



SPECIAL RELEASE

2020 CATANDUANES PRELIMINARY DEATH STATISTICS

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Deaths decreased by 4.7 percent

Deaths in 2020 totaled to 1,645, a decrease of 4.7 percent from the 1,727 deaths in 2019 in the province. This is equivalent to a crude death rate of 6.0, or six (6) deaths per thousand population and corresponds to an average of five deaths per day in 2020. (Table 3)

Among the 11 municipalities, Virac consisted the highest percent of 29.4 percent, followed by San Andres consisting 15.5 percent, then Caramoran comprising 10.3 percent of the total actual deaths. The municipality of Gigmoto had the lowest actual deaths recorded in 2020. (Figure 1 and Table 1)

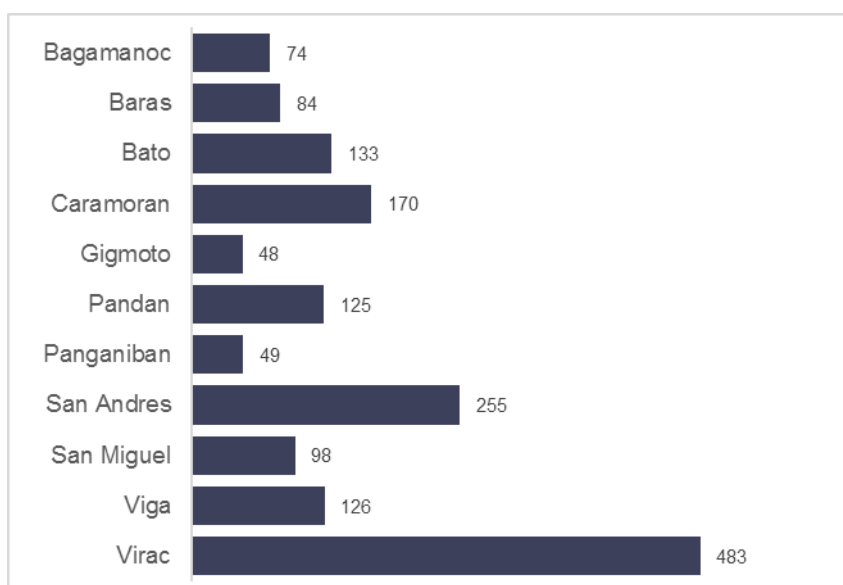


Figure 1. Total Number of Actual Deaths in Catanduanes by Municipality¹, 2020

More male deaths than female deaths recorded

Overall, 55.9 percent of the deaths that occurred in 2020 in Catanduanes were male. More deaths were also observed for the older age groups. More than 47.4 percent of the total were aged at least 70 years, which is also the only age group with female deaths greater than male deaths. Moreover, it can be noted that the number of deaths of those below 10 years old is greater than the older age groups 10-19, 20-29, and 30-39 years. (Figure 2 and Table 1)

¹ Death statistics by municipality is based on the place of residence of the deceased.

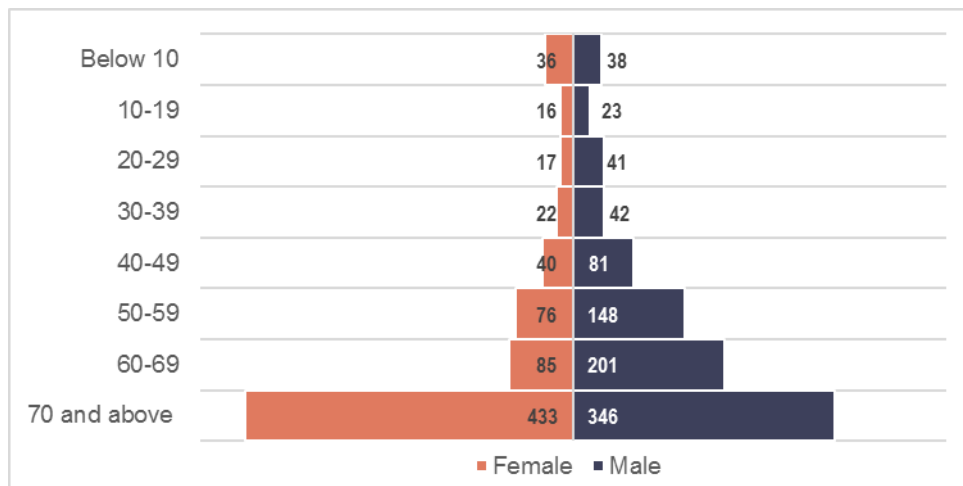


Figure 2. Actual Deaths in Catanduanes by Age Group and by Sex, 2020

Highest number of fetal and infant deaths recorded in Virac

Forty-four (44) fetal deaths were recorded in 2020, of which 77.3 percent were from Virac, 9.1 percent were from Pandan, 6.8 percent were from Gigmoto, 4.5 percent were from Viga, and 2.3 percent were from Caramoran (Figure 3 and Table 2). This number of fetal deaths translates to a fetal death ratio of 10.7 and fetal death rate of 10.6.

Moreover, 43 infant deaths occurred in the same year, which translates to an infant mortality rate of 10.5. All municipalities in the province had recorded infant deaths but Virac had the highest number of 12 deaths or 27.9 percent of the total. This is followed by Caramoran with seven infant deaths or 16.3 percent, and San Andres with six or 14 percent of the total. Baras and Panganiban had the least number, each with one recorded infant death. (Figure 3 and Table 2)

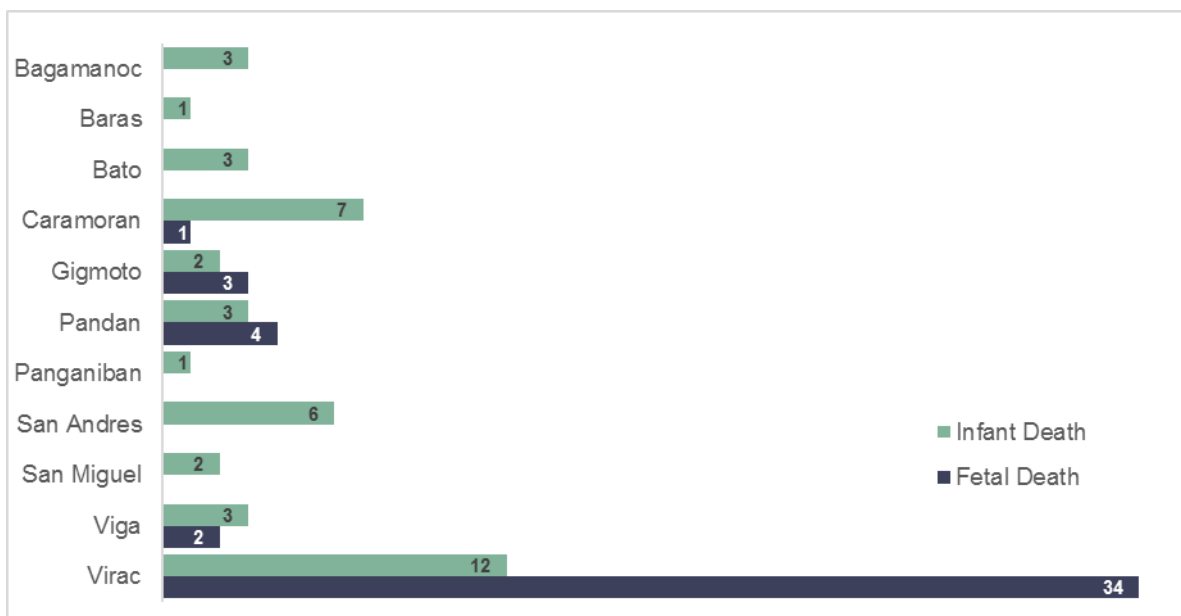


Figure 3. Infant and Fetal Deaths in Catanduanes by Municipality, 2020

There were also six (6) maternal deaths recorded, which translates to a maternal mortality ratio of 97.2. This means that 97 women die as a result of complications from pregnancy or spontaneous or induced abortions per one hundred thousand live births in 2020. Three (3) of the maternal deaths were from Virac, one each from Caramoran, Panganiban, and Viga. (Table 2)

Deaths due to drowning incidents highest

Around 95 deaths due to external causes were recorded in the province during the year. Drowning incidents had the highest number, with 30 deaths or 31.6 percent of the total. This is followed by deaths due to vehicular accidents, with 22 deaths or 23.2 percent, and due to hanging, with 13 deaths or 13.7 percent of the total (Figure 4). Other external causes reported were the following: stab/hack wound (9 deaths); alcohol intoxication (7 deaths); electrocution (4 deaths); fall (3 deaths); gunshot (1 death); clubbing incident (1 death); crushing incident (1 death); and snake bite (1 death). The cause of the remaining three external deaths were not specified but resulted to traumatic brain injuries. (Table 3 and Figure 4)

Out of the total deaths due to external causes for each age group, 83.3 percent of the individuals below ten years old, 52.4 percent of the age group 40-49 years, and 38.5 percent of the age group 30-39 years were due to drowning incidents. Vehicular accidents were the most common cause of death of individuals 20 to 29 years old, consisting 40 percent of its total. Most of the external cause of death for individuals 10-19 years old, and 50 years old and above were due to other incidents. Although, three deaths for age group 10-19 years and a total of four deaths for age groups 50 years old and above were due to hanging incidents. (Table 3 and Figure 4)

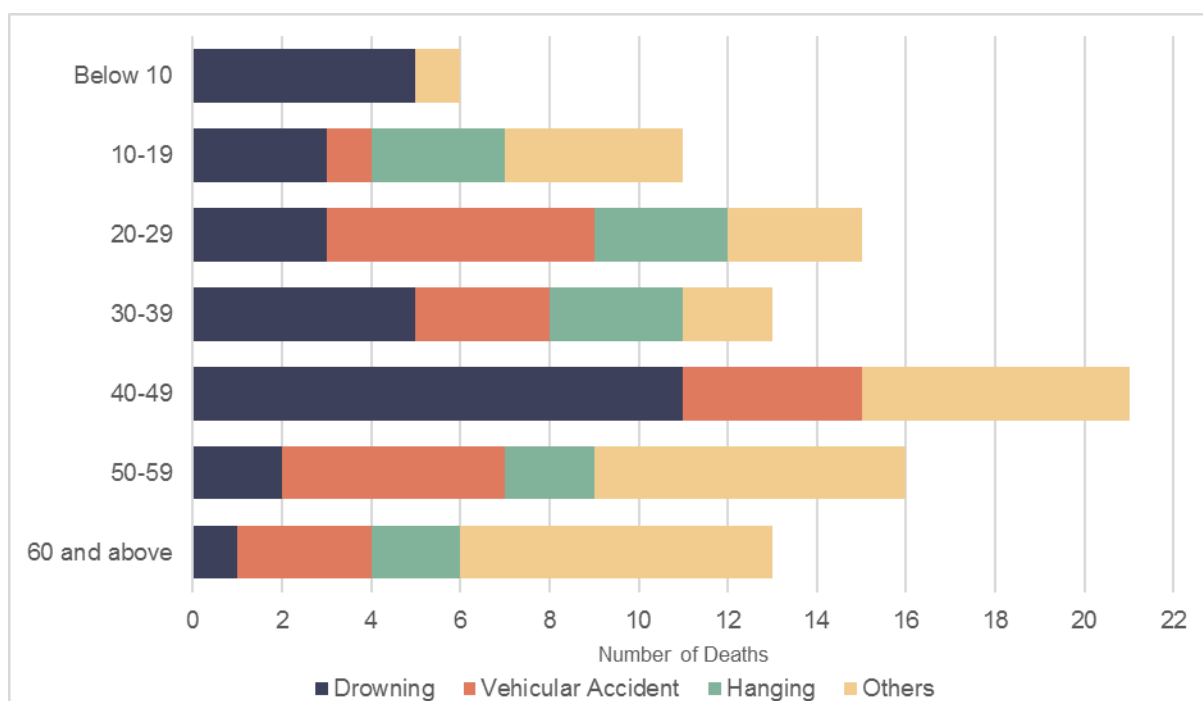


Figure 4. Some External Deaths in Catanduanes by Age Group and by Cause, 2020

Among the 11 municipalities, deaths due to external causes were highest in Virac, with 19 deaths. Five of these deaths were due to drowning incidents and another five were due to incidents that caused stab/hack wounds. Caramoran, with 13 deaths, had the second highest number. Three of these deaths were due to vehicular accidents and three were due to hanging. Meanwhile, Baras had the least, with one death due to drowning and one due to a vehicular accident. (Table 5 and Figure 5)

Deaths due to drowning incidents were highest in Gigmoto, with eight deaths recorded. San Andres had the highest number of deaths caused by vehicular accidents, with six deaths. Caramoran and Pandan had the highest numbers of deaths due to hanging, with three deaths each. (Table 5 and Figure 5)

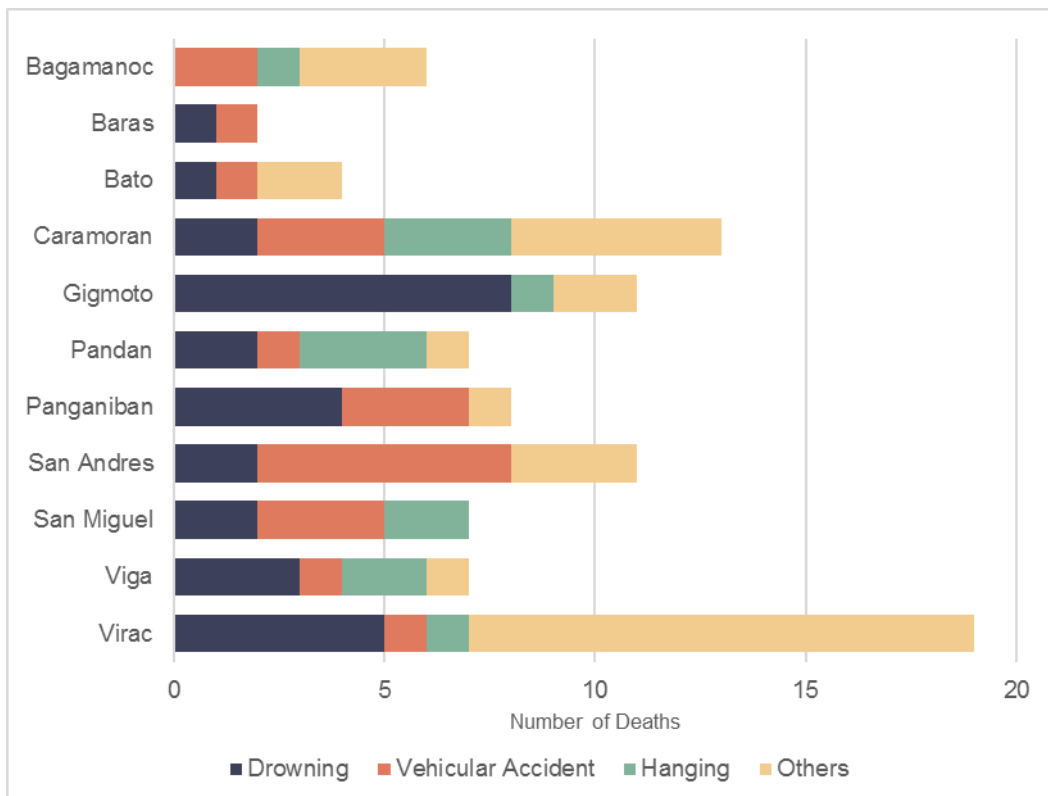


Figure 5. Some External Deaths in Catanduanes by Municipality, 2020

Two deaths due to COVID-19

In 2020, the Coronavirus Disease 2019 (COVID-19) was declared by the World Health Organization as a pandemic. Based on the documents registered in PSA, two deaths were reported to be due to COVID-19 and both were residents of Virac. Moreover, six deaths were of individuals classified as probable COVID-19 cases, and 12 deaths were of individuals classified as suspect COVID-19 cases². (Figure 6)

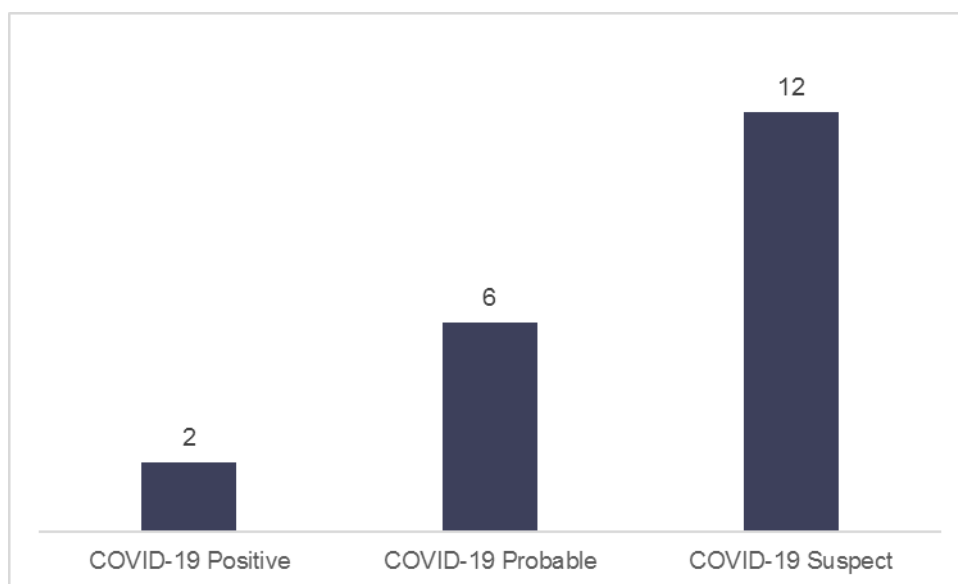


Figure 6. COVID-19 Related Deaths in Catanduanes, 2020

² Definitions of classifications of COVID-19 cases can be found here: <https://doh.gov.ph/sites/default/files/health-update/dm2020-0189.pdf>

Table 1. Number of Deaths in Catanduanes by Municipality, by Age Group, and by Sex, 2020

AGE GROUP	BAGAMANOC		BARAS		BATO		CARAMORAN		GIGMOTO		PANDAN		PANGANIBAN		SAN ANDRES		SAN MIGUEL		VIGA		VIRAC		TOTAL	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Below 10	1	3	3	0	3	2	8	3	2	2	0	6	1	0	4	7	4	0	3	2	9	11	38	36
10-19	1	0	1	0	1	0	2	3	3	0	0	2	1	2	4	4	3	0	1	3	6	2	23	16
20-29	3	0	2	2	1	1	4	2	0	0	2	1	1	0	8	0	6	0	2	4	12	7	41	17
30-39	2	3	2	1	4	1	3	2	2	0	1	1	1	0	6	4	3	1	2	2	16	7	42	22
40-49	3	2	2	0	5	4	13	1	4	3	6	1	5	1	9	9	6	1	3	3	25	15	81	40
50-59	7	4	6	2	11	8	13	9	3	0	12	2	7	0	24	9	7	4	8	12	50	26	148	76
60-69	12	4	14	5	15	5	23	10	5	2	15	8	5	2	28	12	13	6	13	6	58	25	201	85
70 and above	13	16	15	29	36	36	31	43	10	12	25	43	16	7	58	69	18	26	35	27	89	125	346	433
TOTAL	42	32	45	39	76	57	97	73	29	19	61	64	37	12	141	114	60	38	67	59	265	218	920	725
GRAND TOTAL	74		84		133		170		48		125		49		255		98		126		483		1645	

Table 2. Number of Fetal, Infant, and Maternal Deaths in Catanduanes by Municipality, 2020

Municipality	Fetal Death	Infant Death	Maternal Death
Bagamanoc	0	3	0
Baras	0	1	0
Bato	0	3	0
Caramoran	1	7	1
Gigmoto	3	2	0
Pandan	4	3	0
Panganiban	0	1	1
San Andres	0	6	0
San Miguel	0	2	0
Viga	2	3	1
Virac	34	12	3
TOTAL	44	43	6

Table 3. Preliminary Vital Statistics in Catanduanes by Municipality, 2020

Province/ Municipality	BIRTH		DEATH		MARRIAGE	
	Number by Place of Mother's Residence	Rate per 1,000 Population	Number by Place of Residence of Deceased	Rate per 1,000 Population	Number by Place of Occurrence	Rate per 1,000 Population
CATANDUANES	4114	14.92	1645	5.97	304	1.10
Bagamanoc	141	12.03	74	6.31	3	0.26
Baras	163	12.21	84	6.29	10	0.75
Bato	342	15.14	133	5.89	17	0.75
Caramoran	480	14.96	170	5.30	23	0.72
Gigmoto	165	18.90	48	5.50	10	1.15
Pandan	330	15.24	125	5.77	17	0.79
Panganiban	132	14.87	49	5.52	11	1.24
San Andres	596	15.78	255	6.75	59	1.56
San Miguel	252	15.84	98	6.16	14	0.88
Viga	345	15.29	126	5.58	15	0.66
Virac	1168	14.48	483	5.99	125	1.55

Table 4. Number of Deaths due to External Causes by Age Group, 2020

Age Group	Drowning	Vehicular Accident	Hanging	Others	TOTAL
Below 10	5	0	0	1	6
10-19	3	1	3	4	11
20-29	3	6	3	3	15
30-39	5	3	3	2	13
40-49	11	4	0	6	21
50-59	2	5	2	7	16
60 and above	1	3	2	7	13
TOTAL	30	22	13	30	95

Table 5. Number of Deaths due to External Causes by Municipality, 2020

Municipality	Drowning	Vehicular Accident	Hanging	Others	TOTAL
Bagamanoc	0	2	1	3	6
Baras	1	1	0	0	2
Bato	1	1	0	2	4
Caramoran	2	3	3	5	13
Gigmoto	8	0	1	2	11
Pandan	2	1	3	1	7
Panganiban	4	3	0	1	8
San Andres	2	6	0	3	11
San Miguel	2	3	2	0	7
Viga	3	1	2	1	7
Virac	5	1	1	12	19
TOTAL	30	22	13	30	95

CONCEPTS AND DEFINITIONS

TERM	DEFINITION
Death	This refers to the permanent disappearance of all evidence of life at any time after live birth has taken place.
Crude Death Rate (CDR)	<p>This refers to the number of deaths occurring during a calendar year per thousand population. It is computed using the formula below:</p> $CDR = \frac{\text{Total deaths for the year and place}}{\text{Total population of the place}} \times 1000$
Fetal Death Ratio	<p>This refers to the number of fetal deaths occurring during a calendar year per thousand live births. It is computed using the formula below:</p> $\text{Fetal Death Ratio} = \frac{\text{Total fetal deaths for the year and place}}{\text{Total live births}} \times 1000$
Fetal Death Rate	<p>This refers to the number of fetal deaths occurring during a calendar year per thousand births. It is computed using the formula below:</p> $\text{Fetal Death Rate} = \frac{\text{Total fetal deaths for the year and place}}{\text{Total live births}} \times 1000$
Maternal Mortality Ratio	<p>This refers to the number of fetal deaths occurring during a calendar year per thousand births. It is computed using the formula below:</p> $\text{Maternal Mortality Ratio} = \frac{\text{Total maternal deaths for the year and place}}{\text{Total live births}} \times 100000$
External Causes of Death	These relate to cases where the underlying cause of death is determined to be one of a group of causes external to the body. Examples are suicide, transport accidents, falls, poisoning, etc.



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