



Republic of the Philippines  
Department of Health  
**OFFICE OF THE SECRETARY**

December 11, 2018

**DEPARTMENT MEMORANDUM**

No. 2018- 0419

**TO :** DOH REGIONAL DIRECTORS, PROGRAM MANAGERS,  
FHSIS COORDINATORS AND OTHERS CONCERNED

**SUBJECT :** Projected Number of Households by region and province to be  
Used in the Preparation of Statistical Reports for CY 2019-2022

This Department Memorandum is issued to address the concern of computing interim national denominators to determine the national and subnational targets for the use of the health sector for the generation of statistical reports.

In relation to the population projections to be used for the health sector (DM No. 2018-0333), the projected number of households per province and region was derived based on the following information and algorithm:


- Use of the population projections indicated in DM No. 2018-0333 and algorithms used to derive estimated populations
- Average provincial and regional household members as reflected in the 2015 Census on Population and Housing
- Number of households per province and region calculated using estimated population divided by average household membership

In the interim that the official PSA 2015 Census-based Population Projections are unavailable, estimated target households developed by the Epidemiology Bureau under this DM shall be used for statistical reports to be prepared for the CY 2019-2022 for the health sector only. These estimates will no longer be used when PSA releases its official population and household projections for CY 2019-2022.

Attached is the computed number of households in the generation of the target households by region and province.

For strict compliance.

By Authority of the Secretary Health:

  
**MYRNA C. CABOTAJE, MD, MPH, CESO III**  
OIC-Undersecretary of Health  
Public Health Services Team

## Projected Number of Households by Region and Province, 2018-2022 \*

Region and Province	Average Household Size (Base on 2015 CPH)	Projected Population Based on Compound Growth Rate from 2010 Census to 2015 Census					Projected No. of Households				
		2018	2019	2020	2021	2022	2018	2019	2020	2021	2022
<b>PHILIPPINES</b>		106,168,803	108,020,395	109,908,955	111,835,329	113,800,381	24,155,621	24,576,545	25,005,823	25,443,643	25,890,198
<b>National Factor (Multiplier)</b>											
<b>AUTONOMOUS REGION IN MUSLIM MINDANAO</b>		4,112,941	4,234,144	4,359,329	4,488,699	4,622,220	674,942	694,891	715,497	736,784	758,777
<b>Regional Factor (Multiplier)</b>											
BASILAN	5.78983	380,174	392,445	405,112	418,188	431,686	65,662	67,782	69,970	72,228	74,559
LANAO DEL SUR	6.52855	1,113,342	1,137,664	1,162,518	1,187,915	1,213,866	170,535	174,260	178,067	181,957	185,932
MAGUINDANAO	6.03543	1,324,216	1,380,136	1,438,418	1,499,161	1,562,470	219,407	228,673	238,329	248,394	258,883
SULU	5.96089	890,413	914,152	938,523	963,544	989,233	149,376	153,358	157,447	161,644	165,954
TAWI-TAWI	5.78588	404,795	409,746	414,758	419,830	424,965	69,963	70,818	71,684	72,561	73,449
<b>CORDILLERA ADMINISTRATIVE REGION</b>		1,783,914	1,805,792	1,827,998	1,850,494	1,873,408	410,472	415,631	420,868	426,185	431,583
<b>Regional Factor (Multiplier)</b>											
ABRA	4.54487	244,800	246,062	247,331	248,606	249,888	53,863	54,141	54,420	54,700	54,982
APAYAO	4.66291	122,978	124,308	125,653	127,012	128,386	26,374	26,659	26,947	27,239	27,533
BENGUET	4.02180	832,635	847,213	862,047	877,141	892,499	207,031	210,655	214,344	218,097	221,915
IFUGAO	4.68571	209,611	212,001	214,418	216,863	219,336	44,734	45,244	45,760	46,282	46,810
KALINGA	5.04998	219,077	221,317	223,581	225,867	228,177	43,382	43,825	44,274	44,726	45,184
MOUNTAIN PROVINCE	4.41207	154,814	154,891	154,968	155,045	155,122	35,089	35,106	35,124	35,141	35,159
<b>CARAGA</b>		2,634,944	2,729,595	2,764,728	2,800,350	2,836,468	596,088	603,761	611,540	619,428	627,426
<b>Regional Factor (Multiplier)</b>											
AGUSAN DEL NORTE	4.49486	720,561	730,795	741,174	751,700	762,376	160,308	162,584	164,894	167,235	169,611
AGUSAN DEL SUR	4.55997	726,455	735,532	744,722	754,028	763,449	159,311	161,302	163,317	165,358	167,424
DINAGAT ISLANDS	4.45257	127,346	127,413	127,479	127,546	127,613	28,601	28,616	28,631	28,645	28,660
SURIGAO DEL NORTE	4.45796	510,391	519,380	528,527	537,835	547,307	114,490	116,506	118,558	120,646	122,771
SURIGAO DEL SUR	4.57488	610,191	616,476	622,826	629,241	635,722	133,379	134,753	136,140	137,543	138,959
			277,197.62	254,314.24							
<b>NATIONAL CAPITAL REGION</b>		13,481,036	13,694,916	13,911,986	14,132,600	14,356,712	3,242,460	3,294,425	3,347,227	3,400,881	3,455,399
<b>Regional Factor (Multiplier)</b>											
CALOOCAN CITY	4.30572	1,634,171	1,651,493	1,668,853	1,686,247	1,703,669	379,535	383,558	387,590	391,630	395,676
LAS PIÑAS	4.14933	608,192	614,860	621,547	628,251	634,971	146,576	148,183	149,795	151,410	153,030
MAKATI	3.78080	613,653	624,587	635,661	646,874	658,226	162,308	165,200	168,129	171,095	174,097
MALABON	4.24087	371,331	373,284	375,214	377,120	379,003	87,560	88,021	88,476	88,925	89,369
MANDALUYONG	3.84906	424,696	438,677	453,079	467,913	483,188	110,338	113,970	117,712	121,565	125,534
MANILA	4.09007	1,854,276	1,880,120	1,906,158	1,932,385	1,958,797	453,361	459,680	466,046	472,458	478,916
MARIKINA	4.58826	464,455	469,181	473,913	478,651	483,394	101,227	102,257	103,288	104,321	105,355
MUNTINLUPA	4.12565	543,030	556,831	570,933	585,340	600,057	131,623	134,968	138,386	141,878	145,445
NAVOTAS	4.09600	248,880	248,638	248,375	248,091	247,784	60,762	60,703	60,638	60,569	60,494
PARAÑAQUE	4.08294	711,792	728,176	744,872	761,883	779,213	174,333	178,346	182,435	186,601	190,846
PASAY CITY	3.87034	429,495	433,969	438,452	442,942	447,437	110,971	112,127	113,285	114,445	115,607
PASIG CITY	4.18189	805,133	822,854	840,891	859,248	877,926	192,528	196,766	201,079	205,469	209,935
PATEROS	4.49958	63,502	63,376	63,244	63,107	62,965	14,113	14,085	14,056	14,025	13,994
QUEZON CITY	4.29806	3,032,346	3,065,597	3,098,943	3,132,373	3,165,880	705,515	713,252	721,010	728,788	736,584
SAN JUAN	4.25122	122,437	122,505	122,562	122,609	122,644	28,800	28,816	28,830	28,841	28,849
TAGUIG CITY	4.05998	908,829	947,362	987,442	1,029,127	1,072,476	223,851	233,342	243,214	253,481	264,158
VALENZUELA	4.05396	644,818	653,305	661,845	670,438	679,082	159,059	161,152	163,259	165,379	167,511
<b>REGION I - ILOCOS REGION</b>		5,187,214	5,243,726	5,300,864	5,358,695	5,417,045	1,186,910	1,201,448	1,214,330	1,227,756	1,241,129
<b>Regional Factor (Multiplier)</b>											
ILOCOS NORTE	4.25648	607,454	612,468	617,525	622,623	627,763	142,713	143,891	145,079	146,276	147,484
ILOCOS SUR	4.39159	707,531	713,771	720,066	726,416	732,822	161,111	162,531	163,965	165,411	166,870
LA UNION	4.35397	812,620	821,732	830,947	840,265	849,687	186,639	188,732	190,848	192,988	195,152
PANGASINAN	4.38309	3,059,609	3,095,754	3,132,327	3,169,331	3,206,773	698,048	706,294	714,638	723,081	731,623
<b>REGION II - CAGAYAN VALLEY</b>		3,581,195	3,626,877	3,673,143	3,720,000	3,767,456	834,790	845,444	856,234	867,161	878,229
<b>Regional Factor (Multiplier)</b>											
BATANES	3.62235	17,613	17,740	17,869	17,998	18,129	4,862	4,897	4,933	4,969	5,005
CAGAYAN	4.40980	1,242,768	1,258,047	1,273,513	1,289,170	1,305,019	281,820	285,284	288,792	292,342	295,936
ISABELA	4.27287	1,654,287	1,675,666	1,697,321	1,719,255	1,741,473	387,161	392,164	397,232	402,366	407,566
NUOVA VIZCAYA	4.06221	470,408	476,796	483,271	489,834	496,486	115,801	117,374	118,967	120,583	122,221
QUIRINO	4.34402	196,119	198,628	201,168	203,742	206,348	45,147	45,724	46,309	46,902	47,502
<b>REGION III - CENTRAL LUZON</b>		11,867,561	12,099,325	12,335,733	12,576,880	12,822,864	2,715,006	2,767,985	2,822,025	2,877,148	2,933,376
<b>Regional Factor (Multiplier)</b>											
AURORA	4.33791	221,966	224,648	227,363	230,110	232,891	51,169	51,787	52,413	53,046	53,687
BATAAN	4.39144	804,530	820,173	836,120	852,378	868,951	183,204	186,766	190,398	194,100	197,874
BULACAN	4.32618	3,515,504	3,595,669	3,677,663	3,761,526	3,847,301	812,611	831,141	850,094	869,479	889,306
NUOVA ECUIA	4.32910	2,268,553	2,310,210	2,352,632	2,395,834	2,439,829	524,025	533,647	543,447	553,426	563,589
PAMPANGA	4.53631	2,772,276	2,830,386	2,889,715	2,950,288	3,012,130	611,130	623,940	637,019	650,372	664,004
TARLAC	4.37838	1,420,364	1,439,516	1,458,926	1,478,598	1,498,535	324,404	328,779	333,212	337,705	342,258
ZAMBALES	4.14639	864,368	878,722	893,313	908,147	923,227	208,463	211,924	215,444	219,021	222,658

## Projected Number of Households by Region and Province, 2018-2022 \*

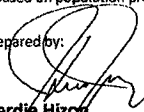
Region and Province	Average Household Size (Based on 2015 CPS)	Projected Population Based on Compound Growth Rate from 2010 Census to 2013 Census					Projected No. of Households					
		2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	
<b>REGION IVA - CALABARZON</b>				76,281	306,458							
<b>Regional Factor (Multiplier)</b>		15,532,965	15,937,325	16,353,304	16,780,825	17,220,213	3,659,217	3,754,758	3,852,949	3,953,867	4,057,531	
BATANGAS	4.38942	2,887,957	2,957,600	3,028,922	3,101,964	3,176,767	657,936	673,802	690,051	706,691	723,733	
CAVITE	4.19052	4,051,031	4,187,538	4,328,644	4,474,506	4,625,282	966,713	999,288	1,032,961	1,067,768	1,103,749	
LAGUNA	3.96477	3,258,735	3,339,271	3,421,797	3,506,362	3,593,018	821,923	842,236	863,051	884,380	906,237	
QUEZON	4.37090	2,202,097	2,229,991	2,258,239	2,286,844	2,315,812	503,808	510,190	516,653	523,197	529,824	
RIZAL	4.41956	3,132,745	3,222,926	3,315,702	3,411,150	3,509,344	708,836	729,241	750,234	771,830	794,048	
<b>REGION IVB - MIMAROPA</b>		3,092,990	3,188,950	3,185,673	3,233,173	3,281,462	722,553	723,149	733,921	744,873	756,007	
<b>Regional Factor (Multiplier)</b>												
MARINDUQUE	4.30251	238,317	239,634	240,959	242,291	243,631	55,390	55,696	56,004	56,314	56,625	
OCCIDENTAL MINDORO	4.36305	507,630	514,763	521,997	529,332	536,770	116,348	117,982	119,640	121,321	123,026	
OCCIDENTAL MINDORO	4.42465	878,330	890,416	902,668	915,088	927,679	198,509	201,240	204,009	206,816	209,662	
PALAWAN	4.29263	1,170,905	1,194,583	1,218,740	1,243,386	1,268,530	272,771	278,287	283,914	289,656	295,513	
ROMBLON	4.28280	297,808	299,553	301,309	303,076	304,852	69,536	69,943	70,353	70,766	71,181	
<b>REGION V - BICOL REGION</b>		6,017,003	6,094,462	6,172,920	6,252,391	6,332,887	1,262,602	1,278,860	1,295,329	1,312,009	1,328,906	
<b>Regional Factor (Multiplier)</b>												
ALBAY	4.74449	1,362,255	1,378,932	1,395,813	1,412,900	1,430,197	287,124	290,639	294,197	297,798	301,444	
CAMARINES NORTE	4.48706	606,997	615,349	623,816	632,399	641,101	135,277	137,139	139,026	140,938	142,878	
CAMARINES SUR	4.87387	2,028,696	2,055,523	2,082,705	2,110,246	2,138,151	416,240	421,744	427,321	432,972	438,697	
CATANDUANES	4.84937	269,469	272,452	275,469	278,519	281,603	55,568	56,183	56,805	57,434	58,070	
MASBATE	4.74644	926,118	937,990	950,013	962,191	974,525	195,118	197,619	200,153	202,718	205,317	
SORSOGON	4.75238	823,469	834,217	845,105	856,136	867,310	173,275	175,537	177,828	180,149	182,500	
<b>REGION VI - WESTERN VISAYAS</b>		7,788,556	7,877,110	7,966,688	8,057,303	8,148,967	1,774,003	1,794,148	1,814,525	1,835,138	1,855,989	
<b>Regional Factor (Multiplier)</b>												
AKLAN	4.30002	597,721	605,792	613,972	622,262	630,665	139,004	140,881	142,783	144,711	146,665	
ANTIQUE	4.48350	602,977	610,348	617,810	625,363	633,008	134,488	136,132	137,796	139,481	141,186	
CAPIZ	4.22761	785,540	794,010	802,571	811,225	819,972	185,812	187,815	189,840	191,887	193,956	
GUIMARAS	4.30346	181,441	183,846	186,284	188,754	191,256	42,162	42,721	43,287	43,861	44,442	
ILOILO	4.49192	2,474,486	2,506,191	2,538,303	2,570,826	2,603,766	550,875	557,933	565,082	572,322	579,655	
NEGROS OCCIDENTAL	4.35992	3,146,391	3,176,921	3,207,748	3,238,874	3,270,302	721,663	728,666	735,736	742,875	750,083	
<b>REGION VII - CENTRAL VISAYAS</b>		7,752,641	7,879,119	8,007,879	8,138,966	8,272,423	1,781,324	1,810,544	1,840,292	1,870,580	1,901,418	
<b>Regional Factor (Multiplier)</b>												
BOHOL	4.55283	1,347,127	1,358,850	1,370,674	1,382,601	1,394,633	295,888	298,463	301,060	303,679	306,322	
CEBU	4.30028	4,912,251	5,012,205	5,114,194	5,218,257	5,324,438	1,142,310	1,165,554	1,189,270	1,213,470	1,238,161	
NEGROS ORIENTAL	4.36148	1,394,438	1,408,244	1,422,187	1,436,268	1,450,489	319,716	322,882	326,079	329,307	332,568	
SIQUJOR	4.22149	98,825	99,819	100,824	101,839	102,864	23,410	23,646	23,884	24,124	24,367	
<b>REGION VIII - EASTERN VISAYAS</b>		4,640,445	4,711,363	4,783,405	4,856,592	4,930,941	1,030,818	1,046,689	1,062,813	1,079,196	1,095,840	
<b>Regional Factor (Multiplier)</b>												
BILIRAN	4.45537	177,332	179,339	181,369	183,423	185,499	39,802	40,252	40,708	41,169	41,635	
EASTERN SAMAR	4.39374	489,843	497,883	506,055	514,361	522,804	111,487	113,317	115,176	117,067	118,988	
LEYTE	4.30912	2,072,750	2,110,443	2,148,821	2,187,896	2,227,682	481,015	489,762	498,668	507,736	516,969	
NORTHERN SAMAR	4.99435	657,789	666,747	675,827	685,030	694,360	131,707	133,500	135,318	137,161	139,029	
SAMAR (WESTERN SAMAR)	4.72200	807,894	817,527	827,274	837,138	847,120	171,091	173,131	175,196	177,285	179,398	
SOUTHERN LEYTE	4.54296	434,837	439,424	444,059	448,743	453,477	95,717	96,726	97,747	98,778	99,820	
<b>REGION IX - ZAMBOANGA PENINSULA</b>		3,759,771	3,806,343	3,853,917	3,899,095	3,946,488	827,758	837,807	847,986	858,297	868,742	
<b>Regional Factor (Multiplier)</b>												
ZAMBOANGA DEL NORTE	4.49852	1,042,275	1,053,095	1,064,027	1,075,073	1,086,234	231,693	234,098	236,528	238,984	241,465	
ZAMBOANGA DEL SUR	4.55940	1,933,765	1,955,269	1,977,013	1,998,998	2,021,229	424,127	428,843	433,612	438,434	443,310	
ZAMBOANGA SIBUGAY	4.49694	661,702	671,808	682,068	692,484	703,060	147,145	149,392	151,674	153,990	156,342	
CITY OF ISABELA (Capital)	4.92180	122,029	125,373	128,809	132,339	135,967	24,793	25,473	26,171	26,888	27,625	
<b>REGION X - NORTHERN MINDANAO</b>		4,922,257	5,004,949	5,089,062	5,174,622	5,261,653	1,094,808	1,113,224	1,131,957	1,151,014	1,170,398	
<b>Regional Factor (Multiplier)</b>												
BUKIDNON	4.58333	1,483,980	1,508,350	1,533,121	1,558,298	1,583,888	323,778	329,095	334,499	339,993	345,576	
CAMIGUIN	4.40627	91,180	92,126	93,082	94,049	95,025	20,693	20,908	21,125	21,344	21,566	
LANAO DEL NORTE	4.69715	1,071,524	1,090,172	1,109,144	1,128,446	1,148,084	228,122	232,092	236,131	240,241	244,422	
MISAMIS OCCIDENTAL	4.46449	622,144	629,169	636,274	643,459	650,726	139,354	140,927	142,519	144,128	145,756	
MISAMIS ORIENTAL	4.31862	1,653,429	1,685,131	1,717,441	1,750,370	1,783,930	382,861	390,201	397,683	405,308	413,079	
<b>REGION XI - DAVAO REGION</b>		5,146,930	5,237,160	5,329,051	5,422,634	5,517,943	1,239,046	1,260,963	1,283,287	1,306,025	1,329,186	
<b>Regional Factor (Multiplier)</b>												
COMPOSTELA VALLEY	4.34340	764,716	774,793	785,003	795,348	805,829	176,064	178,384	180,735	183,116	185,529	
DAVAO DEL NORTE	4.35760	1,057,710	1,072,302	1,087,096	1,102,094	1,117,299	242,727	246,076	249,471	252,913	256,402	
DAVAO DEL SUR	3.98346	2,411,612	2,463,895	2,517,311	2,571,886	2,627,644	605,407	618,532	631,941	645,642	659,639	

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Region and Province	Average Household Size (base on 2015 CPH)	Projected Population Based on Compound Growth Rate from 2010 Census to 2015 Census					Projected No. of Households				
		2018	2019	2020	2021	2022	2018	2019	2020	2021	2022
DAVAO OCCIDENTAL	4.08547	329,604	334,284	339,032	343,846	348,729	80,677	81,823	82,985	84,163	85,358
DAVAO ORIENTAL	4.34736	583,289	591,886	600,609	609,460	618,442	134,171	136,148	138,155	140,191	142,257
<b>REGION XII - SOCCSKSARGEN</b>		<b>4,806,840</b>	<b>4,900,137</b>	<b>4,995,275</b>	<b>5,092,290</b>	<b>5,191,221</b>	<b>1,111,224</b>	<b>1,132,821</b>	<b>1,154,844</b>	<b>1,177,302</b>	<b>1,200,204</b>
Regional Factor (Multiplier)											
COTABATO (NORTH COTABATO)	4.30408	1,472,829	1,506,217	1,540,363	1,575,282	1,610,993	342,193	349,951	357,884	365,997	374,294
SARANGANI	4.37815	571,167	580,709	590,411	600,274	610,303	130,459	132,638	134,854	137,107	139,397
SOUTH COTABATO	4.16727	1,596,325	1,627,188	1,658,647	1,690,715	1,723,403	383,063	390,469	398,018	405,713	413,557
SULTAN KUDARAT	4.39802	850,552	864,172	878,011	892,071	906,356	193,394	196,491	199,638	202,834	206,083
COTABATO CITY	5.08677	315,967	321,850	327,843	333,948	340,166	62,115	63,272	64,450	65,650	66,873

\* Based on population projections for 2018-2022 and the average household size per province in the 2015 Census of Population and Housing

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