

SPECIAL RELEASE

Registered Deaths in Davao Region: 2020

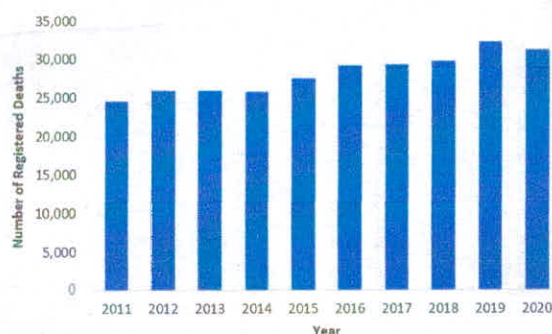
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An average of 85 deaths daily in Davao Region

In 2020, a total of 31,270 deaths were reported in Davao Region as their usual residence, a decline of 3.4 percent from 32,384 in 2019. This is equivalent to a crude death rate¹ of 5.9, or about six deaths per 1,000 population in 2020. This corresponds to an average of 85 deaths per day, which translates to 4 deaths per hour.

**Figure 1. Number and Percentage Change of Registered Deaths
 Davao Region: 2011 to 2020**



(1a) Number of Registered Deaths



(1b) Percentage Change of Registered Deaths

The number of registered deaths in Davao Region from 2011 to 2020 showed an increasing trend except in the years 2013, 2014 and 2020. The increase during the ten-year period was 27.4 percent, from 24,537 in 2011 to 31,270 in 2020. (Figure 1 and Table 1)

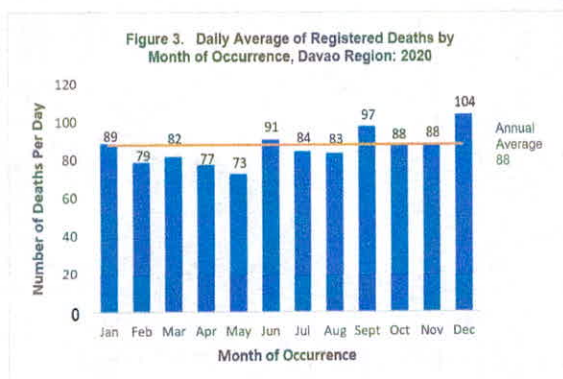
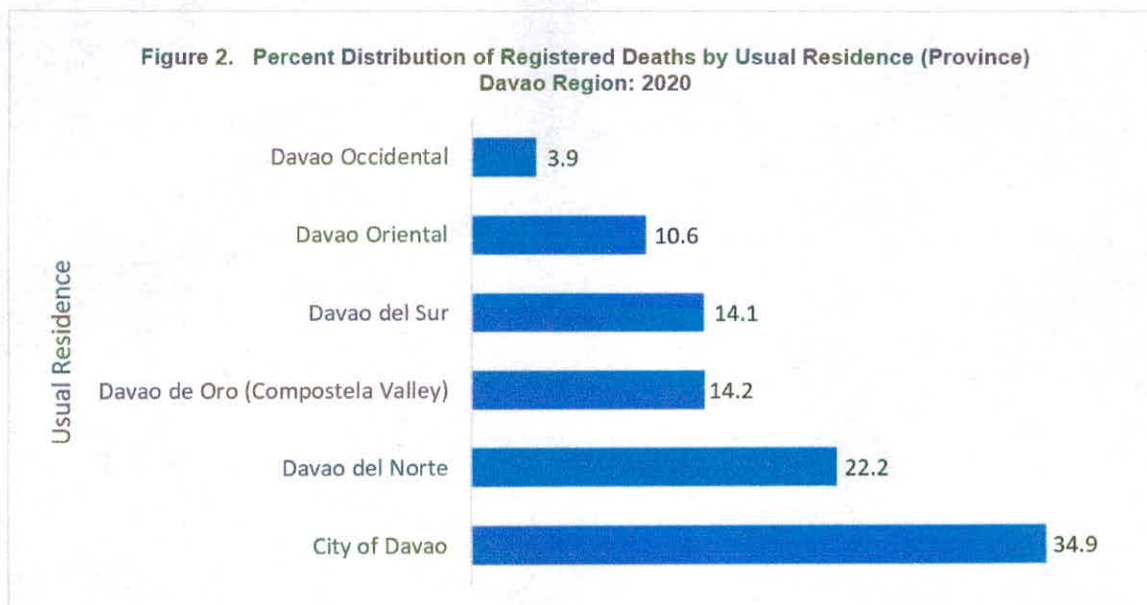
¹Population estimate used was taken from the updated population projections based on the 2015 Census of Population available at www.psa.gov.ph/statistics/census/projected-population

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Highest number of deaths reported in City of Davao

The highest number of registered deaths by usual residence occurred in City of Davao with 10,917 (34.9%), followed by Davao del Norte with 6,945 (22.2%), and Davao de Oro with 4,432 (14.2%). The combined share of these two provinces and Highly Urbanized City was 71.3 percent of the total registered deaths in the region.

On the other hand, Davao Occidental had the least number of deaths with 1,232 (3.9%). (Figure 2 and Table 2)



December 2020 had the most number of deaths

The number of deaths reported in Davao Region as the place of occurrence in 2020 was 32,255. In terms of daily average, December recorded the highest average deaths with 104 or about 4 deaths per hour. The month of May had the lowest number of deaths registered per day at 73. (Figure 3 and Table 3)

Registration of the 703 deaths were done in 2021.

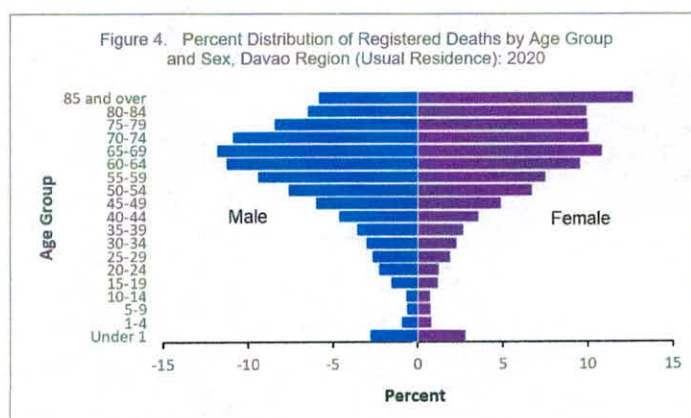
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Daily index refers to the increase/decrease from the overall daily average of event occurrences. The months of February to May, July and August fall below the regional daily index of 100.0 in 2020. In other words, daily average deaths in these months were lower than the regional daily average of 88 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 in Davao Region. It shows an inverted pyramid, with fewer deaths at the younger ages, except for children under one, and progressively increasing as people grow older. The number of male deaths (18,468) was higher than female deaths (12,802). The proportion of males who died was highest at the age of 65 to 69 years old (2,179 or 11.8% of male deaths) while for females, the largest was at the oldest age group, 85 years old and over (1,617 or 12.6% of female deaths). (Figure 4 and Table 4)

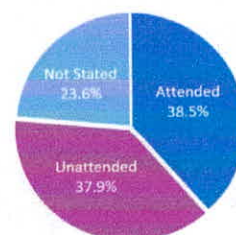
The sex ratio of 144 indicates that there were about 144 male deaths for every 100 female deaths. Moreover, sex ratio of over a hundred means that there were more male deaths compared to their female counterparts at each age group before 80 years old. Higher proportions of female deaths were observed in the older age groups (80 years old and over) compared to its male counterparts. (Figure 4 and Table 4)



Two out of five 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.

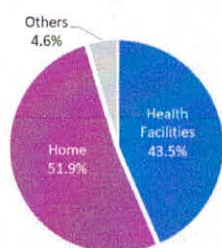
Figure 5. Percent Share of Attended and Unattended Deaths, Davao Region (Usual Residence): 2020



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Out of 31,270 registered deaths (usual residence), 38.5 percent or 12,034 deaths were medically attended. Four provinces namely: Davao Occidental (53.2%), Davao Oriental (57.3%), Davao de Oro (61.0%) and Davao del Norte (61.7)% had more unattended than attended deaths. (Figure 5 and Table 5).

Figure 6. Percent Share of Registered Deaths by Site of Occurrence
 Davao Region: 2020



Over half of the total registered deaths occurred at home

In 2020, 16,742 or 51.9 percent of the total deaths occurred at home while 14,034 or 43.5 percent died in health facilities. Some (4.6%) died in places other than home and health facilities, such as on the street, in public places, on board a vehicle, or vessel while in transit, among others.

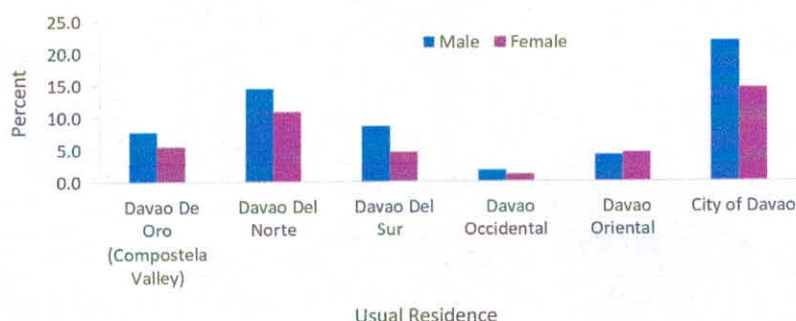
Among the five provinces and Highly Urbanized City, only Davao del Norte and City of Davao had more deaths that occurred in hospital facilities than any other site of occurrence at 54.5 percent and 54.3 percent, respectively. (Figure 6 and Table 6)

Highest number of infant deaths recorded in City of Davao

Infant deaths are deaths that occurred before reaching age 1. At the regional level, 871 infant deaths were registered in 2020. Three out of five deaths were males (512 or 58.8%).

City of Davao recorded the highest number of infant deaths (319 or 36.6%) followed by Davao del Norte (221 or 25.4%). On the other hand, Davao Occidental had the least number of registered infant deaths at 25 or 2.9 percent. (Figure 7 and Table 7)

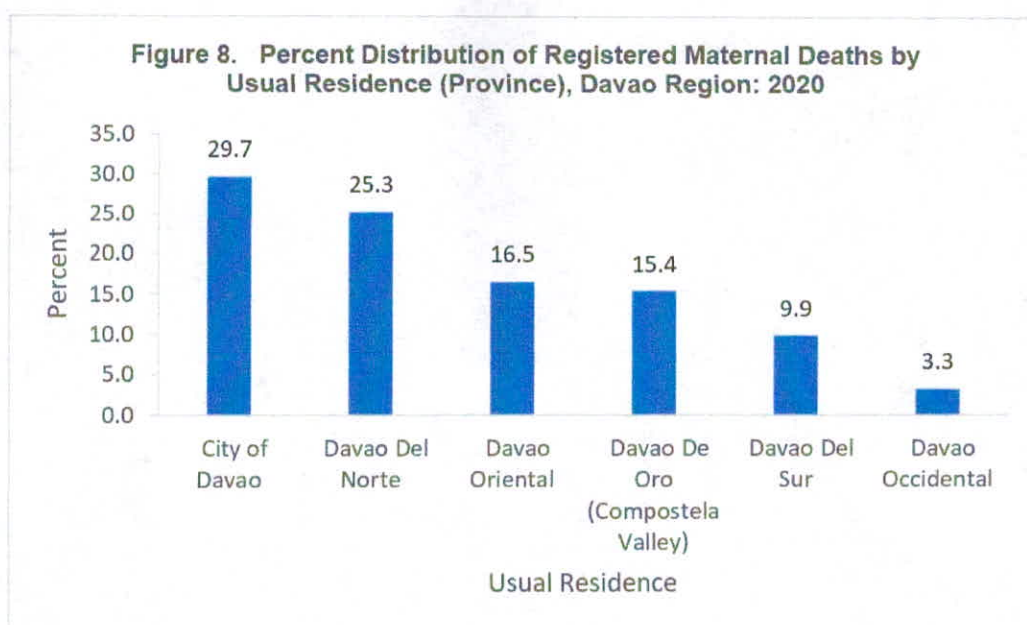
Figure 7. Percent Distribution of Registered Infant Deaths by Sex and by Usual Residence (Province), Davao Region: 2020



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Highest number of maternal deaths recorded in City of Davao

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 91 women in the region were identified to have died of maternal causes.



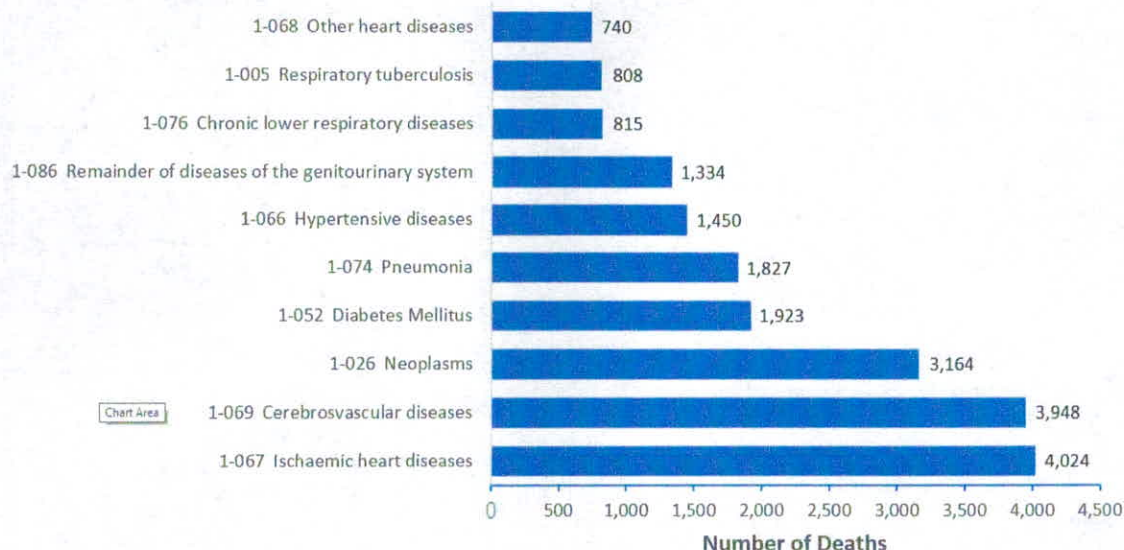
Among the provinces and HUC, City of Davao recorded the highest number of maternal deaths with 27 (29.7%), followed by Davao del Norte with 23 (25.3%), and Davao Oriental with 15 (16.5%). On the other hand, Davao Occidental (3 or 3.3%) recorded the least number of maternal deaths. (Figure 8 and Table 8)

Ischaemic heart diseases led causes of deaths

Deaths due to ischaemic heart diseases were the biggest contributors among the total deaths in 2020 in Davao Region, making up 12.9 percent (4,024) of the total registered deaths. This was followed by deaths due to cerebrovascular diseases (including stroke) at 12.6 percent (3,948) and neoplasms, also known as “cancer” at 10.1 percent (3,164). Mortality due to Diabetes Mellitus also ranked among the leading causes of deaths with 1,923 or 6.1 percent of the total registered deaths. 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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Figure 9. Ten Leading Causes of Death, Davao Region: 2020



Seembae

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Attachments:

- Table 1. Number and Percentage Change of Registered Deaths, Davao Region (Usual Place of Residence): 2011-2020
- Table 2. Number and Percent Share of Registered Deaths by Sex and by Usual Residence (Province), Davao Region: 2020
- Table 3. Number and Percent Share of Registered Deaths, Daily Average and Daily Index, by Month, Davao Region (Place of Occurrence): 2020
- Table 4. Number and Percent Share of Registered Deaths by Sex, Sex Ratio and Age Group, Davao Region (Usual Place of Residence): 2020
- Table 5. Number and Percent Share of Registered Deaths by Attendant and Usual Residence (Province), Davao Region: 2020
- Table 6. Number and Percent Share of Registered Deaths by Site and Place of Occurrence (Province), Davao Region: 2020
- Table 7. Number and Percent Share of Registered Infant Deaths by Sex and Usual Residence (Province), Davao Region: 2020
- Table 8. Number and Percent Share of Maternal Deaths by Usual Residence (Province), Davao Region: 2020
- Table 9. Ten Leading Causes of Death by Sex, Davao Region (Usual Residence): 2020



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Table 1. Number and Percent Change of Registered Deaths, Davao Region (Usual Place of Residence): 2011-2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Number	24,537	25,953	25,895	25,782	27,549	29,260	29,415	29,870	32,384	31,270
Per Day	67	71	71	71	75	80	81	82	89	85
Per Hour	3	3	3	3	3	3	3	3	4	4
Percent Change	3.5	5.8	-0.2	-0.4	6.9	6.2	0.5	1.5	8.4	-3.4

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

Notes: 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 (Province), Davao Region: 2020

Usual Residence (Province/HUC)	Number			Percent		
	Both Sexes	Male	Female	Both Sexes	Male	Female
Total	31,270	18,468	12,802	100.0	59.1	40.9
Davao De Oro (Compostela Valley)	4,432	2,689	1,743	14.2	8.6	5.6
Davao Del Norte	6,945	4,092	2,853	22.2	13.1	9.1
Davao Del Sur	4,419	2,630	1,789	14.1	8.4	5.7
Davao Occidental	1,232	736	496	3.9	2.4	1.6
Davao Oriental	3,325	1,997	1,328	10.6	6.4	4.2
City of Davao	10,917	6,324	4,593	34.9	20.2	14.7

Source: Philippine Statistics Authority (Data on deaths are those registered at the Office of the City/Municipal Civil Registrars throughout the region 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, Davao Region (Place of Occurrence): 2020

Month of Registration	Number	Percent	Daily Average	Daily Index
Total	32,255	100.0	88	100.0
January	2,746	8.5	89	101.1
February	2,279	7.1	79	89.8
March	2,533	7.9	82	93.2
April	2,320	7.2	77	87.5
May	2,256	7.0	73	83.0
June	2,715	8.4	91	103.4
July	2,619	8.1	84	95.5
August	2,588	8.0	83	94.3
September	2,922	9.1	97	110.2
October	2,720	8.4	88	100.0
November	2,643	8.2	88	100.0
December	3,211	10.0	104	118.2
Registered in 2021	703	2.2	-	-

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

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Table 4. Number and Percent Share of Registered Deaths by Sex, Sex Ratio and Age Group, Davao Region (Usual Place of Residence): 2020

Age Group	Both Sexes		Male		Female		Sex Ratio
	Number	Percent	Number	Percent	Number	Percent	
Total	31,270	100.0	18,468	100.0	12,802	100.0	144.3
Under 1	871	2.8	512	2.8	359	2.8	142.6
1-4	269	0.9	165	0.9	104	0.8	158.7
5-9	207	0.7	111	0.6	96	0.7	115.6
10-14	211	0.7	118	0.6	93	0.7	126.9
15-19	440	1.4	287	1.6	153	1.2	187.6
20-24	578	1.8	421	2.3	157	1.2	268.2
25-29	731	2.3	490	2.7	241	1.9	203.3
30-34	849	2.7	556	3.0	293	2.3	189.8
35-39	999	3.2	658	3.6	341	2.7	193.0
40-44	1,305	4.2	848	4.6	457	3.6	185.6
45-49	1,720	5.5	1,098	5.9	622	4.9	176.5
50-54	2,259	7.2	1,399	7.6	860	6.7	162.7
55-59	2,694	8.6	1,732	9.4	962	7.5	180.0
60-64	3,295	10.5	2,072	11.2	1,223	9.6	169.4
65-69	3,565	11.4	2,179	11.8	1,386	10.8	157.2
70-74	3,295	10.5	2,008	10.9	1,287	10.1	156.0
75-79	2,826	9.0	1,549	8.4	1,277	10.0	121.3
80-84	2,462	7.9	1,190	6.4	1,272	9.9	93.6
85 and over	2,690	8.6	1,073	5.8	1,617	12.6	66.4
Not Stated	4	0.0	2	0.0	2	0.0	100.0

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Notes: Figures are results of actual registration without any adjustment for under registration
 0.0 - less than 0.05

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

Usual Residence (Province/HUC)	Total	Attended					Unattended		Not Stated	
		% Attended	Private Physician	Public Health Officer	Hospital Authority	Others	%	Number	%	Number
Total	31,270	12,034	3,076	574	8,275	109		11,848		7,388
% of Total	100.0	38.5	9.8	1.8	26.5	0.3	37.9		23.6	
Davao De Oro (Compostela Valle)	4,432	38.4	45	161	1,494	3	61.0	2,703	0.6	26
Davao Del Norte	6,945	37.6	220	21	2,361	8	61.7	4,283	0.7	52
Davao Del Sur	4,419	40.5	1,014	190	582	2	43.5	1,921	16.1	710
Davao Occidental	1,232	27.6	78	7	190	65	53.2	656	19.2	236
Davao Oriental	3,325	34.9	66	60	1,012	23	57.3	1,906	7.8	258
City of Davao	10,917	40.6	1,653	135	2,636	8	3.5	379	55.9	6,106

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

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



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Table 9. Ten Leading Causes of Death by Sex, Davao Region (Usual Residence): 2020

Leading Cause/Sex	Number	Percent
BOTH SEXES		
<i>All causes of death</i>	31,270	100.0
1-067 Ischaemic heart diseases	4,024	12.9
1-069 Cerebrovascular diseases	3,948	12.6
1-026 Neoplasms	3,164	10.1
1-052 Diabetes Mellitus	1,923	6.1
1-074 Pneumonia	1,827	5.8
1-066 Hypertensive diseases	1,450	4.6
1-086 Remainder of diseases of the genitourinary system	1,334	4.3
1-076 Chronic lower respiratory diseases	815	2.6
1-005 Respiratory tuberculosis	808	2.6
1-068 Other heart diseases	740	2.4
<i>Other causes of death</i>	11,237	35.9
MALE		
<i>All causes of death</i>	18,468	100.0
1-067 Ischaemic heart diseases	2,428	13.1
1-069 Cerebrovascular diseases	2,286	12.4
1-026 Neoplasms	1,419	7.7
1-074 Pneumonia	1,061	5.7
1-052 Diabetes mellitus	973	5.3
1-066 Hypertensive diseases	824	4.5
1-086 Remainder of diseases of the genitourinary system	796	4.3
1-096 Transport accidents	610	3.3
1-005 Respiratory tuberculosis	608	3.3
1-076 Chronic lower respiratory diseases	590	3.2
<i>Other causes of death</i>	6,873	37.2
FEMALE		
<i>All causes of death</i>	12,802	100.0
1-026 Neoplasms	1,745	13.6
1-069 Cerebrovascular diseases	1,662	13.0
1-067 Ischaemic heart diseases	1,596	12.5
1-052 Diabetes mellitus	950	7.4
1-074 Pneumonia	766	6.0
1-066 Hypertensive diseases	626	4.9
1-086 Remainder of diseases of the genitourinary system	538	4.2
1-068 Other heart diseases	288	2.2
1-076 Chronic lower respiratory diseases	225	1.8
1-005 Respiratory tuberculosis	200	1.6
<i>Other causes of death</i>	4,206	32.9

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

Notes: 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





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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 region 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. Figures shown were not adjusted for under registration.

