Hill (CDP)	Chalan Kanoa (CDP)		San Antonio (CDP)	San Jose (CDP)	San Roque (CDP)	San Vicente (CDP)	Songsong (CDP)	Susupe (CDP)	Tanapag (CDP)	Tinian Village (CDP)
### Total persons  Under 5 years	592 57 71 85 72 37 30 45 25 23 25 14 360 21,2 304 44 45 41 18	50 31 35 1 625 20.7 1 309 196 151 158 155 139 102 83 50 44 41 42 42 42 42 42 42 42 42 43 44 40 42 42 42 42 42 43 46 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	2 863 297 282 273 175 125 196 218 150 121 73 46 34 24 21 16 1 161 20.2 972 138 140 133 103 65 61 42 25 61 61 61 61 61 61 61 61 61 61 61 61 61	1 257 170 156 156 156 129 122 108 194 72 87 64 41 16 10 14 9 9 752 20.7 77 74 75 22 31 16 33 63 3 7 7 3 3 3 18 3 3 4 3 18 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	808 109 89 115 98 99 115 98 99 115 6 31 116 12 6 13 5 7 467 19.6 407 52 52 52 52 52 59 50 60 60 60 60 60 60 60 60 60 60 60 60 60	623 91 92 85 85 85 87 33 25 16 15 9 12 4 4 343 17,7 296 4 4 4 4 4 4 4 4 1 1 7 6 6 5 8 8 1 1 7 7 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 674 266 213 218 158 168 169 135 53 32 25 19 10 6 938 19.1 807 124 122 103 77 81 64 30 21 23 11 24 30 11 24 30 11 31 41 41 41 41 41 41 41 41 41 41 41 41 41	30:	333 348 444 440 333 388 266 277 188 1297 773 352 363 3773 364 3773 3773 3773 3773 3773 3	917 153 128 121 108 92 78 35 36 35 36 32 21 14 12 29 23 3 8 50 18.1 449 58 57 63 55 46 49 10 9 9 10 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	707 105 103 114 70 56 59 46 24 22 20 20 20 20 12 14 4 368 16.8 333 57 28 19 12 11 18 16 16 16 16 16 16 16 16 16 16 16 16 16
Median	555 13 10 33 33 4.4 4.2 2 2	2 2 678 2 2 620 2 497 2 8 58 8 58 90 323 77 1 666 133 134 - 58 48 5.27	2 063 2 001 395 69 270 1 198 138 62 5.07 5.50 977 4 811 714 64 142 20 -	1 257 1 163 224 247 145 738 56 -94 5.19 5.48 552 -483 375 49 79 	25 8 2 4 10 1	2	222 222 966 67 21 8: 8: 5.3: 5.4: 7 <b>80</b> 68 59 59 50 10 10 10 10 10 10 10 10 10 10 10 10 10	1 21: 22: 4 14 76 76 7 3 5.3 5.9 6 6 57 44 40 10	3   709   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   134   15   15   15   15   15   15   15   1	917 140 6 102 653 22 2 6.55 2 6.65 2 6.66 3 10 2 7 4 5 1 2 3 3 1 5 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	123 111 97 450 37 
FAMILY TYPE BY PRESENCE OF OWN CHILDRI  Families  With own children under 18 years  With own children under 6 years  With own children under 18 years  With own children under 18 years  With own children under 6 years  Female householder, no husband present  With own children under 18 years  With own children under 18 years	N	114 439 82 289 42 167 100 323 74 237 39 148 8 76 6 36 3 12	17 27 21 15 3	5   151 0   98 0   141 7   122 1   81 4   2	8 86 8 46 5 95 2 74 3 44 7 13		71 2 44 1 74 2 63 1 42 1	07 1 49 28	128 81 143 114 75	90   10 58 95   10 83 55	34 112 24 85 666 52 97 85 77 661 47 19 8
Male, 15 years and over  Male, 15 years and over  Single		191 80 67 27 112 42 4 4	18 2 4 3 2 4 4 5 4 5	61 36 89 16 23 18	99 99 14. 20 2 2 8 9 9 11 80 11 22 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7   15   16   16   16   16   16   16   16	86 01 8 5 3 3 3	72	141 260 24 4 15 6 318	81   137   8   - 4   4   4   4   4   4   4   4   4	262 213 11 80 40 117 32 11 2 5 8 9 1 2 2 253 172 93 50 124 110 27 12 5 1 13 11

Table 18. Single Years of Age by Sex for Places: 1980

	.(For meaning of sy		tionFor-de			and 8)		· · · · · · · · · · · · · · · · · · ·				
Places		ppital Hill (CDP)		Chal	an Kanoa (CDP)	*	G	arapan (CDP)		San	Antonio (CDP)	
	Both sexes	Male	Female	Both sexes	Male	Fernale	Both sexes	Male	Female	Both sexes	Male	Fernal
Total persons	<b>592</b> 8 12 9	286 5 5 5	<b>306</b> 3 7 4	2 678 74 73 77	1 369 33 35 39	1 309 41 38 38	2 063 56 66 51	1 091 24 32	972 32 34	1 257 35 39	<b>728</b> 22 17	529 15 25
3 yeors 4 yeors 5 yeors 6 yeors	10 18 14 14	3 7 10 5	7 11 4 9	64 75 58 59 68 54 64	28 32 27 29 34 30 32	36 43 31	67 57 60 59	28 45 30 29 33	32 34 23 22 27 31	33 31 32 25	18 16 20 13 23 15	16 23 15 15 12 12 13 16
7 years	12 10 21	6 4 6	6 ,15			30 34 24 32	50 56 57	31 24 25	26 19 32 32	36 31 31 33	15 17 14	13 1 <i>é</i> 14 19
10 years	12 19 15 21 18	5 12 5 9	7 7 10 12	61 76 53 76	35 42 22 42	26 34 31 34	50 66 60 55	27 38 33 22 20 22 16	23 28 27 33 22 28 26	31 25 29 37	15 14 13 18	16 11 16 19
15 years	19 21 11 12	89394	11 12 8 3 5	76 53 76 63 58 64 64 63 52	22 42 30 39 30 24 32 21	34 33 19 34 40 31	50 66 60 55 42 50 42 33 30 20	14 10	22 28 26 19 20	34 23 32 25 26	20 12 18 17	14 11 14 8 15
20 years	10 · 6 · 7 · 11 · 3	7 2 4 6	3 4 3 5	64 55 50 62	32 28 28 36 32 22 26 29 31	32 27 22 26 32 25 27	27 24 16	10 16 13 8 15	11 11 8	23 25 29 23 23	19 11 15 6 11	4 14 17 12 14
25 years 26 years 27 years 28 years 29 years	3 5 8 5 9	3 3 2 1 2	3 2 6 4	54 51 56 48 34 46	22 26 29 31 19 28	32 25 27 17 15	31 27 41 43 35 40 37	8 23 18 12 20 21	16 19 18 25 23 20	25 29 23 22 24 21 27	8 15 13 21 10	14 9 8 6 3
30 years31 years32 years33 years	5 13 10 7	1 5 3 3	4 8 7 4		17 23 21	18 19 17 15		24 32 16	29 14 30	23 16 22 19	14 9 13 11 15	9 7 9 8
34 years	3 10 9 13 15 13	4 2 7 5 8	6 10	35 42 38 35 36 24 20 29 20 23	20 22 11 13 17 12 13	13 7 12 8	53 46 48 41 30 27 28 29 36 30	25 22 17 17 18 14	10 11 11 22 7	19 18 15 17 8 14	, 8 9 14 5 13	10 6 3 3
40 years	13 7 13	5 10 7 9	3 4	25 14 22 21 21	16 7 13 10	10 9 7 9	30 24 30 22 20 25 17	23 17 24 14	7 7 6 8 10	18 27 16 16	9 22 10 9	9 5 6 7
44 years	6 8 8 4 3	2 4 2 2 1	4 4 6 2 2 2	21 17 23 18 24 15	13 9 12 12 14	8 8 11 6	25 17 20 17 10	14 10 14 12 16 10	11 5 4 7	13 15 11 24 10	8 7 6 18	5 8 5 6 2
50 years 51 years 52 years 53 years	2 7 3 2	1 5 2 2	2 1	22 22 21	9 8 14 13	6   14   8   8	9 11 8 12	4 7 5 8	5 4 3 4	13 10	10 6 9 8	4 2
54 years	4 7 6 6	1 4 5 3	3313	17 11 20 16 17	8 8 8 14 8	32 29	10 5 13 6 7	8 2 9 2 5	2 3 4 4 2	5 4 5 2 3	4 2 4 2	1 2 1 2
59 years	4 5 3 3	3 3 - 3	2 3	13 19 15 12	5 12 5 <u>7</u>	10 5	5 3 3 7	4 2 - 4	3 3	3 3 2 1	i 2 - 1	2 : 1 , 2 :
63 years	3 - 2 -	1 2 -	2 - - -	17 14 8 13 5 15	6 1 5 3	10   8   7   8   2	5 6 3 5 2	3 1 1 2 2	2 5 2 3	- 4 3 4	3 3 3	-
69 years	1	2 1 -	- - -	10 7 9	8 6 1 4	7 4 6 5	5 3 6 5	4 2 5 2	1 1 1 3	4 3 2 2	2 2 -	2 1 2
71 years	- 2 1	- - 1	- 2 -	7 9 2 4 7	2 4 2 1 3	5 5 3 4	1 4 - 2	- - 1	1 2 - 1	2 2 2 1	; 1 2	-
76 years	- - -	- - -	-	4 5 1 8	1 2	4	2 2 2 1	2 1 1	2 2 -	2 - - -	-	- - -
80 years	- - - - 1	= = =	-	3 1 1	1 1 - -	- 2 1	1 1 2	- - !	1 1 1	2 1 -	1 1 1	1 -
86 years	<u>-</u> - -	-	-	1 1 1	- - - 1	- 1 1	2 - - -	1 - - -	1 - - -	- -	- - - -	-
90 to 94 years 95 to 99 years 100 years and over	- - -	- - -	-  -  -	- - -	<u>-</u> - -	-  - -	-	- -	-	1 2 -	<u>:</u>	2
Median	21.2	22.8	19.8	20.7	21.6	19.8	20.2	22.4	18.1	20.7	23.0	18.3

Table 18. Single Years of Age by Sex for Places: 1980—Con.

(for meaning of symbols, see introduction. For definitions of terms, see appendixes A and B)												
	\$an	Jose (CDP)	1	San	Roque (CDP)		San V	/icente (CDP)		Son	gsong (CDP)	
Places	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total persons	808	401	407	623	327	296	1 674	867	607	1 241	6 <b>83</b> 23	<b>558</b>
Under 1 year	27	14	13	19 15	6	13	54 50 51	33 22	21 28	40 34	17	17
1 year 2 years	25 21	15 10	iil	19	12	7	51	26 35	25	57	30	27
3 years	18	7	11	19	12	.7	57	35	22 28	32 25	18	14
4 years	. 18	11	.7	19	8	11 7	54 40	26 16	24	33	16 11	22
5 years	19 14	· 8 5	11 9	13 22	6 12	16	40 45	17	28	38	20	18
6 years	16	ž	ģ	26	10	16	44	22	22	31	18	13 15
8 years	19	8	11	13	7 11	.6	36 48	15 21	21 27	30 28	15 14	14
9 years	21	9	12	18		7			1			l l
10 years	20	.8	12	13	6 8	. 7	47 45	27 23	20 22	28 34	14 17	14
11 years	30 25	18 11	12 14	16 21	10	11	46	20	26	27	13	14 17
12 years	25 19 21	9	10	18	8	10	48	27	21	31	14 17	
14 years	21	10	11	14	6	8 6	32 39	18 22	· 14	29 26	13	12   13
15 years	28 19	16 13	12 6	15 19	12	7	30	13	19	29	16	13 13
16 years	24	ğ	15	18	8	10	40	18	22	21 18	9 8	12 10
16 years	11	4	7 10	17 16	11 11	6 5	28 21	17 13	11 8	20	10	iŏ
19 years	16	6	l.		''			14	14	23	8	15
20 years	14	2 7	12 13	15 9	4	7 5	28 32	14 14	18	22	12	10
21 years 22 years	20 20	8	12	14	9	. 5	32 39	17	22 18	24	12	12
23 years	27	10	17	10	8	2 5	34 35	16 10	18	23 18	. 14 7	9
24 years	18 14	10 4	8   10	10 9	5	4	34	14	25 20	24	1Í	13
25 years 26 years	15	6	9	14	Ž	Ž	34 37	20	17	27	14 11	13
27 years	8	6 7	2	4 11	3 A	1 7	32 29	15 17	17 12	20 25	15	10
28 years 29 years	10 10	6	4	9	5	4	29 37	22	15	14	Ř	6
	,	2	5	4	2	2	30	13	17	12	8	4
30 years	. 11	7	4	8	4	4	29 25 32	16	13	15 25	9	10 10
32 years	.8	5	3 6	8	3	5 5	25 32	14 17	11 15	25 25	15 18	7
33 years34 years	16 5	10 3	2	4	4	-	19	io	9	7	6	1
35 years	14	10	4	2	7	2	11	6	5	14 12	3	1
36 years	9 11	6 4	3 7	5	3	4	15 19	8 13	6	10	7	3
37 years	17	2	5	4	3	ĩ	9	6	3	15	13	2
39 years	7	1	6	7	6	1	16	13	3	11	5	١٩
40 years	11	6	5	4	4		15 23	6 15	9 R	12 12	8 6	41
41 years	10	6 3	4	7	3	4	23 14	15 8	6	14	11	3
42 years	18	12	6	4	2	ż	8	5	3	11	9	2
44 years	ί <u>ο</u>	7	3	4	2	2	14 8	10 7	4	11 15	13	4
45 years	7 8	5 7	1	. 4	3	3	13	ģ	4	16	ii	5
46 years	ž	5	ż	4	2	2	11	8	3	7	3	4
48 years	. 3	2 .	1 3	8	5	3	12 14	. 5 . 8	7	າ້າ	4	5
49 years	6	•		3	,	_	\ \frac{1}{4}	ŭ	4	7	2	4
50 years	1 1	3 1	2	2 2	í	ī	16	10	6	7	· 7	-1
52 years	j j	į	2	4	1	3	10 12	4 8	6	5 8	4	1 2
53 years	4 3	3	1	4	3	î	11	8	3	7	6	i
54 years55 years	3	-	3	3	ž	1	6	6	-	6	5	1
56 years	2	1	1	2	1	1 3	7	4	3	5 8	3	. 4
57 years58 years	_ 5	ī	4	2	2	-	<b>5</b>	4	ĭ	ě	i	5
59 years	2	2	-	4	3	1	5	2	3	4	4	-
60 years	2	2	-	2	1	1	5	ļ	4	6	2	4 3
61 years	,	1	ĩ	- 2	_	2	6 3	5 2	i	9	5	4
62 years	l i	1	-	2	ī	į	l š	4	2 3	. <u>Š</u>	3	2
64 years	1	1	-	3	2	ļ	5	2	3 2	7	3	4 2
65 years	2	_	2	· . ½	- 2	1	1 3	2	4	5	ż	3
66 years	2	2	-	4	1	3	3	2	!	8	4	4
68 years	3 6	2 2	1	3 2	2 1	1	2 3	1 2	-	6	4	5 2
69 years	_	_			,	•	5	2	3	2	2	_
70 years	2	1	1	3	ī	2	i	-	i	4	3	1
71 years	<u> </u>	-	-	ĭ	<u> -</u>	Ī	3	2	1	2	1	1
73 years	2	2	-	!	=	1	1 1	Ξ	1	. 4	2	4 2
74 years	- 2	=	2	l <u>'</u>	=		2	ī	1	2	2	= 1
76 years	ī	3	_		-	7	1 !	-	1	2 3	1 2	- 11
77 years	3	-	3	}	_	ł	<u> </u>	!	-	-	_	<u>-</u>
78 years	ī	=	ī	) i	ī		_	_	-	4	1	3
80 years	l -	_	_	-	_	_	-	_	_	<del>-</del>	_	-
81 years		-	-	l <del>:</del>	-	-	1	-	1	1	-	1
62 years	-	-	_	1 -	_	1	1 -	_	_	l i	_	i
83 years 84 years		_	_		-	_	1 -	-	_	. 2	2	-
85 years	-	-	-	_	-	-	1	-	1	_	-	_
86 years 87 years	] [	_	<u>-</u>	-	_	=	] [	-	-		-	-
88 years	-	-	-	-	-	-	-	-	-	1	1	- {
89 years	-	-	-	_	-	_	_	-	-	_	-	-
90 to 94 years	_	<del></del>	-	} <u>-</u>	-	_	] -	_	_		-	-
95 to 99 years 100 years and over	] =	_	_	-	-	-	-	-	-	-	-	-
Median		21.1	19.0	17.7	18.5	16.9	19.1	20.3	17.8	20.4	22.7	18.1
										.,		

Table 18. Single Years of Age by Sex for Places: 1980—Con.

ָרַ <u>רַ</u>	or meaning of symbols, see	Introduction. For de	finitions of terms,	see appendixes A and B]					<del></del>
_	Sus	supe (CDP)		Tano	rpag (CDP)		Tinian	Village (CDP)	
Places	Both sexes	Mole	Female	Both sexes	Mole	Female	Both sexes	Male	Female
Total persons	<b>722</b> 32	<b>389</b> 19	333 13	<b>917</b> 37	<b>468</b> 19	449 18	<b>707</b> 28	<b>374</b>	<b>333</b> 17
Under 1 year	13	6	7 ]	38	29	9	28 19	9	10 10
2 years	21	11	10	30	17 13	13 10	19 21	9 11	10
3 years	22 27	13 18	7	25	17	Β̈́	18 18	'ä	10
4 years 5 years	15	6	9	29	12	17	18 23	9 12	9 11
6 years	24	12 10	12 10	23 25 29 23 30	ý	14 21	23 21	10	ii
7 years	20 17	9	'š	21	tó	- 11-	18	8 .	10
9 years	. i3	8	5	25	13	12	23	14	9
10 years	. 24	14 .	10	23	12	11	29	18	11
11 years	17	1]	6	22 27	14 9	8 18	25 22	13 12	12 10
12 years	13 20	6 12	ál	27	13	14	22	8	14
14 years	20 17	8	.?	22	10	12	16 ° 17	9 8	6
15 years	16 10	5	11	27 22 15 17	10	7	19	12	ź
16 years	16	ğ	7	21	10	11.1	12	8	4
18 years 1	13 9	8 4	5	27 28	13 12	14 16	12 10	6 4	ő
19 years		-	- 1		14	В	12	5	7
20 years	15 5	2	8 3	22 23	9	14	9	5	4
21 years 22 years	Ā	7	1	23 15	8	7.1	. 8 12	4 5	4
23 years	24 16	8 6	16 10	14 18	8	10	12 15 16	10	5
24 years 25 years	В	5	3	17	Š.	12	16	7	9
26 years	17 10	8 6	. 4	11 . 16	4 10	7	15 12	7	o 5
27 years	16	ğ	7	16 15	5	10	8	5	3
29 years	6	3	3	19	8	11	8	3	3
30 years	13	.3	10	13	4	?	12 10	6. 5	6
31 years	14	12 10	2 4	13 8	4	41	iĭ	7	4
32 years	10	6	41	10	5	5	7	4	3
34 years	9	2	4	12 5	3	2	7	4	3
35 years	9	ġ.	<u> </u>	10	5	5	4	1	3
37 years	, B	6	2	10 5	8 4	2	6	3	3
38 years	16 . 2	<u>-</u>	ź	š	4	i	Ž	ī	Ī
· 1	10	6	4	5	1	4	3	3	-
40 years	'9	ž	2	. 9	4	2	3,	3	- 5
42 years	6	3	3	8 7	3 4	3	9	5	4
43 years 44 years	7	5	½	10	7	š	4	ž	2
45 years	11	3	8	5	3	2	3 1	2	1 -
46 years		5 5		7	4	3	5	ż	3
48 years	5	3	2	8	3	5	8	6	2
49 years	8	5	3	5	3	<u> </u>	3	'	,
50 years	6	5	1	4 7	. 2	ž	3 4	ź	i
51 years 52 years	3	î	ž	5	<u> </u>	- []	6	5	1
53 years	. 3	2	11	<b>6</b>	5	- 11	5	2	. <u>.</u>
54 years55 years	i	ĭ	-	6	4	2	5	Ţ	4
56 years	. 2	1	1	8	4	4	7	4 3	ž
57 years 58 years	3	1	2	3	i	ż	4	ž	1
59 years	5	1	4	2	1	1	4	3	, 1
60 years	-	-	-	-	-	- 1	3	2	1
61 years	1 5	4	ī l	3 6	3	3	<u>.</u>	<u> </u>	-
62 years	3	2 .	, j	2	j	į	5	2	3
64 years	1 2	_	1 2	3	1 2		2	ī	i
65 years	_	-	-	į	_	! [	7	4	3
67 years	4	1	3 -	<b>4</b> 1	3 1	- 1	2 _	2	-
68 years	_	<u>-</u>		3	į	2	1	1	-
70 years	1	1	-1	i	_	1	5	4	j
71 years	· · · · · ·	_		7	-	7	3	2	\$
72 years 73 years	<u> </u>	Ξ	1	<u>'</u>	=	<u>-</u>	-	_	-
74 years	1	-	1	1	1	-	4	2	7
75 years	- 2	ī	ī	2	<u>-</u>	<u> </u>	_	Ξ	-
77 years	-	÷	-1	-	=	-	ļ	1	-
78 years	1 2	_	1 2	ī	ī	<u>-</u>	<u>-</u>	-	-
79 years	_		_1	_	_	_	_	_	
80 years	_	-	- [	1	_	1	<del>-</del>	-	-
82 years	-	-	<u>-</u>	<del></del>	-	<u>-</u> 1	1 -	_	-
83 years 84 years		-	<b>-1</b>	ī ·	ī	-1	_ _		-
85 years	-	-	-	1	ī	1	_	<u>-</u>	:
86 years	ī	ī	<u>-</u>	<u>-</u>	<u>-</u>	-	-	_	
88 years	<u>-</u>	<u>-</u>	-	-	ī	-		-	
89 years	· -	_	-	·		-1	,	<del>-</del>	•
90 to 94 years 95 to 99 years	I -	<del>-</del>	_1	_	Ξ	-	<u> </u>	-	
100 years and over	-	Ξ.	-	-	-	-	-	-	
Median	20.1	20.1	20.2	, 18.1	18.0	18.3	16.8	17.8	15.4

Table B-1. Characteristics of Persons Before and After Substitution and Allocation: 1980

For meaning of symbols, see introduct	ion. For definitions of terms	s, see appendixes A and B]			
	Persons			Percent	
After substitution and affocation	After substitution	Before substitution and allocation	After substitution and allocation	After substitution	Before substitution and allocation
	15 740	15 749	100,0	100.0	100.0
16 234	15 536	15 536	96.7 18.0	18.7	98.6 18.7
3 028 2 113	2 028	2 028	12.6		12.9 48.3
7 822 268	7 604 236	236	1.6	1.5	1.5
120	111 1 889	111 1 889	12.3	12.0	12.0 4.6
811	718	718			
546	213	213	3.3 0.2	1.4 0.2	1.4 0.2
	39 174	174	3.0	1.1	1.1
	•				
14 740	16 386	16 386	100.0	100.0	100.0
8 817	8 602	8 602 7 784	52.5 47.5	52.5 47.5	52.5 47.5
7 963	7 704				
			100.0	100.0	100.0
16 780 4 805	16 112 6 553	6 553	40.6	40.7	40.7 10.2
1 1 703	1 650 1 467	1 650 1 467	9.0	9.1	9.1
2 766	2 658	2 658		16.5 9.9	16.5   9.9
	1 102	1 102	6.9	6.8	6.8
655		626 462	3.9	2.9	
473	402		İ		
			100.0	100 6	100.0
9 975 3 462	3 327	3 327	34.7	34.8	34.8
5 829		5 597 544	5.5	5.7	5.7
148	143	143	1.5	1.5 4.1	4.1
	390 98			1.0	
	After substitution and offication  16 780 16 234 3 028 2 113 7 822 268 120 2 072 811 546 39 507  16 780 6 805 1 703 1 512 2 766 6 805 1 703 1 512 2 766 1 688 1 156 6 555 495  9 975 3 462 5 829 553	## Persons  After substitution and offication  16 780	After substitution and dilocation  After substitution  After substitution  16 780	After substitution and officeation   After substitution   Before substitution and officeation   After substitution   After substituti	Persons

NOTE: See appendix D for an explanation of substitution and allocation procedures.

Table B-2. Percent of Allocation by Type of Allocation for Persons Not Substituted: 1980

i i	· · · · · · · · · · · · · · · · · ·			Mariana Islands District		
The Area Municipalities	The Area	Total	Northern Islands municipality	Rota municipality	Salpan municipality	Tinian municipality
PERSONS IN HOUSEHOLDS						
Total						
Relationship allocated — In consistency edit From 1980 census distribution	1.6 1.9	1.6 1.9	1.0	0.8 0.9	1.7 2.1	0.4 0.8
Sex allocated— In consistency edit From 1980 census distribution	0.4 <sup>1</sup> 1.1	0.4 1.1	Ξ	0.1 0.5	0.4 1.2 3.4	0.4 1.2 2.3
Age allocated from 1980 census distribution	3.2	3.2	-	1.7	3.4	2.0
15 Years and Over						
Marital status allocated— In consistency edit From 1980 census distribution	1.6 1.7	1.6 1.7	Ξ	1.1 0.1	1.7 1.8	0.9 1.5
PERSONS IN GROUP QUARTERS	ļ					
Total						
Inmate status allocated— From consistency edit or from other person in same group quarters	59.7	59.7	-	-	60.6	100.0
Sex allocated— From other person in some group quarters, pre- 1980 census distribution, in consistency edit, or from 1980 census distribution ————————————————————————————————————	2.0	2.0	-	-	2.3	
Age allocated— From other person in same group quarters From pre-1980 census distribution	2.9 0.5	2.9	- -	3.6	2.9 0.6	3.
15 Years and Over						
Marital status allocated from 1980 census	1.5	1.:	5 -	3.6	1.4	

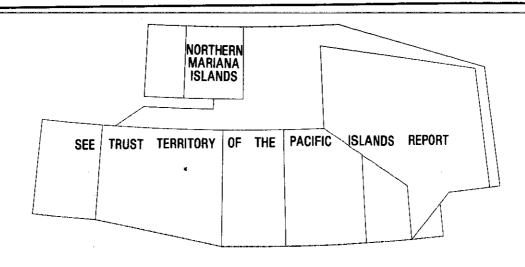
[For meaning of symbols, see introduction. For definitions of terms, see appendixes A and B]

The Area	Total
Tatal persons	16 645 14 697
Persons with allocated— Relationship Sex	736 182
Age Marital status Relationship and sex	326 420 21
Relationship and age Relationship and marital status Sex and age	77 36 22
Age and marital statusRelationship, sex, and age	19 80 10
Relationship, age, and marital status Sex, age, and marital status	14
Sex and mortal status	

#### Table B-4. Percent of Substitution and Allocation: 1980

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

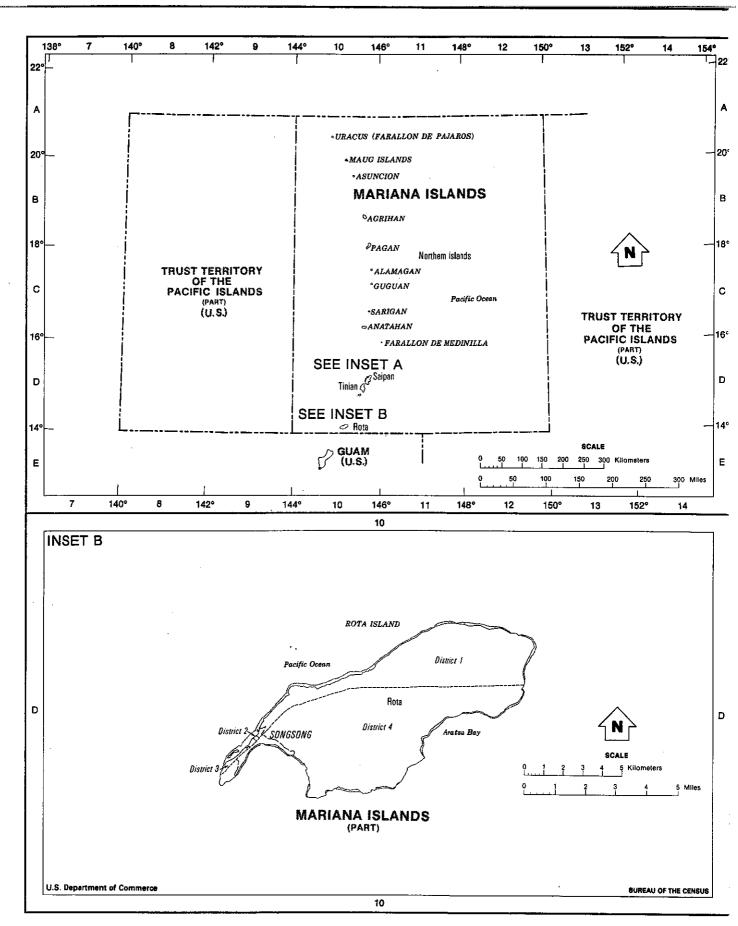
·	For meaning or symbols, see infroduction. For definitions of territs, see appendixes A and b.)							
The Area Urban and Rural and Size of Place	Persons substituted for			Persons with allocated—				
Places Municipalities	Total persons (number)	Mechanical failure	Noninterview	Persons with one or more items allocated	Relationship	Sex	Age	Marital status — Persons 15 years and over
The Area	16 780	0.7	0.1	11.2	6.1	2.3	4.0	4,2
URBAN AND RURAL AND SIZE OF PLACE								
Urban Rural Places of 1,000 to 2,500 Other rural	2 678 14 102 6 235 7 867	0.9 1.1 0.6	0.2 0.1 0.1	12.4 11.0 10.7 11.2	<b>5.8</b> <b>6.2</b> 6.1 6.3	2.0 2.4 2.6 2.2	4.1 4.0 3.8 4.1	4.5 4.1 4.6 3.8
PLACES								
Capital Hill (CDP) Chalan Kanac (CDP) Garapan (CDP) Son Antonio (CDP) Son Jose (CDP) San Reque (CDP) San Vicente (CDP) Son Vicente (CDP) Sonysong (CDP) Susye (CDP) Tranpag (CDP) Trinian Village (CDP)	592 2 678 2 063 1 257 808 623 1 674 1 241 722 917 707	1.2 0.4 1.5 - - 3.5 - 1.3	0.2 0.2 - 0.6 - 0.6	9.3 12.4 9.1 10.5 19.1 2.7 15.5 7.3 9.6 11.3	5.2 5.8 6.0 3.1 7.5 1.6 9.3 4.9 4.8 4.7 1.4	2.7 2.0 1.6 3.8 2.2 1.1 2.0 3.9 2.1 3.2 2.0	4.2 4.1 2.1 5.3 10.5 0.6 3.8 5.1 4.3 5.6 2.7	3.7 4.5 2.6 6.6 6.5 2.2 4.1 6.5 3.3 3.7 3.4
MUNICIPALITIES								
Mariana Islands District Northern Islands municipality Rota municipality Saipan municipality Tinian municipality	16 780 104 1 261 14 549 866	0.7 3.4 0.5 0.5	0.1 _ 0.1 _	11.2 1.0 7.5 11.8 9.0	6.1 1.0 5.1 6.3 5.2	2.3 4.0 2.2 2.0	4.0 5.2 4.0 2.8	4.2 - 6.5 4.1 2.7



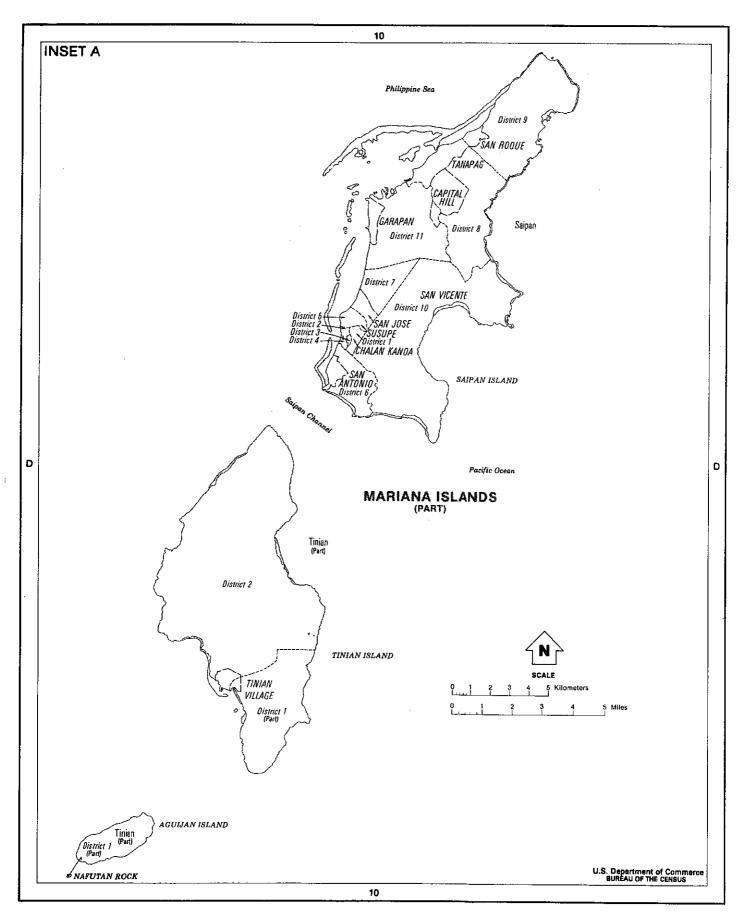
#### MAP LEGEND

SYMBOLS	TYPE STYLES	GEOGRAPHIC AREAS
	CANADA	Foreign country
	FLORIDA	State equivalent
	LEE	Administrative district
	Brent	Administrative district subdivision
	Pacifica -	Municipal district
	STAPLETON	Census designated place
-	Lake Wingra	Major water feature Corat Reef
<b>£</b> }		Asterisk following place name indicates place is coextensive with a municipal district. Municipal district name is shown only when it differs from place name.
		Note: All political boundaries are as of January I, 1980. Boundaries of small areas may not be depicted exactly due to scale of the map. Where boundaries coincide, boundary symbol of higher level geographic area is shown.

# Administrative District, Municipalities, Municipal Districts, and Places



# Administrative District, Municipalities, Municipal Districts, and Places



#### Appendix A.—Area Classifications

STATE EQUIVALENTS A-1
COUNTY EQUIVALENTS A-1
COUNTY SUBDIVISION
EQUIVALENTS A-1
PLACES
Incorporated Places A-1
Census Designated Places A-1
URBAN AND RURAL
RESIDENCE A-2
BOUNDARY CHANGES A-2
AREA MEASUREMENTS A=2

#### STATE EQUIVALENTS

The 50 States and the District of Columbia are the constituent units of the United States. Puerto Rico, the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands are treated as State equivalents in the text and tables of the PC80-1-B reports.

#### **COUNTY EQUIVALENTS**

In most States, the primary divisions are termed counties. In the Virgin Islands of the United States, the comparable areas are the three major islands. In American Samoa, the county equivalents are three districts and two islands. Since there are no primary divisions in Guam and the Northern Mariana Islands, the entire area of each is considered equivalent to a county for census purposes. In the Trust Territory of the Pacific Islands, excluding the Northern Mariana Islands, the administrative districts are the county equivalents.

# COUNTY SUBDIVISION EQUIVALENTS

In reports for the States, statistics are presented for the following subdivisions

of counties or equivalent areas: minor civil divisions (MCD's), census county divisions (CCD's), and, in Alaska, census subareas. In the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands, statistics are presented for minor civil divisions.

In the States, MCD's are primary divisions which were established under State law. MCD's in the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands, have been established by local law.

In the Virgin Islands of the United States, MCD's called census subdistricts have been established for the 1980 census to replace the quarters and cities that were used in the 1970 census. The MCD's in Guam are referred to as election districts. For American Samoa, the three districts are subdivided into MCD's called counties; MCD's for the two islands coincide with and have the same names as these islands. The MCD's in the Northern Mariana Islands are called municipalities.

The MCD's in the remainder of the Trust Territory of the Pacific Islands are municipalities. In addition, the Census Bureau recognizes two islands and one unorganized territory that are not within any municipality. In the Palau District of the Trust Territory of the Pacific Islands, numerous islands are not included in a legally established MCD (municipality); this area of unorganized territory is recognized as one subdivision and given a name (Palau Islands) by the Census Bureau, followed by the designation "(unorg.)."

#### **PLACES**

Two types of places are recognized in the State census reports—incorporated places and census designated places—as defined below.

#### **Incorporated Places**

Incorporated places recognized in the State census reports are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages. There are no incorporated places in the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands.

Towns in the Virgin Islands of the United States and villages in American Samoa are not legally incorporated. The three places specified as towns in the Virgin Islands Code have legally established boundaries and purposes, but are not functioning governments. The villages in American Samoa have functioning governments authorized by the Revised Code of American Samoa, but do not have legally established boundaries.

#### **Census Designated Places**

As in previous censuses, the Census Bureau, in cooperation with local governments, 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." Six CDP's have been designated in the Virgin Islands of the United States. For 1980, all places in Guam are designated as CDP's; in 1970 and earlier censuses, theses places were erroneously identified in publications as cities, towns, and villages, All places in the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands are CDP's. To be recognized for the 1980 census, CDP's in the Virgin Islands of the United States, Guam, the Northern Mariana Islands.

and the remainder of the Trust Territory of the Pacific Islands must have a minimum 1980 population of 300. There are no CDP'S in American Samoa.

Census designated place boundaries change as the settlement pattern changes; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP's are shown on the map which follows the tables. Larger-scale maps, showing boundaries in more detail, are available for purchase from the Census Bureau.

# URBAN AND RURAL RESIDENCE

The urban population consists of all persons living in places of 2,500 or more inhabitants. The population not classified as urban constitutes the rural population.

#### **BOUNDARY CHANGES**

The boundaries of some of the areas shown in this report have changed be-

tween earlier censuses and January 1980. Information on boundary chang is presented in table 4 of the PC80-1 reports. For information on bounda changes prior to 1970 for the Virg Islands of the United States, Guam, an American Samoa, see the Number of I habitants reports for previous censuses.

#### **AREA MEASUREMENTS**

Area measurement figures for cour equivalents are available in table 2 of 1 PC80-1-A report for each Area.

#### Appendix B.—Definitions and Explanations of Subject Characteristics

GENERALB- HOUSEHOLD, RELATIONSHIP	-1
TO HOUSEHOLDER, FAMILY,	
AND GROUP QUARTERS B-	-1
HouseholdB-	-1
Relationship to Householder B-	-1
Family	-2
Group QuartersB-	-2
SEX	-2
RACE B-	-2
AGE B-	-3
FERTILITY RATIO B-	-3
MARITAL STATUS B-	-3
SPANISH/HISPANIC ORIGIN B	3

#### **GENERAL**

The 1980 census of the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands was conducted through direct interview. Enumerators visited and listed every housing unit, asking the questions as worded in the questionnaire and recording the answers. Responses were determined by the questionnaire and the instructions given to the enumerator. The definitions and explanations given below for each subject are drawn largely from various technical materials and procedures used in the data collection. Explanatory information is included to assist the user in the proper use of the statistics.

Facsimiles of the questionnaire pages containing the population questions used to produce the data shown in this report are presented in Appendix E. The subjects are listed below in the order in which they appear on the census questionnaire.

#### 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 occupied as a separate living quarters, or if vacant, intended for occupancy as a 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.

Because of the living arrangements among extended families in certain sections of American Samoa, additional instructions were provided to help enumerators determine whether a living quarters met the housing unit definition. Extended families make use of two different types of living arrangements. One type has a common kitchen surrounded by several fales (structures) where the members of the extended family sleep. The meals are prepared in the cooking fale used by all members of the extended family. The family members either eat their meals at their own fale or together at one fale. In this arrangement, each individual fale is treated as a room within one housing unit. The other type of living arrangement has separate cooking facilities in each fale, but the family members share a common outdoor umu (oven). The family members pick up the cooked food from the umu and finish preparing

and eating their meals at their individual fale. Since each fale has its own cooking facility, it is considered a separate housing unit. Guest houses are counted as a room in the housing unit of a matai (a chief), not as a separate housing unit as was done in 1970.

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 obtained from answers to question 2, which was asked of all persons in housing units. Five basic categories of relationship are recognized in most tables of this report. More detailed categories of relationship will appear in the PC80-1-C and the PC80-1-D reports.

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 or is associated with 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 lives 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 lives alone or with non-relatives only.

Spouse—A person married to and living with a householder. This category includes persons in formal marriages as well as persons consensually married. The number of spouses is equal to the number of "married-couple families."

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. In this report, those classified as "own child of householder" are sons and daughters, including stepchildren and adopted children of the householder who are single (never married) and under 18 years of age.

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, roommates, paid employees, wards, and foster children are included in this category.

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."

#### Family

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 total number of persons in families by the total number of families (or family householders).

#### **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:

Inmate of Institution—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, 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, or in college dormitories; 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, etc.

Comparability With 1970 Census Data—Other than in American Samoa, the definition of a housing unit was the same in 1980 as in 1970 except that in 1980 there was no requirement that there be cooking facilities for exclusive use of the household. In American Samoa, a fale (a structure) was considered a housing unit if it had individual cooking facilities; otherwise, it was considered a room.

The household reference person in 1970 was the "head of household" (the

husband in married-couple families); 1980 it was changed to "the househ member (or one of the members) whose name the house is owned rented or is associated with." In 1970 unit in which 6 or more unrelated pers were living together was classified group quarters; for 1980 that requirement was raised to 10 or more unrelapersons.

#### SEX

The data on sex were derived f answers to question 3. At the time field review, most cases in which sex not reported were resolved by determined the appropriate entry from the persistent of processing, if sex still had not a determined it was allocated according the relationship to householder and age and marital status of the person, allocation process is described in Ap dix D, "Accuracy of the Data."

# RACE (Virgin Islands of the United States Only)

The data on race were derived 1 answers to question 4. The concep race as used by the Census Bureau ref self-identification by respondents; it not denote any clear-cut scientific de tion of biological stock. Since the census obtained information on through self-identification, the data re sent self-classification by people acc ing to the race with which they iden-This is a modification of the 1970 ce procedures in which race was obtain most cases by the enumerator's o vation. In this report, households families are classified by the race o householder.

For persons who could not prove single response to the race question race of the person's mother was a however, if a single response could no provided for the person's mother, the race reported by the person was a

The category "Black" includes pe who indicated their race as Blac Negro, as well as persons who dic classify themselves in one of the sprace categories listed on the question but reported entries such as Jama

Black Puerto Rican, West Indian, Haitian, or Nigerian.

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.

The category 'Other" includes all races other than Black or White.

If the race entry was missing on the questionnaire for a member of a household, an answer was assigned by 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."

#### AGE

The data on age were derived from answers to question 5. Only the information in questions 5b and 5c (on month and year of birth) was read into the computer. Answers to question 5a (on age at last birthday) were not read by FOSDIC, but were used during field review to fill any blanks in question 5c. The age classification is based on the age of the person in completed years as determined by the difference between date of birth and April 1, 1980 (September 15, 1980 for the Trust Territory of the Pacific Islands, excluding the Northern Mariana Islands).

The median ages shown in this report for 1980 were computed from data for single years of age. 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 "75 years and over," it is shown as "75+."

In each census since 1950, the Bureau of the Census has assigned the age of a person when it was not reported. In censuses before 1950, persons of unknown age were shown as a separate category. In 1960, 1970, and 1980, assignment of unknown ages was performed by the allocation procedure described in Appendix D, "Accuracy of the Data."

#### **FERTILITY RATIO**

The fertility ratio shown in table 14 is the number of children under 5 years old per 1,000 women 15 to 49 years old.

#### **MARITAL STATUS**

The data on marital status were derived from answers to question 6.

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 and those currently married persons who remarried after having been widowed or divorced. Consensually married persons are those living in a marital union without a civil or religious matrimonial contract and are included with those classified as now married; they are reported separately as "consensually married." Persons reported as "separated" are those living apart because of marital discord, with or without a legal separation. Persons whose only marriage had been annulled, 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 allocation process is described in Appendix D, "Accuracy of the Data."

# SPANISH/HISPANIC ORIGIN (Virgin Islands of the United States Only)

The data on Spanish/Hispanic origin c descent were derived from answers t question 7. This question was asked i the Virgin Islands of the United States fo the first time in 1980.

Persons of Spanish origin or descenare those who classified themselves in on of the specific Spanish origin categoria listed on the questionnaire-Puerto Rica or Cuban-as well as those who indicate that they were of other Spanish/Hispani origin. Persons reporting "other Spanish Hispanic"origin are those whose origin are from Spain, Mexico, or the Spanish speaking countries of Central or Sout America, or they are Spanish origin per sons identifying themselves generally a Spanish, Spanish American, Hispano Latino, etc. Origin or descent can b viewed as the ancestry, nationality group lineage, or country in which the perso or person's parents or ancestors wer born. Persons of Spanish origin may b of any race. In this report, household and families are classified by the Spanis origin of the householder.

Persons of more than one Spanisiorigin and persons of both a Spanish an another origin who did not report specific origin were classified according to the origin of the person's mother. If single origin was not provided for the person's mother, the first reported origin of the person was used.

If any household member failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer according to the reported entries of other household members by using specificules of precedence of household relation ship. If origin was not entered for any household member (excluding a pair employee), origin was assigned from another household according to the rac of the householder. This procedure is variation of the general allocation process described in Appendix D, "Accuracy of the Data."

#### Appendix C.—General Enumeration and Processing Procedures

USUAL PLACE OF RESIDENCE	C-
U.S. Armed Forces	C-
Crews of Merchant Vessels	C
Persons Away at School	C-
Persons in Institutions	C
Persons Away From their	
Residence on Census Day	C-
Residents Abroad	C-
Persons from Other Areas	C-
DATA COLLECTION	
PROCEDURES	C-
PROCESSING PROCEDURES	

#### USUAL PLACE OF RESIDENCE

In accordance with census practice, 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. Persons without a usual place of residence, or persons with no one at their usual place of residence to report them to a census taker, however, were counted where they happened to be staying.

#### **U.S. Armed Forces**

Members of the U.S. Armed Forces living on a military installation were counted, as

in previous censuses, as residents of the area in which the installation was located; members of the U.S. Armed Forces not living on a military installation were counted as residents of the area in which they were living. Persons in families with U.S. Armed Forces personnel were counted where they were living on Census Day (i.e., the military installation or "off base," as the case might be).

Each U.S. Navy ship was attributed to the geographic area that the Department of the Navy designated as its homeport.

#### **Crews of Merchant Vessels**

Crews of merchant ships berthed in a port, excluding those not flying a U.S. flag, were enumerated as of that port.

#### Persons Away at School

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

#### Persons in Institutions

Inmates of institutions were counted as residents of the area where the institution was located. Patients in short-term wards of general hospitals were counted at their usual place of residence; if they had no usual place of residence or there was no one at their usual place of residence to report them, 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 (September 12, 1980 for the Trust Territory of the Pacific Islands, excluding the Northern

Mariana Islands), having their usual home within the area and who indicated that no one was at home to report them in the census, were enumerated as residents of the hotel, motel, etc. Information on persons away from their usual place of residence who indicated that someone was at home to report them was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was away during the whole period of the enumeration, information on that household was obtained from neighbors.

In the Virgin Islands of the United States, the part of the procedures relating to the enumeration of persons staying in hotels and motels was not feasible because of the large number of guests in the islands during the local festivities that took place around Census Day. This should not have any significant effect on the total population counts, since persons staying at hotels and motels during this period were generally not residents of the Area, and even if they were, someone at home would have reported them to a census taker.

#### Residents Abroad

Residents who were abroad for an extended period (in the U.S. Armed Forces, working at civilian jobs, studying in universities outside the Area, etc.) were not included in the population of the Area. On the other hand, residents who were temporarily abroad on vacations, business trips, and the like, were counted at their usual residence in the Area.

#### Persons from Other Areas

Persons from other areas, having their usual residence (legally or illegally) in this Area on Census Day, including those working here and those attending school (but not living at a chancellery or consulate), were included in the enumeration,

as were members of their families living with them, regardless of citizenship. However, persons from other areas, temporarily visiting or traveling in this Area, were not enumerated in the 1980 census.

# DATA COLLECTION PROCEDURES

The 1980 census of the Virgin Islands of the United States, Guam, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands was conducted through direct interview. Beginning on Census Day, April 1, 1980 (September 15, 1980 for the Trust Territory of the Pacific Islands, excluding the Northern Mariana Islands), enumerators visited and listed every household asking the questions as worded on the questionnaire, and recording the answers. A single questionnaire

was used, which contained all the questions asked of every person and household.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, and prisons. These forms contained the same population questions that appeared on the regular census questionnaire but did not include any housing questions.

#### PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 census. They were designed to be processed electronically by the Film Optical Sensing Device for Input into Computer (FOSDIC). For most items on the questionnaire, the information obtained by the enumerator was recorded by marking the answers in the predesignorm.

nated positions that would be "read" FOSDIC from a microfilm copy of questionnaire and transferred onto c puter tape with no intervening mar processing. The computer tape excluinformation on individual names addresses.

The tape containing the informat from the questionnaires was processed the Census Bureau's computers through number of editing and tabulating standard the products of this operat were computer tapes from which tables in this report (and most other the 1980 census publications) were pared on phototypesetting equipmen the Government Printing Office.

A more detailed description of data collection and processing proceducan be obtained from the 1980 Censu Population and Housing, *Users' Gu* PHC80-R1.

#### Appendix D. — Accuracy of the Data

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EDITING OF	
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ALLOCATION AND	
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#### **SOURCES OF ERROR**

Since the 1980 population data shown in this report were tabulated from the entries for persons on all questionnaires. these data are not subject to sampling error. In any large-scale statistical operation such as a decennial census, human and mechanical errors occur. These errors are commonly referred to as nonsampling errors. Such errors include failure to enumerate every housing unit or person in the population, not obtaining all required information from respondents, obtaining incorrect or inconsistent information, and recording information incorrectly. Errors can also occur during the field review of the enumerators' work, the clerical handling of the census questionnaires, or the electronic processing of the questionnaires.

In an attempt to reduce various types of nonsampling error in the 1980 census, a number of techniques were introduced on the basis of experience in previous censuses and in tests conducted prior to the census. These quality control and review measures were used throughout the data collection and processing phases of the census to minimize undercoverage of the population and housing units and to keep the errors at a minimum.

# EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that de-

scribes 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 office. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

There are two means by which incomplete or inconsistent data on the questionnaires were corrected during the editing process: allocation and substitution. Allocations or assignments of acceptable codes in place of unacceptable entries, were needed most often when there was no entry for a given item 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. The assignment of acceptable codes in place of blanks or unacceptable entries enhances the usefulness of the data. The allocation technique may be illustrated by the procedure used in the assignment of unknown age. The allocation of this item was carried out in the following steps:

- The computer stored reported ages of persons by selected characteristics, including sex, relationship, marital status, and characteristics of other household members.
- Each stored age entry was retained in the computer only until a succeeding person having the same set of characteristics and having age reported was processed through the computer

- during the electronic edit operation. Then the reported age entry of the succeeding person was stored in place of the one previously stored.
- When the age of a person was not reported, or the entry was unacceptable, the age assigned to this person was that which was stored for the last person who otherwise had the same set of characteristics.

This process insured that the distribution of ages assigned by the computer for persons with a given set of characteristics would correspond closely to the age distribution of persons who had actually reported age in the census.

A second way in which corrections were made during the editing process was through substitution, that is the assignment of a full set of characteristics for a person. When there was an indication that a housing unit was occupied, but the questionnaire contained no information for all or most of the people, all characteristics for each person were allocated. This procedure differs from the method used for substitution in the stateside reports. In this report, all items were allocated, whereas, in the stateside reports, a complete set of characteristics for a person was assigned from a previously processed household.

These substitutions fall into two classes: (1) "mechanical failure," e.g., when the questionnaire page on which persons were listed was not properly microfilmed, and (2) "noninterview," e.g., when a housing unit was indicated as occupied but the occupants were not listed on the questionnaire.

Specific tolerances were established for the number of computer allocations and substitutions that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically

reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

# ALLOCATION AND SUBSTITUTION TABLES

The extent of allocation and substitutions in the editing process and their effect on each of the subjects are shown in tables B-1 to B-4 which follow table 18 (table 22 for the Virgin Islands of the United States). In these tables, "persons substituted" and "persons with one or more allocations" are stated as percentages of the total population.

In table B-1, since the procedure used for substitution was the allocation of a full set of characteristics for a person, substitutions were not tallied in the column "After substitution" but in "After substitution and allocation."

There is a difference in the method of counting allocations between table B-4 on the one hand, and tables B-2 and B-3 on the other hand. In table B-4, persons who were substituted (i.e., all characteristics were allocated) are included both

as being substituted and as having allocations. In tables B-2 and B-3, these persons are excluded.

Table B-3 shows allocation of marital status for all persons; tables B-1, B-2, and B-4 provide these data only for persons 15 years old and over.

The sum of the percentages of persons having assignments in each population characteristic is greater than the number of persons with one or more allocations because some persons had allocations for more than one characteristic. Not tallied and therefore not included in these tables are the allocations for missing information on quarter of year of birth; these allocations were made on a random basis