

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Total Occupied Housing Units	Construction Materials of the Roof		
		Galvanized Iron/Aluminum	Tile Concrete/Clay Tile	Half Galvanized Iron and Half Concrete
MANILA				
Total	354,687	296,396	15,348	22,601
Concrete/Brick/Stone	124,686	108,454	11,819	2,721
Wood	79,863	66,877	1,733	3,582
Half Concrete/Brick/Stone and Half Wood	136,580	116,429	1,643	15,627
Galvanized Iron/Aluminum	2,855	2,192	65	479
Bamboo/Sawali/Cogon/Nipa	474	84	-	9
Asbestos	448	360	23	4
Glass	36	13	4	7
Makeshift/Salvaged/Improvised Materials	7,447	1,342	-	143
Others/Not Reported	2,157	640	59	27
No Walls	141	5	2	2
TONDO				
Total	130,229	110,759	4,964	8,172
Concrete/Brick/Stone	45,459	40,070	3,546	1,044
Wood	31,409	26,062	721	1,638
Half Concrete/Brick/Stone and Half Wood	50,438	43,245	631	5,212
Galvanized Iron/Aluminum	960	647	26	239
Bamboo/Sawali/Cogon/Nipa	234	41	-	4
Asbestos	4	2	1	-
Glass	10	-	-	7
Makeshift/Salvaged/Improvised Materials	936	389	-	19
Others/Not Reported	760	299	39	8
No Walls	19	4	-	1
BINONDO				
Total	3,239	2,270	759	39
Concrete/Brick/Stone	2,421	1,684	701	14
Wood	359	327	21	2
Half Concrete/Brick/Stone and Half Wood	254	192	37	23
Galvanized Iron/Aluminum	3	3	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-
Asbestos	-	-	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	106	57	-	-
Others/Not Reported	63	7	-	-
No Walls	33	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Total Occupied Housing Units	Construction Materials of the Roof		
		Galvanized Iron/Aluminum	Tile Concrete/Clay Tile	Half Galvanized Iron and Half Concrete
QUIAPO				
Total	4,576	3,648	209	473
Concrete/Brick/Stone	1,237	1,007	184	36
Wood	1,555	1,274	14	179
Half Concrete/Brick/Stone and Half Wood	1,625	1,343	11	255
Galvanized Iron/Aluminum	10	6	-	2
Bamboo/Sawali/Cogon/Nipa	-	-	-	-
Asbestos	-	-	-	-
Glass	1	-	-	-
Makeshift/Salvaged/Improvised Materials	97	7	-	-
Others/Not Reported	51	11	-	1
No Walls	-	-	-	-
SAN NICOLAS				
Total	9,782	8,042	510	599
Concrete/Brick/Stone	3,546	2,940	474	89
Wood	3,824	3,177	20	275
Half Concrete/Brick/Stone and Half Wood	1,958	1,692	13	229
Galvanized Iron/Aluminum	171	163	3	3
Bamboo/Sawali/Cogon/Nipa	4	4	-	-
Asbestos	-	-	-	-
Glass	2	1	-	-
Makeshift/Salvaged/Improvised Materials	94	23	-	1
Others/Not Reported	135	42	-	1
No Walls	48	-	-	1
SANTA CRUZ				
Total	25,485	21,655	1,839	914
Concrete/Brick/Stone	6,955	5,321	1,360	161
Wood	6,374	5,417	317	9
Half Concrete/Brick/Stone and Half Wood	11,602	10,568	154	730
Galvanized Iron/Aluminum	136	122	3	3
Bamboo/Sawali/Cogon/Nipa	3	3	-	-
Asbestos	2	2	-	-
Glass	4	2	1	-
Makeshift/Salvaged/Improvised Materials	310	190	-	10
Others/Not Reported	99	30	4	1
No Walls	-	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Total Occupied Housing Units	Construction Materials of the Roof		
		Galvanized Iron/Aluminum	Tile Concrete/Clay Tile	Half Galvanized Iron and Half Concrete
SAMPALOC				
Total	78,438	67,861	3,214	5,244
Concrete/Brick/Stone	30,719	27,695	2,344	474
Wood	13,251	11,210	458	646
Half Concrete/Brick/Stone and Half Wood	32,778	27,973	393	3,930
Galvanized Iron/Aluminum	891	771	16	81
Bamboo/Sawali/Cogon/Nipa	11	6	-	3
Asbestos	3	3	-	-
Glass	10	8	1	-
Makeshift/Salvaged/Improvised Materials	465	114	-	106
Others/Not Reported	300	81	2	4
No Walls	10	-	-	-
SAN MIGUEL				
Total	3,329	2,953	96	206
Concrete/Brick/Stone	1,538	1,469	58	6
Wood	790	687	22	37
Half Concrete/Brick/Stone and Half Wood	934	747	16	155
Galvanized Iron/Aluminum	48	40	-	8
Bamboo/Sawali/Cogon/Nipa	-	-	-	-
Asbestos	-	-	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	9	8	-	-
Others/Not Reported	10	2	-	-
No Walls	-	-	-	-
ERMITA				
Total	1,468	693	44	540
Concrete/Brick/Stone	272	223	18	5
Wood	124	99	-	6
Half Concrete/Brick/Stone and Half Wood	920	360	26	503
Galvanized Iron/Aluminum	32	7	-	23
Bamboo/Sawali/Cogon/Nipa	2	-	-	-
Asbestos	2	-	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	52	2	-	-
Others/Not Reported	54	2	-	3
No Walls	10	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Total Occupied Housing Units	Construction Materials of the Roof		
		Galvanized Iron/Aluminum	Tile Concrete/Clay Tile	Half Galvanized Iron and Half Concrete
INTRAMUROS				
Total	1,070	804	16	94
Concrete/Brick/Stone	42	27	6	8
Wood	535	374	7	19
Half Concrete/Brick/Stone and Half Wood	481	399	2	66
Galvanized Iron/Aluminum	5	4	-	1
Bamboo/Sawali/Cogon/Nipa	-	-	-	-
Asbestos	-	-	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	4	-	-	-
Others/Not Reported	2	-	-	-
No Walls	1	-	1	-
MALATE				
Total	16,558	14,700	986	559
Concrete/Brick/Stone	7,781	6,705	900	159
Wood	2,194	2,082	20	50
Half Concrete/Brick/Stone and Half Wood	6,247	5,808	65	342
Galvanized Iron/Aluminum	60	52	1	5
Bamboo/Sawali/Cogon/Nipa	1	1	-	-
Asbestos	1	-	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	108	28	-	-
Others/Not Reported	164	24	-	3
No Walls	2	-	-	-
PACO				
Total	15,019	11,316	1,061	1,467
Concrete/Brick/Stone	4,587	3,523	898	106
Wood	3,417	2,669	24	248
Half Concrete/Brick/Stone and Half Wood	6,497	5,055	131	1,076
Galvanized Iron/Aluminum	90	33	5	37
Bamboo/Sawali/Cogon/Nipa	2	1	-	-
Asbestos	-	-	-	-
Glass	4	2	2	-
Makeshift/Salvaged/Improvised Materials	360	9	-	-
Others/Not Reported	62	24	1	-
No Walls	-	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Total Occupied Housing Units	Construction Materials of the Roof		
		Galvanized Iron/Aluminum	Tile Concrete/Clay Tile	Half Galvanized Iron and Half Concrete
PANDACAN				
Total	16,055	14,396	266	427
Concrete/Brick/Stone	5,830	5,459	172	25
Wood	4,372	3,847	55	25
Half Concrete/Brick/Stone and Half Wood	5,583	4,945	35	351
Galvanized Iron/Aluminum	159	128	1	25
Bamboo/Sawali/Cogon/Nipa	-	-	-	-
Asbestos	9	2	-	-
Glass	-	-	-	-
Makeshift/Salvaged/Improvised Materials	42	1	-	-
Others/Not Reported	60	14	3	1
No Walls	-	-	-	-
PORT AREA				
Total	11,541	6,468	68	35
Concrete/Brick/Stone	833	794	21	6
Wood	4,569	3,829	14	3
Half Concrete/Brick/Stone and Half Wood	1,044	968	6	17
Galvanized Iron/Aluminum	52	47	1	1
Bamboo/Sawali/Cogon/Nipa	206	27	-	-
Asbestos	426	351	22	4
Glass	3	-	-	-
Makeshift/Salvaged/Improvised Materials	4,249	433	-	4
Others/Not Reported	148	19	4	-
No Walls	11	-	-	-
SANTA ANA				
Total	37,898	30,831	1,316	3,832
Concrete/Brick/Stone	13,466	11,537	1,137	588
Wood	7,090	5,823	40	445
Half Concrete/Brick/Stone and Half Wood	16,219	13,134	123	2,738
Galvanized Iron/Aluminum	238	169	9	51
Bamboo/Sawali/Cogon/Nipa	11	1	-	2
Asbestos	1	-	-	-
Glass	2	-	-	-
Makeshift/Salvaged/Improvised Materials	615	81	-	3
Others/Not Reported	249	85	6	5
No Walls	7	1	1	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Construction Materials of the Roof				
	Wood	Cogon/Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised materials	Asbestos/ Others	Not Reported
MANILA					
Total	9,992	374	7,088	1,149	1,739
Concrete/Brick/Stone	1,045	4	44	417	182
Wood	6,120	17	1,207	212	115
Half Concrete/Brick/Stone and Half Wood	2,611	12	53	35	170
Galvanized Iron/Aluminum	100	1	10	1	7
Bamboo/Sawali/Cogon/Nipa	13	331	26	8	3
Asbestos	4	-	-	46	11
Glass	1	-	-	-	11
Makeshift/Salvaged/Improvised Materials	72	7	5,664	160	59
Others/Not Reported	25	2	33	209	1,162
No Walls	1	-	51	61	19
TONDO					
Total	4,208	196	1,046	306	578
Concrete/Brick/Stone	471	3	11	252	62
Wood	2,412	7	499	20	50
Half Concrete/Brick/Stone and Half Wood	1,239	8	20	13	70
Galvanized Iron/Aluminum	39	-	6	1	2
Bamboo/Sawali/Cogon/Nipa	9	173	7	-	-
Asbestos	1	-	-	-	-
Glass	-	-	-	-	3
Makeshift/Salvaged/Improvised Materials	22	3	497	1	5
Others/Not Reported	14	2	1	12	385
No Walls	1	-	5	7	1
BINONDO					
Total	12	-	82	60	17
Concrete/Brick/Stone	2	-	2	9	9
Wood	8	-	1	-	-
Half Concrete/Brick/Stone and Half Wood	-	-	1	-	1
Galvanized Iron/Aluminum	-	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	2	-	47	-	-
Others/Not Reported	-	-	-	51	5
No Walls	-	-	31	-	2

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Construction Materials of the Roof				
	Wood	Cogon/Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised materials	Asbestos/ Others	Not Reported
QUIAPO					
Total	108	-	90	1	47
Concrete/Brick/Stone	5	-	-	1	4
Wood	86	-	1	-	1
Half Concrete/Brick/Stone and Half Wood	15	-	-	-	1
Galvanized Iron/Aluminum	2	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	1
Makeshift/Salvaged/Improvised Materials	-	-	89	-	1
Others/Not Reported	-	-	-	-	39
No Walls	-	-	-	-	-
SAN NICOLAS					
Total	282	1	161	74	113
Concrete/Brick/Stone	7	-	4	21	11
Wood	250	1	90	-	11
Half Concrete/Brick/Stone and Half Wood	16	-	2	-	6
Galvanized Iron/Aluminum	1	-	-	-	1
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	1
Makeshift/Salvaged/Improvised Materials	5	-	63	-	2
Others/Not Reported	3	-	2	17	70
No Walls	-	-	-	36	11
SANTA CRUZ					
Total	828	-	118	46	85
Concrete/Brick/Stone	67	-	1	31	14
Wood	596	-	27	3	5
Half Concrete/Brick/Stone and Half Wood	136	-	1	1	12
Galvanized Iron/Aluminum	6	-	1	-	1
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	1
Makeshift/Salvaged/Improvised Materials	22	-	87	1	-
Others/Not Reported	1	-	1	10	52
No Walls	-	-	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Construction Materials of the Roof				
	Wood	Cogon/Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised materials	Asbestos/ Others	Not Reported
SAMPALOC					
Total	1,507	3	276	63	270
Concrete/Brick/Stone	139	-	2	39	26
Wood	889	-	27	4	17
Half Concrete/Brick/Stone and Half Wood	449	1	4	3	25
Galvanized Iron/Aluminum	21	1	-	-	1
Bamboo/Sawali/Cogon/Nipa	1	1	-	-	-
Asbestos	-	-	-	-	-
Glass	1	-	-	-	-
Makeshift/Salvaged/Improvised Materials	4	-	240	1	-
Others/Not Reported	3	-	3	7	200
No Walls	-	-	-	9	1
SAN MIGUEL					
Total	57	-	2	8	7
Concrete/Brick/Stone	1	-	-	-	4
Wood	43	-	-	1	-
Half Concrete/Brick/Stone and Half Wood	13	-	1	-	2
Galvanized Iron/Aluminum	-	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	-	-	1	-	-
Others/Not Reported	-	-	-	7	1
No Walls	-	-	-	-	-
ERMITA					
Total	50	-	63	30	48
Concrete/Brick/Stone	2	-	-	23	1
Wood	16	-	3	-	-
Half Concrete/Brick/Stone and Half Wood	26	-	2	1	2
Galvanized Iron/Aluminum	1	-	-	-	1
Bamboo/Sawali/Cogon/Nipa	2	-	-	-	-
Asbestos	2	-	-	-	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	-	-	50	-	-
Others/Not Reported	1	-	-	6	42
No Walls	-	-	8	-	2

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Construction Materials of the Roof				
	Wood	Cogon/Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised materials	Asbestos/ Others	Not Reported
INTRAMUROS					
Total	147	-	6	1	2
Concrete/Brick/Stone	-	-	-	1	-
Wood	135	-	-	-	-
Half Concrete/Brick/Stone and Half Wood	12	-	2	-	-
Galvanized Iron/Aluminum	-	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	-	-	4	-	-
Others/Not Reported	-	-	-	-	2
No Walls	-	-	-	-	-
MALATE					
Total	57	1	78	57	120
Concrete/Brick/Stone	3	-	2	7	5
Wood	33	1	5	1	2
Half Concrete/Brick/Stone and Half Wood	17	-	1	2	12
Galvanized Iron/Aluminum	2	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	1	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	1	-	64	14	1
Others/Not Reported	1	-	6	30	100
No Walls	-	-	-	2	-
PACO					
Total	693	8	419	3	52
Concrete/Brick/Stone	51	-	2	1	6
Wood	392	5	75	1	3
Half Concrete/Brick/Stone and Half Wood	224	2	-	1	8
Galvanized Iron/Aluminum	15	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	1	-	-	-
Asbestos	-	-	-	-	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	10	-	340	-	1
Others/Not Reported	1	-	2	-	34
No Walls	-	-	-	-	-

Table 8. Occupied Housing Units by Construction Materials of the Roof and Outer Walls and City/Municipality: 2007

Construction Materials of the Outer Walls and City/Municipality	Construction Materials of the Roof				
	Wood	Cogon/Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised materials	Asbestos/ Others	Not Reported
PANDACAN					
Total	807	2	61	19	77
Concrete/Brick/Stone	137	1	15	4	17
Wood	430	-	3	2	10
Half Concrete/Brick/Stone and Half Wood	235	-	2	5	10
Galvanized Iron/Aluminum	5	-	-	-	-
Bamboo/Sawali/Cogon/Nipa	-	-	-	-	-
Asbestos	-	-	-	7	-
Glass	-	-	-	-	-
Makeshift/Salvaged/Improvised Materials	-	1	40	-	-
Others/Not Reported	-	-	1	1	40
No Walls	-	-	-	-	-
PORT AREA					
Total	166	153	4,091	436	124
Concrete/Brick/Stone	7	-	2	2	1
Wood	121	2	419	172	9
Half Concrete/Brick/Stone and Half Wood	31	-	13	7	2
Galvanized Iron/Aluminum	-	-	3	-	-
Bamboo/Sawali/Cogon/Nipa	1	148	19	8	3
Asbestos	1	-	-	37	11
Glass	-	-	-	-	3
Makeshift/Salvaged/Improvised Materials	4	3	3,615	142	48
Others/Not Reported	1	-	15	64	45
No Walls	-	-	5	4	2
SANTA ANA					
Total	1,070	10	595	45	199
Concrete/Brick/Stone	153	-	3	26	22
Wood	709	1	57	8	7
Half Concrete/Brick/Stone and Half Wood	198	1	4	2	19
Galvanized Iron/Aluminum	8	-	-	-	1
Bamboo/Sawali/Cogon/Nipa	-	8	-	-	-
Asbestos	-	-	-	1	-
Glass	-	-	-	-	2
Makeshift/Salvaged/Improvised Materials	2	-	527	1	1
Others/Not Reported	-	-	2	4	147
No Walls	-	-	2	3	-