

SPECIAL RELEASE

Registered Deaths in the Philippines, 2020

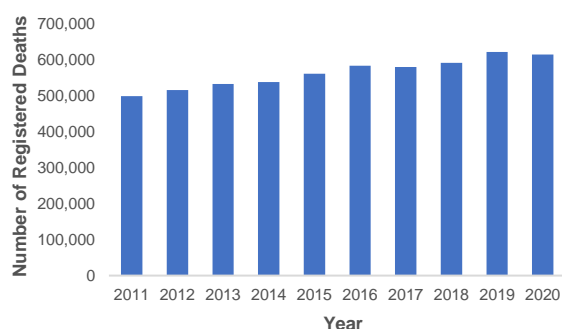
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Explanatory Notes

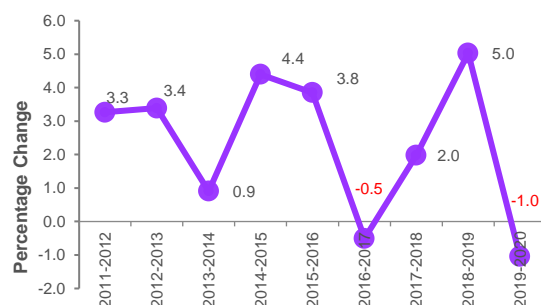
Data on deaths presented in this release were obtained from the Certificates of Death (Municipal Form No. 103) that were registered at the Office of the City/Municipal Civil Registrars all throughout the country and forwarded to the Philippine Statistics Authority. This release shows an overview of the registered deaths which occurred from January to December 2020, including the 10 leading causes of death. Cumulative figures for 2020 reflect updated data which excludes fetal deaths present in the processing of regular deaths and may differ from preliminary counts previously published. Fetal deaths as well as deaths of Filipinos that occurred abroad which were reported to the Philippine Foreign Service Posts are presented in a separate report. Figures shown were not adjusted for under registration.

In 2020, a total of 613,936 deaths were registered in the Philippines, a decline of -1.0 percent from 620,414 in 2019. This is equivalent to a crude death rate¹ of 5.6, or about six deaths per 1,000 population in 2020. This corresponds to an average of 1,677 deaths per day, which translates to 70 deaths per hour or one (1.2) death per minute.

Figure 1. Number and Percentage Change of Registered Deaths
Philippines: 2011 to 2020



(1a) Number of Registered Deaths



(1b) Percentage Change of Registered Deaths

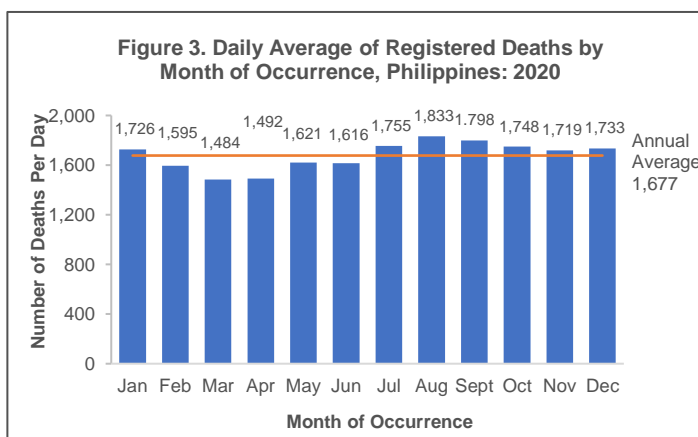
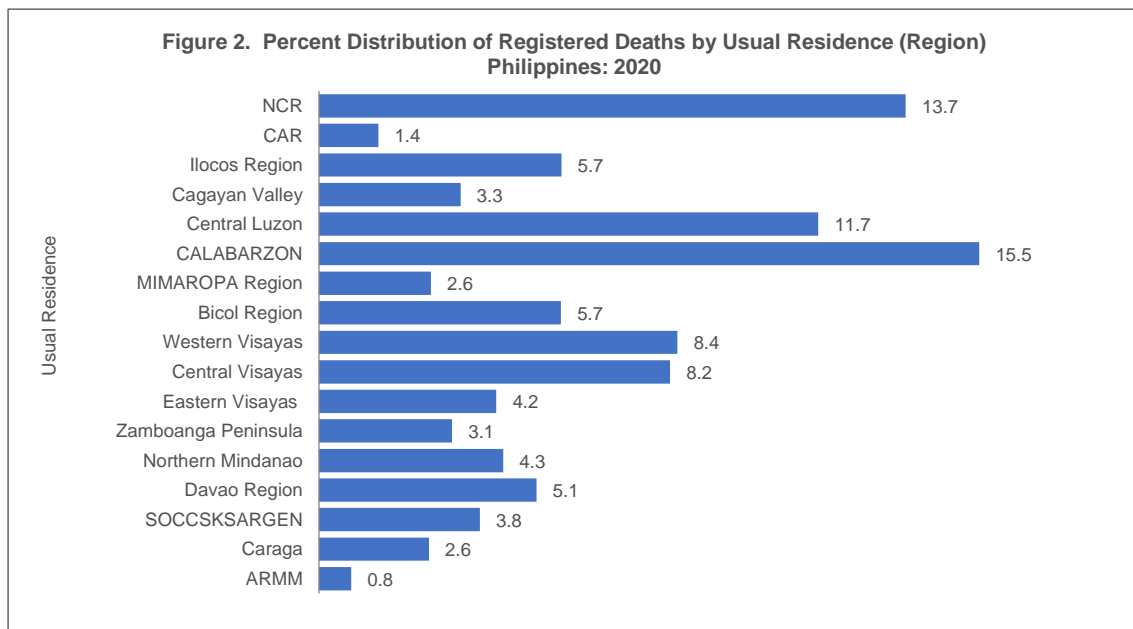
¹ Population estimate used was taken from the updated population projections based on the 2015 Census of Population available at www.psa.gov.ph/statistics/census/projected-population

The number of registered deaths from 2011 to 2020 has trended upward except in the years 2017 and 2020. The increase during the ten-year period was 23.2 percent, from 498,486 in 2011 to 613,936 in 2020. (Figure 1 and Table 1)

Highest number of deaths reported in CALABARZON

The highest number of registered deaths by usual residence occurred in CALABARZON with 94,898 (15.5%), followed by National Capital Region (NCR) with 84,355 (13.7%), and Central Luzon with 71,756 (11.7%). The combined share of these three regions was 40.9 percent of the total registered deaths in 2020.

On the other hand, the three regions which had the least number of registered deaths were Autonomous Region in Muslim Mindanao (ARMM) with 4,626 (0.8%), Cordillera Administrative Region (CAR) with 8,540 (1.4%), and Caraga with 15,806 (2.6%). These regions accounted for only 4.7 percent of the overall registered deaths in the Philippines in the same year. (Figure 2 and Table 2)



August 2020 had the most number of deaths

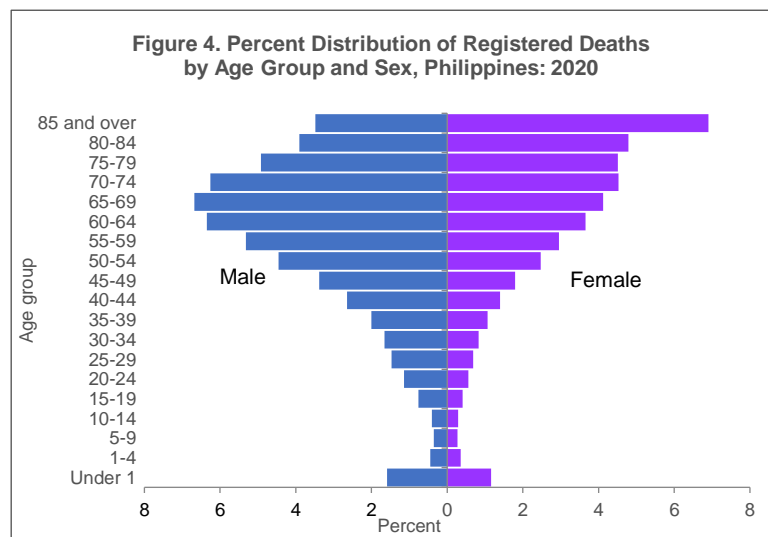
In 2020, the average number of deaths registered per day was the highest in August at 1,833 or about 76 deaths per hour. The month of March had the lowest number of deaths registered per day at 1,484 or equivalent to 62 deaths per hour. (Figure 3 and Table 3)

Daily index refers to the increase/decrease from the overall daily average of event occurrences. The months of February to June fall below the national daily index of 100.0 in 2020. In other words, daily average deaths in these months were lower than the national daily average of 1,677 deaths. (Figure 3 and Table 3)

More male deaths than female deaths recorded

Figure 4 shows the age-sex structure of registered deaths in 2020. It shows an inverted pyramid, with fewer deaths at the younger ages, except for children under one, and progressively increasing as people grow older. In the Philippines, the number of male deaths (351,426) was higher than female deaths (262,510) in 2020. The proportion of males who died was highest at the age of 65 to 69 years old (41,021 or 11.7% of male deaths) while for females, the largest was at the oldest age group, 85 years old and over (42,386 or 16.1% of female deaths). (Figure 4 and Table 4)

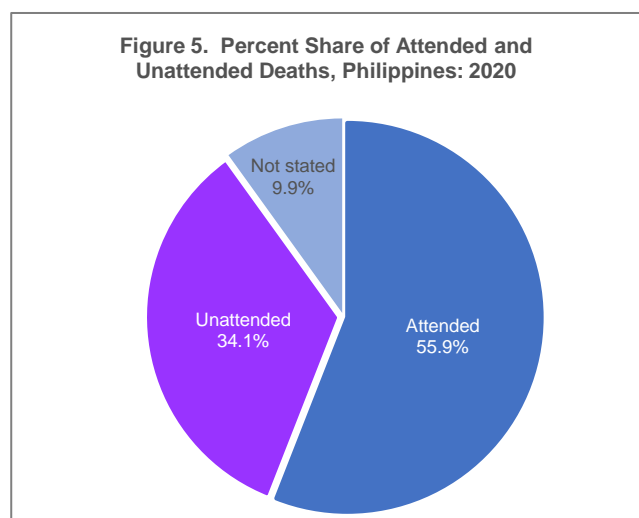
The sex ratio of 134 indicates that there were about 134 male deaths for every 100 female deaths. Moreover, sex ratio of over a hundred means that more male deaths were registered compared to their female counterparts at each age group before 80 years old. Further, higher proportions of female deaths were observed in the older age groups (80 years old and over) compared to its male counterparts. (Figure 4 and Table 4)



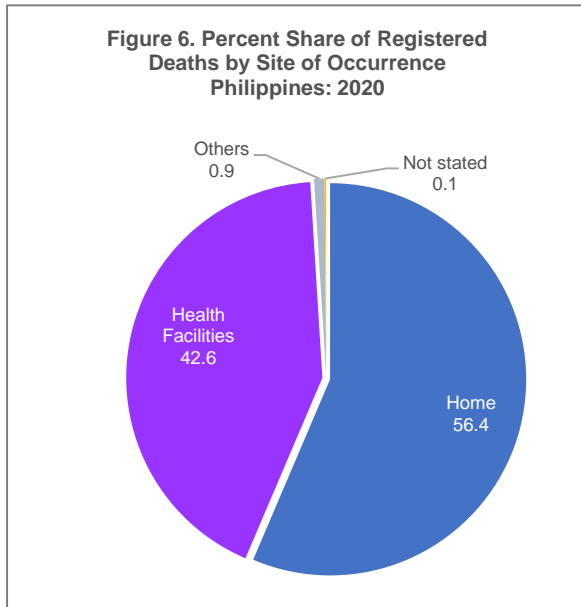
Six out of ten deaths were attended by health care provider

Attendant refers to a private physician, public health officer, hospital authority, or any other allied health care provider who provided medical attendance to the deceased.

Out of 613,936 registered deaths, 55.9 percent or 343,471 deaths were medically attended. Only two regions, namely: MIMAROPA Region (46.4%), and Eastern Visayas (52.5%) had more unattended than attended deaths. (Figure 5 and Table 5)



Note: Details may not add up to 100.0% due to rounding



Over half of the total registered deaths occurred at home

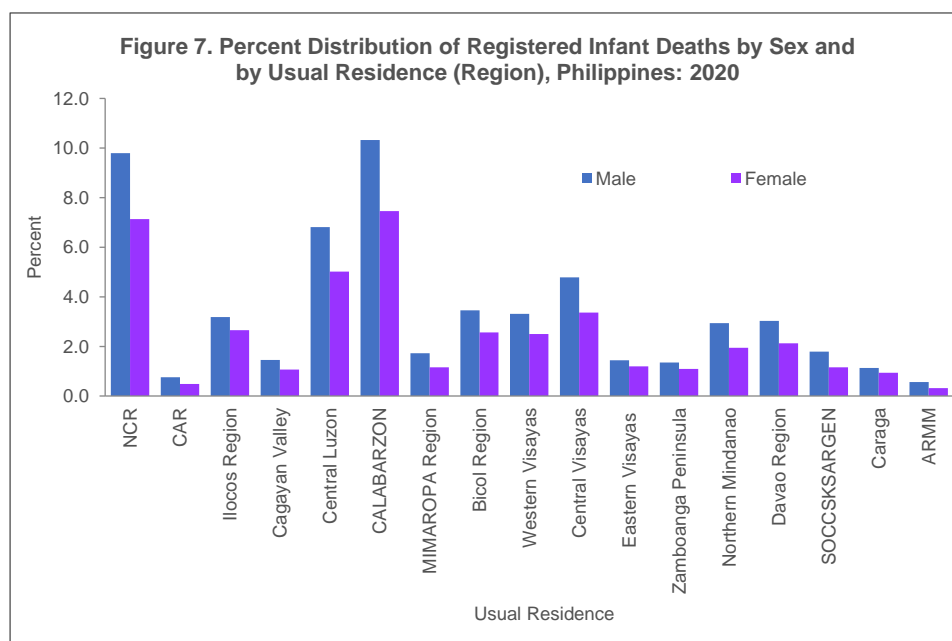
In 2020, 346,347 or 56.4 percent of the total deaths occurred at home while 261,531 or 42.6 percent died in any health facilities. Some (0.9%) died in places other than home and health facilities, such as on the street, in public places, on board a vehicle, airplane or vessel while in transit, among others. However, 0.1 percent of deaths have undetermined or unspecified sites because of the missing information in the place of death or usual residence of the decedent.

Among the 17 regions, only NCR had more deaths that occurred in hospital facilities than any other site of occurrence at 60.3 percent. (Figure 6 and Table 6)

Highest number of infant deaths recorded in CALABARZON

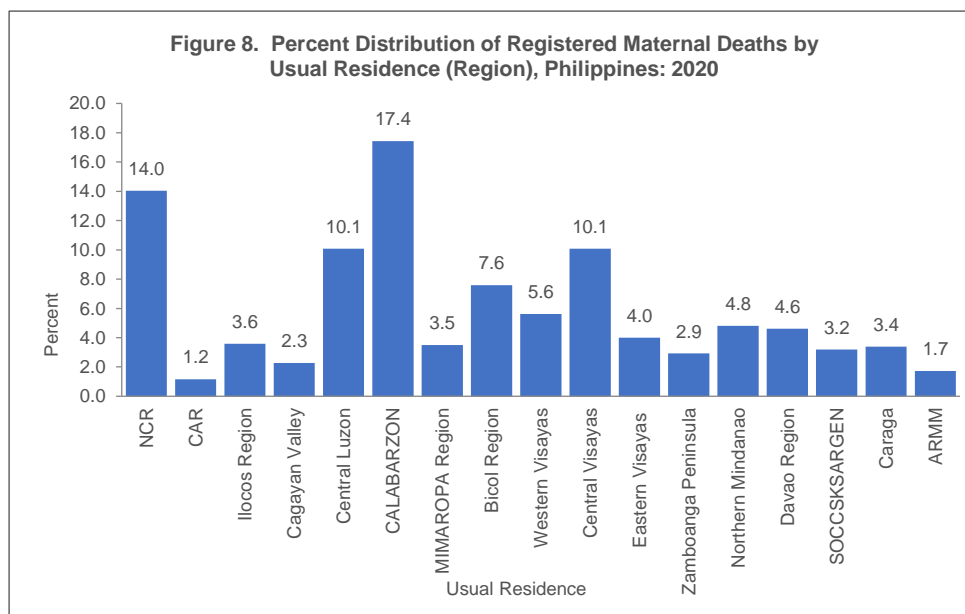
Infant deaths are deaths that occurred before reaching age 1. At the national level, 16,885 infant deaths were registered in 2020. Six out of ten deaths were males (9,767 or 57.8%). The three regions with the highest number of infant deaths recorded were CALABARZON (3,000 or 17.8%), NCR (2,859 or 16.9%), and Central Luzon (1,996 or 11.8%).

On the other hand, ARMM (150 or 0.9%), CAR (210 or 1.2%) and Caraga (349 or 2.1%) had the least number of registered infant deaths. (Figure 7 and Table 7)



Highest number of maternal deaths recorded in CALABARZON

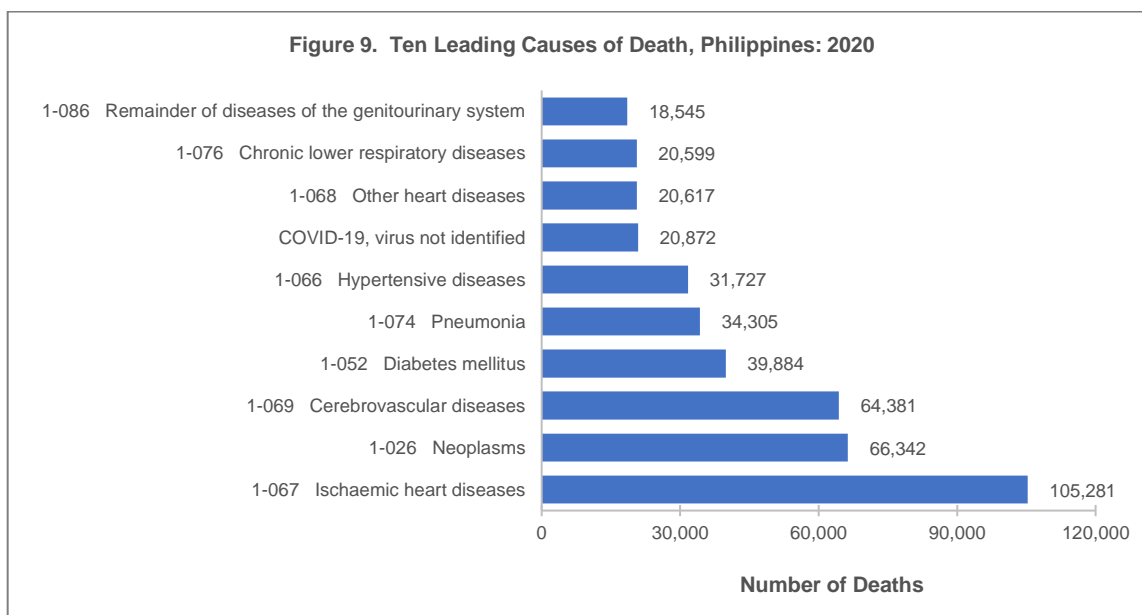
A maternal death is defined by the World Health Organization as, “the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.” In 2020, a total of 1,975 women were identified as having died of maternal causes in the country.



Among all regions, CALABARZON recorded the highest number of maternal deaths with 344 (17.4% share), followed by NCR with 277 (14.0%), and Central Luzon and Central Visayas with 199 each or 10.1 percent share. On the other hand, CAR (23 or 1.2%) and ARMM (34 or 1.7%), recorded the least number of maternal deaths. (Figure 8 and Table 8)

Ischaemic heart diseases led causes of deaths

Deaths due to ischaemic heart diseases were the biggest contributors among the total deaths in 2020, making up some 17.1 percent (105,281) of the total registered deaths. This was followed by deaths due to neoplasms, also known as “cancer”, at some 10.8 percent (66,342). Cerebrovascular diseases (including stroke) were behind accounting for 10.5 percent (64,381) of the total deaths. Mortality due to Coronavirus disease 2019 (COVID-19), virus not identified, also ranked among the leading causes of deaths with 20,872 or 3.4 percent of the total registered deaths, making it the 7th leading cause of death. By sex, similar trend with some deviations in the ranking among the leading causes of deaths was observed. (Figure 9 and Table 9)



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Attachments:

1. *Table 1. Number and Percentage Change of Registered Deaths, Philippines: 2011-2020*
2. *Table 2. Number and Percent Share of Registered Deaths by Sex and by Usual Residence (Region), Philippines: 2020*
3. *Table 3. Number and Percent Share of Registered Deaths, Daily Average and Daily Index, by Month, Philippines: 2020*
4. *Table 4. Number and Percent Share of Registered Deaths by Sex, Sex Ratio and Age Group, Philippines: 2020*
5. *Table 5. Number and Percent Share of Registered Deaths by Attendant and Usual Residence (Region), Philippines: 2020*
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Table 1. Number and Percentage Change of Registered Deaths, Philippines: 2011-2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Number	498,486	514,745	532,176	536,999	560,605	582,183	579,237	590,709	620,414	613,936
Per Day	1,366	1,406	1,458	1,471	1,536	1,591	1,587	1,618	1,700	1,677
Per Hour	57	59	61	61	64	66	66	67	71	70
Percent Change	2.1	3.3	3.4	0.9	4.4	3.8	-0.5	2.0	5.0	-1.0

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the country and submitted to the Office of the Civil Registrar General using Certificate of Death-Municipal Form 103)

Note: Figures are results of actual registration without any adjustment for under registration

Table 2. Number and Percent Share of Registered Deaths by Sex and by Usual Residence (Region), Philippines: 2020

Usual Residence (Region)	Number			Percent		
	Both Sexes	Male	Female	Both Sexes	Male	Female
Total	613,936	351,426	262,510	100.0	57.2	42.8
National Capital Region	84,355	48,100	36,255	13.7	7.8	5.9
Cordillera Administrative Region	8,540	4,885	3,655	1.4	0.8	0.6
Region I - Ilocos Region	34,848	19,347	15,501	5.7	3.2	2.5
Region II - Cagayan Valley	20,352	11,822	8,530	3.3	1.9	1.4
Region III - Central Luzon	71,756	40,870	30,886	11.7	6.7	5.0
Region IV-A - CALABARZON	94,898	54,261	40,637	15.5	8.8	6.6
MIMAROPA Region	16,090	9,421	6,669	2.6	1.5	1.1
Region V - Bicol	34,789	20,109	14,680	5.7	3.3	2.4
Region VI - Western Visayas	51,505	29,437	22,068	8.4	4.8	3.6
Region VII - Central Visayas	50,477	28,115	22,362	8.2	4.6	3.6
Region VIII - Eastern Visayas	25,492	14,264	11,228	4.2	2.3	1.8
Region IX - Zamboanga Peninsula	19,143	11,156	7,987	3.1	1.8	1.3
Region X - Northern Mindanao	26,485	15,373	11,112	4.3	2.5	1.8
Region XI - Davao	31,270	18,468	12,802	5.1	3.0	2.1
Region XII - SOCCSKSARGEN	23,130	13,848	9,282	3.8	2.3	1.5
Region XIII - Caraga	15,806	9,076	6,730	2.6	1.5	1.1
Autonomous Region in Muslim Mindanao	4,626	2,578	2,048	0.8	0.4	0.3
Foreign Countries	374	296	78	0.1	0.0	0.0

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the country and submitted to the Office of the Civil Registrar General using Certificate of Death-Municipal Form 103)

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0.0 – less than 0.05

Table 3. Number and Percent Share of Registered Deaths, Daily Average and Daily Index, by Month, Philippines: 2020

Month	Number	Percent	Daily Average	Daily Index
Total	613,936	100.0	1,677	100.0
January	53,500	8.7	1,726	102.9
February	46,256	7.5	1,595	95.1
March	45,996	7.5	1,484	88.5
April	44,768	7.3	1,492	89.0
May	50,251	8.2	1,621	96.6
June	48,484	7.9	1,616	96.3
July	54,412	8.9	1,755	104.6
August	56,827	9.3	1,833	109.3
September	53,953	8.8	1,798	107.2
October	54,200	8.8	1,748	104.2
November	51,558	8.4	1,719	102.5
December	53,731	8.8	1,733	103.3

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Table 4. Number and Percent Share of Registered Deaths by Sex, Sex Ratio and Age Group, Philippines: 2020

Age Group	Both Sexes		Male		Female		Sex Ratio
	Number	Percent	Number	Percent	Number	Percent	
Total	613,936	100.0	351,426	100.0	262,510	100.0	133.9
Under 1	16,885	2.8	9,767	2.8	7,118	2.7	137.2
1-4	4,948	0.8	2,734	0.8	2,214	0.8	123.5
5-9	3,841	0.6	2,190	0.6	1,651	0.6	132.6
10-14	4,251	0.7	2,459	0.7	1,792	0.7	137.2
15-19	7,181	1.2	4,657	1.3	2,524	1.0	184.5
20-24	10,434	1.7	7,019	2.0	3,415	1.3	205.5
25-29	13,229	2.2	9,015	2.6	4,214	1.6	213.9
30-34	15,264	2.5	10,154	2.9	5,110	1.9	198.7
35-39	18,841	3.1	12,287	3.5	6,554	2.5	187.5
40-44	24,807	4.0	16,240	4.6	8,567	3.3	189.6
45-49	31,789	5.2	20,767	5.9	11,022	4.2	188.4
50-54	42,535	6.9	27,381	7.8	15,154	5.8	180.7
55-59	50,785	8.3	32,655	9.3	18,130	6.9	180.1
60-64	61,436	10.0	38,992	11.1	22,444	8.5	173.7
65-69	66,301	10.8	41,021	11.7	25,280	9.6	162.3
70-74	66,216	10.8	38,421	10.9	27,795	10.6	138.2
75-79	57,903	9.4	30,209	8.6	27,694	10.5	109.1
80-84	53,421	8.7	24,002	6.8	29,419	11.2	81.6
85 and over	63,775	10.4	21,389	6.1	42,386	16.1	50.5
Not Stated	94	0.0	67	0.0	27	0.0	-

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Table 5. Number and Percent Share of Registered Deaths by Attendant and Usual Residence (Region), Philippines: 2020

Usual Residence (Region)	Total	Attended					Unattended		Not Stated	
		% Attended	Private Physician	Public Health Officer	Hospital Authority	Others	%	Number	%	Number
Total	613,936	343,471	88,769	77,433	157,051	20,218		209,437		61,028
% to Total	100.0	55.9	14.5	12.6	25.6	3.3	34.1		9.9	
National Capital Region	84,355	69.0	13,581	5,795	35,515	3,305	24.0	20,246	7.0	5,913
Cordillera Administrative Region	8,540	70.6	732	430	2,556	2,308	23.3	1,986	6.2	528
Region I - Ilocos Region	34,848	54.7	2,951	4,105	9,707	2,296	44.4	15,477	0.9	312
Region II - Cagayan Valley	20,352	58.6	2,520	4,087	5,013	315	30.4	6,191	10.9	2,226
Region III - Central Luzon	71,756	60.4	15,040	11,620	15,788	920	21.1	15,172	18.4	13,216
Region IV-A - CALABARZON	94,898	63.2	17,095	20,335	19,023	3,538	34.7	32,884	2.1	2,023
MIMAROPA Region	16,090	44.2	1,740	1,103	3,962	301	46.4	7,465	9.4	1,519
Region V - Bicol	34,789	52.1	3,237	5,579	9,181	133	41.7	14,512	6.2	2,147
Region VI - Western Visayas	51,505	56.0	5,469	6,982	14,357	2,014	35.5	18,292	8.5	4,391
Region VII - Central Visayas	50,477	43.6	5,389	4,367	10,802	1,454	33.6	16,948	22.8	11,517
Region VIII - Eastern Visayas	25,492	37.5	2,312	1,523	5,140	577	52.5	13,378	10.1	2,562
Region IX - Zamboanga Peninsula	19,143	52.6	3,881	1,517	3,915	752	30.0	5,737	17.5	3,341
Region X - Northern Mindanao	26,485	51.1	5,339	2,595	5,260	327	44.7	11,835	4.3	1,129
Region XI - Davao	31,270	38.5	3,076	574	8,275	109	37.9	11,848	23.6	7,388
Region XII - SOCCSKSARGEN	23,130	49.4	4,465	3,567	3,087	305	48.1	11,122	2.5	584
Region XIII – Caraga	15,806	63.1	1,443	2,625	4,655	1,245	29.6	4,677	7.3	1,161
Autonomous Region in Muslim Mindanao	4,626	43.8	401	609	737	277	34.7	1,605	21.6	997
Foreign Countries	374	63.6	98	20	78	42	16.6	62	19.8	74

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the country and submitted to the Office of the Civil Registrar General using Certificate of Death-Municipal Form 103)

Note: Figures are results of actual registration without any adjustment for under registration.

Table 6. Number and Percent Share of Registered Deaths by Site and Place of Occurrence (Region), Philippines: 2020

Place of Occurrence (Region)	Total	Site of Occurrence			
		Health Facilities	Home	Others	Not stated
Total	613,936	261,531	346,347	5,332	726
% to Total	100.0	42.6	56.4	0.9	0.1
National Capital Region	93,637	60.3	38.9	0.9	0.0
Cordillera Administrative Region	8,487	39.4	60.0	0.6	0.0
Region I - Ilocos Region	34,612	42.7	57.3	0.0	0.0
Region II - Cagayan Valley	20,206	43.3	56.3	0.1	0.3
Region III - Central Luzon	70,738	43.5	54.2	2.2	0.0
Region IV-A - CALABARZON	88,769	37.2	62.6	0.2	0.0
MIMAROPA Region	15,818	36.3	62.9	0.6	0.2
Region V - Bicol	34,340	44.9	55.0	0.1	0.0
Region VI - Western Visayas	51,302	38.8	60.5	0.7	0.0
Region VII - Central Visayas	50,633	35.4	64.2	0.4	0.1
Region VIII - Eastern Visayas	25,258	30.4	69.1	0.4	0.1
Region IX - Zamboanga Peninsula	18,929	38.7	59.8	0.6	0.9
Region X - Northern Mindanao	26,576	45.0	54.6	0.4	0.1
Region XI - Davao	32,255	43.5	51.9	4.6	0.0
Region XII - SOCCSKSARGEN	22,919	34.9	64.0	0.6	0.5
Region XIII - Caraga	15,165	37.6	60.5	0.6	1.3
Autonomous Region in Muslim Mindanao	4,292	17.1	81.8	0.5	0.6

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0.0 – less than 0.05

Table 7. Number and Percent Share of Registered Infant Deaths by Sex and Usual Residence (Region), Philippines: 2020

Usual Residence (Region)	Number			Percent		
	Both Sexes	Male	Female	Both Sexes	Male	Female
Total	16,885	9,767	7,118	100.0	57.8	42.2
National Capital Region	2,859	1,654	1,205	16.9	9.8	7.1
Cordillera Administrative Region	210	128	82	1.2	0.8	0.5
Region I - Ilocos Region	986	538	448	5.8	3.2	2.7
Region II - Cagayan Valley	425	245	180	2.5	1.5	1.1
Region III - Central Luzon	1,996	1,149	847	11.8	6.8	5.0
Region IV-A - CALABARZON	3,000	1,742	1,258	17.8	10.3	7.5
MIMAROPA Region	487	292	195	2.9	1.7	1.2
Region V - Bicol	1,015	583	432	6.0	3.5	2.6
Region VI - Western Visayas	983	560	423	5.8	3.3	2.5
Region VII - Central Visayas	1,376	808	568	8.1	4.8	3.4
Region VIII - Eastern Visayas	445	243	202	2.6	1.4	1.2
Region IX - Zamboanga Peninsula	412	228	184	2.4	1.4	1.1
Region X - Northern Mindanao	824	496	328	4.9	2.9	1.9
Region XI - Davao	871	512	359	5.2	3.0	2.1
Region XII - SOCCSKSARGEN	497	302	195	2.9	1.8	1.2
Region XIII - Caraga	349	191	158	2.1	1.1	0.9
Autonomous Region in Muslim Mindanao	150	96	54	0.9	0.6	0.3

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the country and submitted to the Office of the Civil Registrar General using Certificate of Death-Municipal Form 103)

Note: Figures are results of actual registration without any adjustment for under registration

Table 8. Number and Percent Share of Maternal Deaths by Usual Residence (Region), Philippines: 2020

Usual Residence (Region)	Number	Percent
Total	1,975	100.0
National Capital Region	277	14.0
Cordillera Administrative Region	23	1.2
Region I - Ilocos Region	71	3.6
Region II - Cagayan Valley	45	2.3
Region III - Central Luzon	199	10.1
Region IV-A - CALABARZON	344	17.4
MIMAROPA Region	69	3.5
Region V - Bicol	150	7.6
Region VI - Western Visayas	111	5.6
Region VII - Central Visayas	199	10.1
Region VIII - Eastern Visayas	79	4.0
Region IX - Zamboanga Peninsula	58	2.9
Region X - Northern Mindanao	95	4.8
Region XI - Davao	91	4.6
Region XII - SOCCSKSARGEN	63	3.2
Region XIII - Caraga	67	3.4
Autonomous Region in Muslim Mindanao	34	1.7

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Table 9. Ten Leading Causes of Death by Sex, Philippines: 2020

Leading Cause/Sex	Number	Percent
BOTH SEXES		
<i>All causes of death</i>	613,936	100.0
1-067 Ischaemic heart diseases	105,281	17.1
1-026 Neoplasms	66,342	10.8
1-069 Cerebrovascular diseases	64,381	10.5
1-052 Diabetes mellitus	39,884	6.5
1-074 Pneumonia	34,305	5.6
1-066 Hypertensive diseases	31,727	5.2
COVID-19, virus not identified	20,872	3.4
1-068 Other heart diseases	20,617	3.4
1-076 Chronic lower respiratory diseases	20,599	3.4
1-086 Remainder of diseases of the genitourinary system	18,545	3.0
<i>Other causes of death</i>	191,383	31.2
MALE		
<i>All causes of death</i>	351,426	100.0
1-067 Ischaemic heart diseases	62,171	17.7
1-069 Cerebrovascular diseases	36,593	10.4
1-026 Neoplasms	30,895	8.8
1-052 Diabetes mellitus	20,090	5.7
1-074 Pneumonia	17,621	5.0
1-066 Hypertensive diseases	17,002	4.8
1-076 Chronic lower respiratory diseases	14,691	4.2
1-005 Respiratory tuberculosis	13,254	3.8
COVID-19, virus not identified	12,474	3.5
1-068 Other heart diseases	11,072	3.2
<i>Other causes of death</i>	115,563	32.9
FEMALE		
<i>All causes of death</i>	262,510	100.0
1-067 Ischaemic heart diseases	43,110	16.4
1-026 Neoplasms	35,447	13.5
1-069 Cerebrovascular diseases	27,788	10.6
1-052 Diabetes mellitus	19,794	7.5
1-074 Pneumonia	16,684	6.4
1-066 Hypertensive diseases	14,725	5.6
1-068 Other heart diseases	9,545	3.6
COVID-19, virus not identified	8,398	3.2
1-086 Remainder of diseases of the genitourinary system	7,476	2.8
1-076 Chronic lower respiratory diseases	5,908	2.3
<i>Other causes of death</i>	73,635	28.1

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the country and submitted to the Office of the Civil Registrar General using Certificate of Death-Municipal Form 103)

Note: Figures are results of actual registration without any adjustment for under registration

Causes of death are coded based on the ICD-10 Rules and Guidelines

Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) was not included in the top 10 causes of death