

Chapter 4

Housing Statistics

Summary of Housing Statistics

This chapter presents housing statistics on tenure by occupancy and vacancy, units by materials and facilities, number of rooms and bedrooms and source of water.

The number of housing units in 2000 (3,350) increased by 13 percent from 1995 (2,973). The increase reflected the demand for housing by a growing population. Over 60 percent of all housing units were located in Koror, the present capital of Palau. Owner-occupied housing units constituted over 79 percent of the total occupied housing units in 2000; about 18 percent were renter-occupied units.

In 2000, 40 percent of all housing units had concrete walls, 36 percent had wooden walls; 51 percent of all housing units were connected to public sewer system followed by 28 percent that use septic tanks or cesspool and the remaining are using other means.

Table 4.1 Housing Units by Occupancy, Vacancy, and State of Residence: 2000

State of Residence	Total		Owner-occupied			Renter-occupied			Vacant Units
	Total Housing Units	Occup. Housing Units	Total	With Mort-gage	No Mort-gage	Total	For Cash	No Cash Rent	
Total	3,464	3,350	2,654	476	2,178	696	475	221	114
Aimeliik	67	50	48	9	39	2	1	1	17
Airai	338	330	257	46	211	73	27	46	8
Angaur	47	47	45	14	31	2	1	1	-
Hatohebei	8	8	8	-	8	-	-	-	-
Kayangel	43	37	37	6	31	-	-	-	6
Koror	2,240	2,219	1,612	297	1,315	607	445	162	21
Melekeok	77	60	60	16	44	-	-	-	17
Ngaraard	125	109	108	18	90	1	1	-	16
Ngarchelong	74	70	69	14	55	1	-	1	4
Ngardmau	46	46	46	1	45	-	-	-	-
Ngaremlengui	68	68	67	33	34	1	-	1	-
Ngatpang	44	44	42	3	39	2	-	2	-
Ngchesar	72	72	70	6	64	2	-	2	-
Ngiwal	43	43	41	1	40	2	-	2	-
Peleliu	160	135	132	12	120	3	-	3	25
Sonsorol	12	12	12	-	12	-	-	-	-

Source: 2000 Census of Population and Housing, table H01, Republic of Palau

Notes: Total Housing Units include both occupied and vacant units.

Table 4.2 Tenure and Persons by Occupancy and State of Residence: 2000

State of Residence	Occupied Units			Persons in Occup. Units			Persons per		
	Total	Owner-Occup.	Renter-Occup.	Total	Owners	Renters	Occu-pied Unit	Owner-Occup. Unit	Renter-Occup. Unit
Total	3,350	2,654	696	15,520	13,077	2,443	4.6	4.9	3.5
Aimeliik	50	48	2	242	233	9	4.8	4.9	4.5
Airai	330	257	73	1,498	1,211	287	4.5	4.7	3.9
Angaur	47	45	2	188	176	12	4.0	3.9	6.0
Hatohebei	8	8	-	23	23	-	2.9	2.9	0.0
Kayangel	37	37	-	138	138	-	3.7	3.7	0.0
Koror	2,219	1,612	607	10,645	8,540	2,105	4.8	5.3	3.5
Melekeok	60	60	-	239	239	-	4.0	4.0	0.0
Ngaraard	109	108	1	473	471	2	4.3	4.4	2.0
Ngarchelong	70	69	1	280	279	1	4.0	4.0	1.0
Ngardmau	46	46	-	210	210	-	4.6	4.6	0.0
Ngaremlengui	68	67	1	310	308	2	4.6	4.6	2.0
Ngatpang	44	42	2	215	213	2	4.9	5.1	1.0
Ngchesar	72	70	2	263	261	2	3.7	3.7	1.0
Ngiwal	43	41	2	189	176	13	4.4	4.3	6.5
Peleliu	135	132	3	568	560	8	4.2	4.2	2.7
Sonsorol	12	12	-	39	39	-	3.3	3.3	0.0

Source: 2000 Census of Population and Housing, table H01, Republic of Palau

Note: Persons in households only; group quarters excluded

The average occupied unit in Palau in 2000 had 4.6 persons, with owner-occupied units having about 1 ½ more persons per unit than renter occupied units. Ngatpang, Aimeliik and Koror had the most crowded housing units, Sonsorol and Hatohebei the least crowded.

Table 4.3 Households and Families, Persons per Household and Persons per Family by State of Residence: 1995 to 2000

State of Residence	Households		Family Households		Persons in Households		Persons in Families		Persons per Household		Persons per Family	
	1995	2000	1995	2000	1995	2000	1995	2000	1995	2000	1995	2000
Total	2,973	3,350	2,650	2,951	14,439	15,520	13,399	14,119	4.9	4.6	5.1	4.8
Aimelik	66	50	62	43	353	242	337	227	5.3	4.8	5.4	5.3
Airai	245	330	234	303	1,228	1,498	1,167	1,406	5.0	4.5	5.0	4.6
Angaur	46	47	40	37	193	188	185	168	4.2	4.0	4.6	4.5
Hatohobei	12	8	9	6	51	23	39	21	4.3	2.9	4.3	3.5
Kayangel	26	37	22	31	124	138	118	131	4.8	3.7	5.4	4.2
Koror	1,964	2,219	1,755	1,959	9,966	10,645	9,203	9,539	5.1	4.8	5.2	4.9
Melekeok	54	60	50	48	261	239	254	212	4.8	4.0	5.1	4.4
Ngaraard	91	109	74	93	311	473	293	438	3.4	4.3	4.0	4.7
Ngarchelong	65	70	55	61	253	280	237	271	3.9	4.0	4.3	4.4
Ngardmau	40	46	35	43	162	210	153	199	4.1	4.6	4.4	4.6
Ngaremlengui	65	68	59	62	281	310	263	299	4.3	4.6	4.5	4.8
Ngatpang	37	44	31	37	199	215	183	206	5.4	4.9	5.9	5.6
Ngchesar	67	72	52	61	228	263	210	249	3.4	3.7	4.0	4.1
Ngiwal	47	43	40	41	176	189	166	181	3.7	4.4	4.2	4.4
Peleliu	129	135	118	118	575	568	521	537	4.5	4.2	4.4	4.6
Sonsorol	19	12	14	8	78	39	70	35	4.1	3.3	5.0	4.4

Sources: 1995 Census & 2000 Census, tables 7 & H01, Republic of Palau

Note: Persons in families exclude nonfamily householders and nonrelatives

Figure 4.1 Average Household Size by State of Residence: 2000

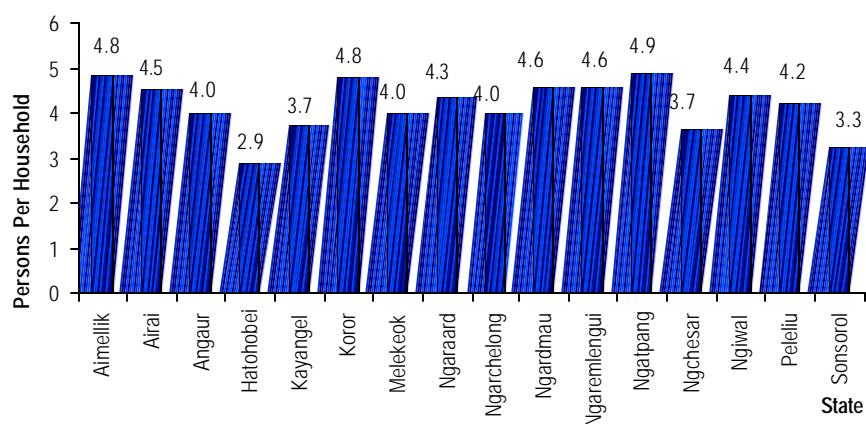


Table 4.4 Occupied Housing Units by Household Size and State of Residence: 2000

State of Residence	P E R S O N S (H O U S E H O L D S I Z E)												
	Total	1	2	3	4	5	6	7	8	9	10	11	12+
Total	3,350	324	467	515	531	518	352	209	135	104	84	39	72
Aimellik	50	6	4	7	9	9	4	2	3	2	1	1	2
Airai	330	24	38	58	51	69	41	14	10	12	7	4	2
Angaur	47	8	6	7	9	7	4	1	3	-	1	1	-
Hatothobei	8	2	2	1	1	2	-	-	-	-	-	-	-
Kayangel	37	6	7	5	5	6	4	3	1	-	-	-	-
Koror	2,219	199	305	319	359	316	241	152	96	76	65	29	62
Melekeok	60	9	10	8	11	8	6	3	2	1	2	-	-
Ngaraard	109	15	23	24	12	14	5	8	-	4	3	-	1
Ngarchelong	70	9	11	15	6	17	4	1	3	1	2	1	-
Ngardmau	46	3	8	3	5	13	6	6	-	1	1	-	-
Ngaremlengui	68	6	12	5	11	11	11	6	3	2	-	-	1
Ngatpang	44	6	4	8	7	7	5	2	2	-	1	1	1
Ngchesar	72	10	9	17	14	10	9	1	1	1	-	-	-
Ngiwal	43	1	3	10	11	10	3	2	1	2	-	-	-
Peleliu	135	16	24	25	19	19	7	8	9	2	1	2	3
Sonsorol	12	4	1	3	1	-	2	-	1	-	-	-	-

Source: 2000 Census of Population and Housing, table 8, Republic of Palau

Table 4.5 Occupied Housing Units in Structure by State of Residence: 2000

State of Residence	Units in Structure						
	Total	1 unit detached	1 unit attached	2 apart-ments	3 or 4 apart-ments	5 or more apart-ments	Other
Total	3,350	2,510	449	65	89	222	15
Aimellik	50	41	9	-	-	-	-
Airai	330	256	58	6	3	7	-
Angaur	47	45	-	-	-	-	2
Hatothobei	8	5	3	-	-	-	-
Kayangel	37	32	5	-	-	-	-
Koror	2,219	1,534	322	57	85	211	10
Melekeok	60	56	4	-	-	-	-
Ngaraard	109	87	18	2	1	-	1
Ngarchelong	70	69	1	-	-	-	-
Ngardmau	46	45	1	-	-	-	-
Ngaremlengui	68	58	8	-	-	-	2
Ngatpang	44	39	5	-	-	-	-
Ngchesar	72	71	1	-	-	-	-
Ngiwal	43	34	9	-	-	-	-
Peleliu	135	127	4	-	-	4	-
Sonsorol	12	11	1	-	-	-	-

Source: 2000 Census of Population and Housing, table H02, Republic of Palau

The only Palau States with apartments in 2000 were Koror, Airai, Ngaraard, and Peleliu. About 3 in every 4 housing units in Palau in 2000 were single units, detached from any other unit, and most of the rest of them were single units attached to at least one other structure.

Table 4.6 Occupied Housing Units by Wall Material and State of Residence: 2000

State of Residence	Wall Material					
	Total	Poured Concrete	Concrete Blocks	Metal	Wood	Other
Total	3,350	407	947	760	1,202	34
Aimellik	50	1	11	25	12	1
Airai	330	23	116	74	114	3
Angaur	47	3	5	15	22	2
Hatohobei	8	-	-	5	3	-
Kayangel	37	1	3	13	20	-
Koror	2,219	346	677	400	773	23
Melekeok	60	4	9	11	36	-
Ngaraard	109	6	10	21	72	-
Ngarchelong	70	3	8	22	37	-
Ngardmau	46	3	2	24	17	-
Ngaremlengui	68	8	9	35	15	1
Ngatpang	44	-	6	24	12	2
Ngchesar	72	-	5	39	27	1
Ngiwal	43	-	10	21	12	-
Peleliu	135	9	76	30	19	1
Sonsorol	12	-	-	1	11	-

Source: 2000 Census of Population and Housing, table H03, Republic of Palau

About 2 in every 5 units in Palau in 2000 had either poured concrete or concrete block walls. Most States had the majority of the units made of metal or wood walls. Hatohobei and Sonsorol had no units of concrete walls.

Table 4.7 Occupied Housing Units by Roof Material and State of Residence: 2000

State of Residence	Roof Material					
	Total	Poured Concrete	Metal	Wood	Thatch	Other
Total	3,350	581	2,615	114	12	28
Aimellik	50	-	47	2	-	1
Airai	330	66	254	9	-	1
Angaur	47	3	42	-	-	2
Hatohobei	8	-	5	-	3	-
Kayangel	37	1	35	1	-	-
Koror	2,219	480	1,633	78	6	22
Melekeok	60	3	57	-	-	-
Ngaraard	109	4	102	2	1	-
Ngarchelong	70	1	58	11	-	-
Ngardmau	46	1	42	2	1	-
Ngaremlengui	68	3	64	1	-	-
Ngatpang	44	2	41	1	-	-
Ngchesar	72	3	67	1	-	1
Ngiwal	43	3	37	2	-	1
Peleliu	135	11	120	4	-	-
Sonsorol	12	-	11	-	1	-

Source: 2000 Census of Population and Housing, table H03, Republic of Palau

The majority of Palau's housing continued to have metal roofs in 2000. About 78 percent of the units in the country had this material, and about 74 percent of Koror's roofs.

Table 4.8 Occupied Housing Units by Foundation Material and State of Residence: 2000

State of Residence	Foundation Material			
	Total	Concrete	Wood pier	Other
Total	3,350	2,143	1,173	34
Aimellik	50	25	23	2
Airai	330	203	126	1
Angaur	47	27	19	1
Hatothobei	8	-	8	-
Kayangel	37	19	18	-
Koror	2,219	1,551	646	22
Melekeok	60	21	39	-
Ngaraard	109	41	67	1
Ngarchelong	70	39	31	-
Ngardmau	46	23	23	-
Ngaremlengui	68	28	39	1
Ngatpang	44	20	24	-
Ngchesar	72	8	64	-
Ngiwal	43	27	13	3
Peleliu	135	111	21	3
Sonsorol	12	-	12	-

Source: 2000 Census of Population and Housing, table H03, Palau

Table 4.9 Occupied Housing Units by Number of Rooms and State of Residence: 2000

State of Residence	R O O M S								
	Total	1	2	3	4	5	6	7	8 or more
Total	3,350	127	300	530	855	828	393	156	161
Aimellik	50	2	6	12	15	9	5	1	-
Airai	330	10	35	67	75	86	26	23	8
Angaur	47	1	2	18	15	6	3	1	1
Hatothobei	8	4	1	3	-	-	-	-	-
Kayangel	37	4	2	11	14	5	-	1	-
Koror	2,219	73	199	274	515	594	306	114	144
Melekeok	60	2	6	9	22	16	3	2	-
Ngaraard	109	5	11	27	42	16	5	1	2
Ngarchelong	70	2	3	10	28	14	8	5	-
Ngardmau	46	3	4	18	11	7	2	1	-
Ngaremlengui	68	1	5	13	17	18	9	2	3
Ngatpang	44	2	3	11	17	5	5	1	-
Ngchesar	72	11	10	13	26	6	6	-	-
Ngiwal	43	2	6	17	11	7	-	-	-
Peleliu	135	1	6	22	45	39	15	4	3
Sonsorol	12	4	1	5	2	-	-	-	-

Source: 2000 Census of Population and Housing, table H04, Republic of Palau

About 63 percent of Palau's housing had concrete foundations, and another 35 percent had wood pier foundations.

Only 127 units (less than 4 percent) of Palau's housing had only a single room. About 855 units had 4 rooms and another 828 had 5 rooms, the largest numbers.

Table 4.10 Occupied Housing Units by Plumbing Facilities and State of Residence: 2000

State of Residence	Complete Plumbing With				Without complete plumbing
	Total	Total	Hot & cold water	Cold water only	
Total	3,350	609	311	298	2,741
Aimellik	50	2	2	-	48
Airai	330	48	16	32	282
Angaur	47	2	1	1	45
Hatothobei	8	-	-	-	8
Kayangel	37	-	-	-	37
Koror	2,219	531	288	243	1,688
Melekeok	60	17	2	15	43
Ngaraard	109	5	-	5	104
Ngarchelong	70	-	-	-	70
Ngardmau	46	-	-	-	46
Ngaremlengui	68	-	-	-	68
Ngatpang	44	1	-	1	43
Ngchesar	72	-	-	-	72
Ngiwal	43	1	-	1	42
Peleliu	135	2	2	-	133
Sonsorol	12	-	-	-	12

Source: 2000 Census of Population and Housing, table H05, Republic of Palau

Table 4.11 Occupied Housing Units by Source of Water and State of Residence: 2000

State of Residence	Water Source				
	Total	Public System	Public System & Catchment	Catchment, Tanks or Drums	Some Public Standpipe Other Source
Total	3,350	1,633	1,565	118	10 24
Aimellik	50	34	7	6	1 2
Airai	330	88	239	2	- 1
Angaur	47	18	28	1	- -
Hatothobei	8	-	-	8	- -
Kayangel	37	1	2	32	- 2
Koror	2,219	1,215	974	16	7 7
Melekeok	60	29	27	4	- -
Ngaraard	109	58	40	9	1 1
Ngarchelong	70	15	54	1	- -
Ngardmau	46	44	1	1	- -
Ngaremlengui	68	50	13	4	- 1
Ngatpang	44	3	38	1	1 1
Ngchesar	72	29	15	19	- 9
Ngiwal	43	37	6	-	- -
Peleliu	135	12	121	2	- -
Sonsorol	12	-	-	12	- -

Source: 2000 Census of Population and Housing, table H06, Republic of Palau

Complete plumbing includes running water, a bathtub or shower, and a sink in the unit. More than 2,700 of Palau's units (82 percent) did not have complete plumbing in 2000.

About 95 percent of Palau's housing received its water from the public system, either with or without also having a catchment. The farther away from Koror, the less likely to be on the public system.

Only 128 housing units (4 percent) did not have piped water. About 25 percent – 1 in 4 – had hot and cold running water, either in the unit or in the building, and 2 in 3 had cold water either inside the unit or elsewhere in the building.

Table 4.12 Occupied Housing Units by Hot and Cold Piped Water and State of Residence: 2000

State of Residence	Hot and Cold Piped Water						
	Total	Hot & Cold Water in the Unit	Hot & Cold Water in the Building	Cold Water in the Unit	Cold Water in the Building	Cold Water Outside	No Piped Water
Total	3,350	364	484	1,048	1,183	143	128
Aimellik	50	2	3	6	34	2	3
Airai	330	16	55	238	4	14	3
Angaur	47	5	8	14	16	3	1
Hatohebei	8	-	-	-	-	-	8
Kayangel	37	-	1	4	4	3	25
Koror	2,219	324	348	633	806	71	37
Melekeok	60	4	2	45	7	1	1
Ngaraard	109	1	5	48	35	11	9
Ngarchelong	70	-	10	4	46	10	-
Ngardmau	46	-	3	3	35	1	4
Ngaremlengui	68	5	9	7	42	3	2
Ngatpang	44	1	4	2	20	13	4
Ngchesar	72	-	-	1	44	8	19
Ngiwal	43	3	25	5	9	1	-
Peleliu	135	3	11	38	81	2	-
Sonsorol	12	-	-	-	-	-	12

Source: 2000 Census of Population and Housing, table H06, Republic of Palau

Table 4.13 Occupied Housing Units by Source of Drinking Water and State of Residence: 2000

State of Residence	Source of Drinking Water				
	Total	Public Water	Rain-Water	Bottled Water	Rain and Bottled Water
Total	3,350	545	2,254	401	150
Aimellik	50	1	46	-	3
Airai	330	40	255	21	14
Angaur	47	2	44	1	-
Hatohebei	8	-	8	-	-
Kayangel	37	1	34	-	2
Koror	2,219	280	1,450	377	112
Melekeok	60	33	25	-	2
Ngaraard	109	61	44	-	4
Ngarchelong	70	13	56	-	1
Ngardmau	46	27	17	1	1
Ngaremlengui	68	46	22	-	-
Ngatpang	44	-	41	1	2
Ngchesar	72	14	55	-	3
Ngiwal	43	27	11	-	5
Peleliu	135	-	134	-	1
Sonsorol	12	-	12	-	-

Source: 2000 Census of Population and Housing, table H06, Republic of Palau

Only about 545 (16 percent) of the housing units drank water from the public system. The majority (2 in every 3) got their drinking water from rain-water, through catchments only, and the others either bought their water (primarily on Koror), or had a combination of rain water and bottled water.

Table 4.14 Occupied Housing Units by Toilet Facilities and State of Residence: 2000

State of Residence	Toilet					
	Total	Flush Toilet in the Unit	Flush Toilet in the Building	Flush Toilet outside Building	Out house or Privy.	Other or None
Total	3,350	735	1,394	468	712	41
Aimellik	50	3	11	14	19	3
Airai	330	50	157	45	78	-
Angaur	47	3	7	-	37	-
Hatohobei	8	-	-	-	7	1
Kayangel	37	1	2	2	30	2
Koror	2,219	618	1,083	276	222	20
Melekeok	60	26	17	5	12	-
Ngaraard	109	11	17	10	70	1
Ngarchelong	70	6	17	6	36	5
Ngardmau	46	-	3	12	31	-
Ngaremlengui	68	7	19	12	30	-
Ngatpang	44	5	11	14	14	-
Ngchesar	72	-	12	7	51	2
Ngiwal	43	1	16	19	7	-
Peleliu	135	4	22	46	60	3
Sonsorol	12	-	-	-	8	4

Source: 2000 Census of Population and Housing, table H06, Republic of Palau

Note: "Unit" refers to one-family house either detached from or attached to other houses.

"Building" refers to building with two or more than two apartments.

Table 4.15 Occupied Housing Units by Fuel for Cooking and State of Residence: 2000

State of Residence	Fuel for Cooking									
	Total	Electricity	Gas	Kerosene	Electricity and Gas	Electricity and Kerosene	Gas and Kerosene	Electricity, Gas and Kerosene	Other	None
Total	3,350	778	700	722	331	277	342	167	1	32
Aimellik	50	5	1	6	7	13	2	16	-	-
Airai	330	57	74	56	53	26	50	13	-	1
Angaur	47	2	2	23	-	13	5	2	-	-
Hatohobei	8	-	1	6	-	-	-	-	-	1
Kayangel	37	1	1	20	1	3	8	1	1	1
Koror	2,219	694	544	350	229	144	159	85	-	14
Melekeok	60	-	11	11	13	4	8	5	-	8
Ngaraard	109	3	11	65	3	4	19	3	-	1
Ngarchelong	70	-	2	24	4	13	15	12	-	-
Ngardmau	46	-	2	29	1	5	6	2	-	1
Ngaremlengui	68	2	4	13	3	18	10	16	-	2
Ngatpang	44	3	18	3	6	4	6	1	-	3
Ngchesar	72	2	8	29	4	12	14	3	-	-
Ngiwal	43	1	6	27	-	2	6	1	-	-
Peleliu	135	8	14	50	7	15	34	7	-	-
Sonsorol	12	-	1	10	-	1	-	-	-	-

Source: 2000 Census of Population and Housing, table H07, Republic of Palau

About 1 in every 5 units had a flush toilet in the unit and another 2 in 5 had a flush toilet in the building. Most of the units with an outhouse or privy were in outer States.

Almost half of all the housing units in Palau used electricity for cooking, either alone, or in combination with some other type of fuel. Only 722 units (1 in every 5 units) used Kerosene alone, although half of these units were in Koror

The vast majority of housing units in Palau – 2,052 out of the 3,350 (61 percent or 3 out every 5 units) did not have any air conditioning. Only 253 (8 percent – 1 in 12 units) had central air conditioning, while about 1000 units had one or two room air conditioning units.

Table 4.16 Occupied Housing Units by Air Conditioning and State of Residence: 2000

State of Residence	Air-Conditioning				None
	Total	Central System	1 Room Unit	2 or More Room Units	
Total	3,350	253	651	394	2,052
Aimellik	50	2	6	1	41
Airai	330	19	66	34	211
Angaur	47	2	1	-	44
Hatothobei	8	-	-	-	8
Kayangel	37	-	2	-	35
Koror	2,219	221	531	345	1,122
Melekeok	60	1	9	3	47
Ngaraard	109	2	6	-	101
Ngarchelong	70	1	1	-	68
Ngardmau	46	-	-	1	45
Ngaremlengui	68	-	3	-	65
Ngatpang	44	1	5	1	37
Ngchesar	72	-	2	2	68
Ngiwal	43	-	1	1	41
Peleliu	135	4	18	6	107
Sonsorol	12	-	-	-	12

Source: 2000 Census of Population and Housing, table H07, Republic of Palau

Most (93 percent) of the units had an electric refrigerator. Only 221 units (7 percent) did not have any refrigeration.

Table 4.17 Occupied Housing Units by Refrigeration and State of Residence: 2000

State of Residence	Refrigeration			No Refrigerator
	Total	Electricity	Gas	
Total	3,350	3,106	23	221
Aimellik	50	45	-	5
Airai	330	320	-	10
Angaur	47	37	-	10
Hatothobei	8	-	-	8
Kayangel	37	23	-	14
Koror	2,219	2,127	16	76
Melekeok	60	54	-	6
Ngaraard	109	77	5	27
Ngarchelong	70	63	-	7
Ngardmau	46	30	1	15
Ngaremlengui	68	62	-	6
Ngatpang	44	34	-	10
Ngchesar	72	66	-	6
Ngiwal	43	36	-	7
Peleliu	135	132	1	2
Sonsorol	12	-	-	12

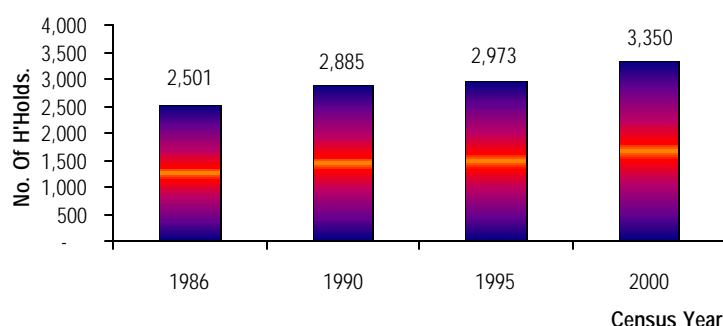
Source: 2000 Census of Population and Housing, table H07, Republic of Palau

Table 4.17a Tenure by Occupancy: 1986 to 2000

Tenure	1986	1990	1995	2000
Total	2,501	2,885	2,973	3,350
Owner-occupied	1,823	2,204	2,254	2,654
Renter-occupied	618	681	719	696
Cash-rent	190	263	379	475
No cash rent	428	418	340	221
Not stated	60	-	-	-

Source: 2000 Census, table H01; 1995 Census, table H01; OPS 1987, Palau

Figure 4.2 Number of Households in Palau



The 2,654 housing units reported as being owner occupied in 2000 constituted about 4 out of every 5 units. Because the U.S. Census Bureau definitions are used, many of the households listed as "no cash rent" would also be considered owner-occupied by traditional Palau customs. Still, the percentage of households paying rent increased from 8 percent in 1986 to 14 percent in 2000.

Table 4.18 Occupied Housing Units by Sewage System and State of Residence: 2000

State of Residence	Sewage System			Other Means
	Total	Public Sewer	Septic Tank or Cesspool	
Total	3,350	1,702	931	717
Aimellik	50	1	30	19
Airai	330	18	246	66
Angaur	47	3	22	22
Hatohobei	8	-	-	8
Kayangel	37	1	4	32
Koror	2,219	1,663	377	179
Melekeok	60	-	53	7
Ngaraard	109	-	29	80
Ngarchelong	70	1	31	38
Ngardmau	46	2	3	41
Ngaremlengui	68	1	35	32
Ngatpang	44	2	32	10
Ngchesar	72	-	18	54
Ngiwal	43	6	29	8
Peleliu	135	4	22	109
Sonsorol	12	-	-	12

Source: 2000 Census of Population and Housing, table H06, Republic of Palau

About half the units in 2000 were connected to a public sewer (and most of the ones not in Koror State were almost certainly reported erroneously.) About 1 in 4 units used a septic tank or cesspool and the rest used "other means".

About 10 percent of Palau's households had less than \$2,500 in income in 1999 based on the 2000 Census. And, about 5 percent of the households made \$50,000 or more in 1999.

Table 4.19 Households by Income in 1999 and State of Residence: 2000

State of Residence	Households by Income in 1999									
	Total Households	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 to \$74,999	\$75,000 or more
Total	3,350	374	241	652	552	718	380	229	132	72
Aimellik	50	13	3	13	6	9	3	1	1	1
Airai	330	18	15	65	62	85	39	27	12	7
Angaur	47	15	11	8	5	7	1	-	-	-
Hatohebei	8	3	3	1	1	-	-	-	-	-
Kayangel	37	7	6	15	3	4	1	-	1	-
Koror	2,219	172	98	366	368	540	312	186	117	58
Melekeok	60	14	8	18	8	3	4	2	1	2
Ngaraard	109	20	18	28	25	12	4	2	-	-
Ngarchelong	70	16	11	24	7	7	1	4	-	-
Ngardmau	46	7	4	15	11	4	4	-	-	1
Ngaremlengui	68	10	13	18	14	10	2	1	-	-
Ngatpang	44	3	6	15	7	9	2	1	-	1
Ngchesar	72	18	15	20	11	6	2	-	-	-
Ngiwal	43	10	8	9	6	8	1	1	-	-
Peleliu	135	45	21	29	16	14	4	4	-	2
Sonsorol	12	3	1	6	2	-	-	-	-	-

Source: 2000 Census of Population and Housing, table 23, Republic of Palau

Note: 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.

Table 4.20 Housing Indicators by State of Residence: 2000

State of Residence	Households with													
	Occupied Housing Units	Microwave Oven		Sink attached with Piped Water		Electric Power		Telephone		Radio		Television		
		Units	%	Units	%	Units	%	Units	%	Units	%	Units	%	
Total	3,350	1,012	30.2	3,107	92.7	3,284	98.0	3,050	91.0	3,007	89.8	2,884	86.1	
Aimellik	50	11	22.0	47	94.0	48	96.0	40	80.0	46	92.0	35	70.0	
Airai	330	92	27.9	319	96.7	327	99.1	302	91.5	324	98.2	305	92.4	
Angaur	47	3	6.4	41	87.2	46	97.9	41	87.2	36	76.6	28	59.6	
Hatohebei	8	-	-	1	12.5	-	-	-	-	6	75.0	-	-	
Kayangel	37	1	2.7	10	27.0	35	94.6	32	86.5	35	94.6	19	51.4	
Koror	2,219	818	36.9	2,142	96.5	2,200	99.1	2,063	93.0	2,007	90.4	2,031	91.5	
Melekeok	60	6	10.0	58	96.7	58	96.7	58	96.7	51	85.0	46	76.7	
Ngaraard	109	6	5.5	90	82.6	99	90.8	90	82.6	72	66.1	57	52.3	
Ngarchelong	70	6	8.6	67	95.7	70	100.0	67	95.7	64	91.4	53	75.7	
Ngardmau	46	5	10.9	40	87.0	46	100.0	36	78.3	41	89.1	31	67.4	
Ngaremlengui	68	11	16.2	56	82.4	66	97.1	55	80.9	61	89.7	51	75.0	
Ngatpang	44	8	18.2	32	72.7	43	97.7	40	90.9	41	93.2	34	77.3	
Ngchesar	72	10	13.9	46	63.9	68	94.4	65	90.3	55	76.4	58	80.6	
Ngiwal	43	8	18.6	43	100.0	43	100.0	39	90.7	39	90.7	31	72.1	
Peleliu	135	27	20.0	115	85.2	135	100.0	122	90.4	124	91.9	105	77.8	
Sonsorol	12	-	-	-	-	-	-	-	-	5	41.7	-	-	

Source: 2000 Census of Population & Housing, table H07, and Office of Planning, Republic of Palau

About 3 in every 10 households had a microwave oven more than 9 in every 10 had a sink attached to piped water, almost all had electricity, about 9 in 10 had a telephone, radio, and a television. As before, the farther away from Koror, the less likely to have assets.

Table 4.21 Percentage of Population in Households with Access to Source of Water by State of Residence : 2000

State of Residence	Persons with Access to Source of Water										
		Public System		Public System & Catchment		Tanks or Drums		Public Standpipe		Other Source	
		% of		% of		% of		% of		% of	
	Popula- tion	Persons	Popula- tion	Persons	Popula- tion	Persons	Popula- tion	Persons	Popula- tion	Persons	Popula- tion
Total	19,129	7,658	40.0	7,248	37.9	464	2.4	48	0.3	102	0.5
Aimellik	272	164	60.3	34	12.5	29	10.7	5	1.8	10	3.7
Airai	2,104	399	19.0	1,085	51.6	9	0.4	-	-	5	0.2
Angaur	188	72	38.3	112	59.6	4	2.1	-	-	-	-
Halohobei	23	-	-	-	-	23	100.0	-	-	-	-
Kayangel	138	4	2.9	7	5.1	119	86.2	-	-	7	5.1
Koror	13,303	5,828	43.8	4,672	35.1	77	0.6	34	0.3	34	0.3
Melekeok	239	116	48.5	108	45.2	16	6.7	-	-	-	-
Ngaraard	638	252	39.5	174	27.3	39	6.1	4	0.6	4	0.6
Ngarchelong	286	60	21.0	216	75.5	4	1.4	-	-	-	-
Ngardmau	221	201	91.0	5	2.3	5	2.3	-	-	-	-
Ngaremlengui	367	228	62.1	59	16.1	18	4.9	-	-	4	1.1
Ngatpang	280	15	5.4	186	66.4	5	1.8	5	1.8	5	1.8
Ngchesar	267	106	39.7	55	20.6	69	25.8	-	-	33	12.4
Ngiwal	193	163	84.5	26	13.5	-	-	-	-	-	-
Peleliu	571	50	8.8	509	89.1	8	1.4	-	-	-	-
Sonsorol	39	-	-	-	-	39	100.0	-	-	-	-

Source: 2000 Census of Population & Housing, table H06, and Office of Planning, Republic of Palau

Table 4.22 Percentage of Population in Households with Access to Drinking Water by State of Residence: 2000

State of Residence	Persons with Access to Drinking Water								
		Public Water		Rain Water		Bottled Water		Rain & Bottled Water	
	Popula- tion	Persons	% of Popula- tion	Persons	% of Popula- tion	Persons	% of Popula- tion	Persons	% of Popula- tion
Total	19,129	2,493	13.0	10,407	54.4	1,917	10.0	704	3.7
Aimellik	272	5	1.8	223	82.0	-	-	15	5.5
Airai	2,104	182	8.7	1,157	55.0	95	4.5	64	3.0
Angaur	188	8	4.3	176	93.6	4	2.1	-	-
Halohobei	23	-	-	23	100.0	-	-	-	-
Kayangel	138	4	2.9	127	92.0	-	-	7	5.1
Koror	13,303	1,343	10.1	6,956	52.3	1,808	13.6	537	4.0
Melekeok	239	131	54.8	100	41.8	-	-	8	3.3
Ngaraard	638	265	41.5	191	29.9	-	-	17	2.7
Ngarchelong	286	52	18.2	224	78.3	-	-	4	1.4
Ngardmau	221	123	55.7	78	35.3	5	2.3	5	2.3
Ngaremlengui	367	210	57.2	100	27.2	-	-	-	-
Ngatpang	280	-	-	200	71.4	5	1.8	10	3.6
Ngchesar	267	51	19.1	201	75.3	-	-	11	4.1
Ngiwal	193	119	61.7	48	24.9	-	-	22	11.4
Peleliu	571	-	-	564	98.8	-	-	4	0.7
Sonsorol	39	-	-	39	100.0	-	-	-	-

Source: 2000 Census of Population and Housing, table H06, & Office of Planning, Republic of Palau

Table 4.23 Percentage of Population in Households with Access to Toilet Facilities by State of Residence: 2000

State of Residence	Persons with Access to Toilet Facilities										
		In the Unit		Flush Toilet Inside		Flush Toilet Outside		Outhouse or Privy		Other or None	
	Popula- tion	% of Popula- tion		% of Popula- tion		% of Popula- tion		% of Popula- tion		% of Popula- tion	
Total	19,129	3,476	18.2	6,568	34.3	2,172	11.4	3,129	16.4	178	0.9
Aimellik	272	15	5.5	53	19.5	68	25.0	92	33.8	15	5.5
Airai	2,104	227	10.8	713	33.9	204	9.7	354	16.8	-	0.0
Angaur	188	12	6.4	28	14.9	-	0.0	148	78.7	-	0.0
Hatohobei	23	-	-	-	0.0	-	0.0	20	87.0	3	13.0
Kayangel	138	4	2.9	7	5.1	7	5.1	112	81.2	7	5.1
Koror	13,303	2,965	22.3	5,195	39.1	1,324	10.0	1,065	8.0	96	0.7
Melekeok	239	104	43.5	68	28.5	20	8.4	48	20.1	-	0.0
Ngaraard	638	48	7.5	74	11.6	43	6.7	304	47.6	4	0.6
Ngarchelong	286	24	8.4	68	23.8	24	8.4	144	50.3	20	7.0
Ngardmau	221	-	-	14	6.3	55	24.9	142	64.3	-	0.0
Ngaremlengui	367	32	8.7	87	23.7	55	15.0	137	37.3	-	0.0
Ngatpang	280	24	8.6	54	19.3	68	24.3	68	24.3	-	0.0
Ngchesar	267	-	-	44	16.5	26	9.7	186	69.7	7	2.6
Ngiwal	193	4	2.1	70	36.3	84	43.5	31	16.1	-	0.0
Peleliu	571	17	3.0	93	16.3	194	34.0	252	44.1	13	2.3
Sonsorol	39	-	-	-	0.0	-	0.0	26	66.7	13	33.3

Source: 2000 Census of Population and Housing, table H06, and Office of Planning, Republic of Palau

Table 4.24 Percentage of Population in Households with Access to Sewage System by State of Residence: 2000

State of Residence	Sewage System						
		Public Sewer		Public Tank or Cesspool		Other Means	
	Popula- tion	Persons	% of Popula- tion	Persons	% of Popula- tion	Persons	% of Popula- tion
Total	19,129	8,151	42.6	4,250	22.2	3,120	16.3
Aimellik	272	5	1.8	145	53.3	92	33.8
Airai	2,104	82	3.9	1,117	53.1	300	14.3
Angaur	188	12	6.4	88	46.8	88	46.8
Hatohobei	23	-	0.0	-	0.0	23	100.0
Kayangel	138	4	2.9	15	10.9	119	86.2
Koror	13,303	7,977	60.0	1,808	13.6	859	6.5
Melekeok	239	-	0.0	211	88.3	28	11.7
Ngaraard	638	-	0.0	126	19.7	347	54.4
Ngarchelong	286	4	1.4	124	43.4	152	53.1
Ngardmau	221	9	4.1	14	6.3	187	84.6
Ngaremlengui	367	5	1.4	160	43.6	146	39.8
Ngatpang	280	10	3.6	156	55.7	49	17.5
Ngchesar	267	-	0.0	66	24.7	197	73.8
Ngiwal	193	26	13.5	127	65.8	35	18.1
Peleliu	571	17	3.0	93	16.3	459	80.4
Sonsorol	39	-	0.0	-	0.0	39	100.0

Source: 2000 Census of Population and Housing, table H06, and Office of Planning computation, Palau