NEW MEXICO COVID-19 MORTALITY UPDATE

March 8, 2021

All data reported here exclude cases who live out-of-state.

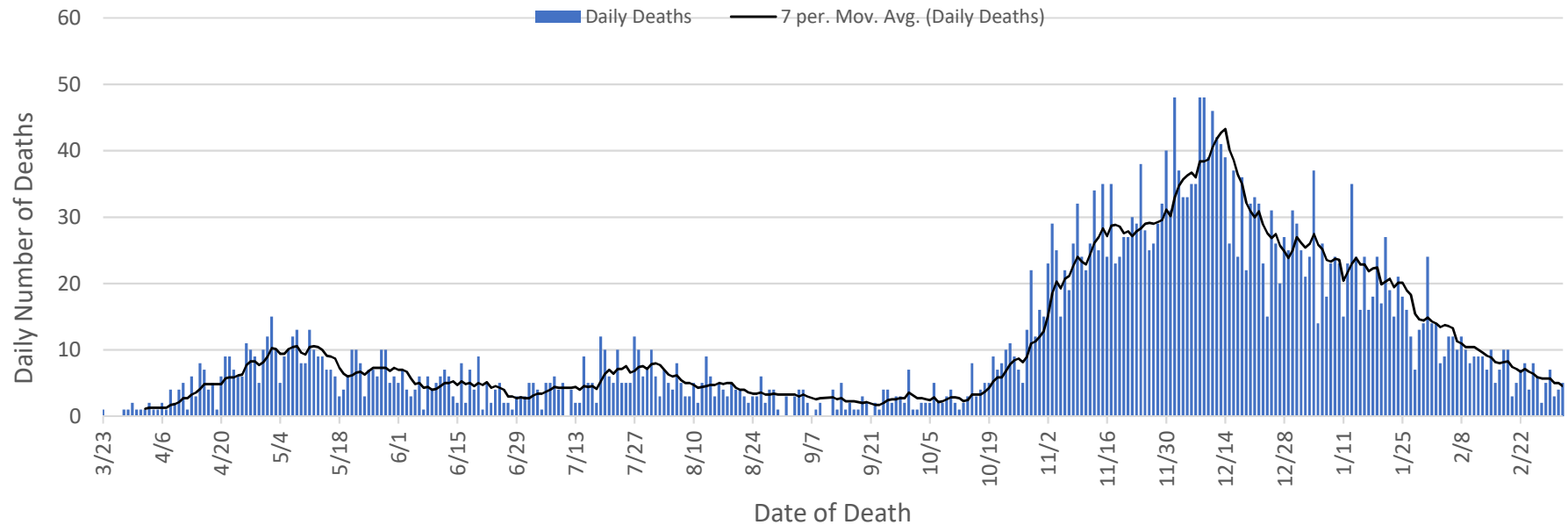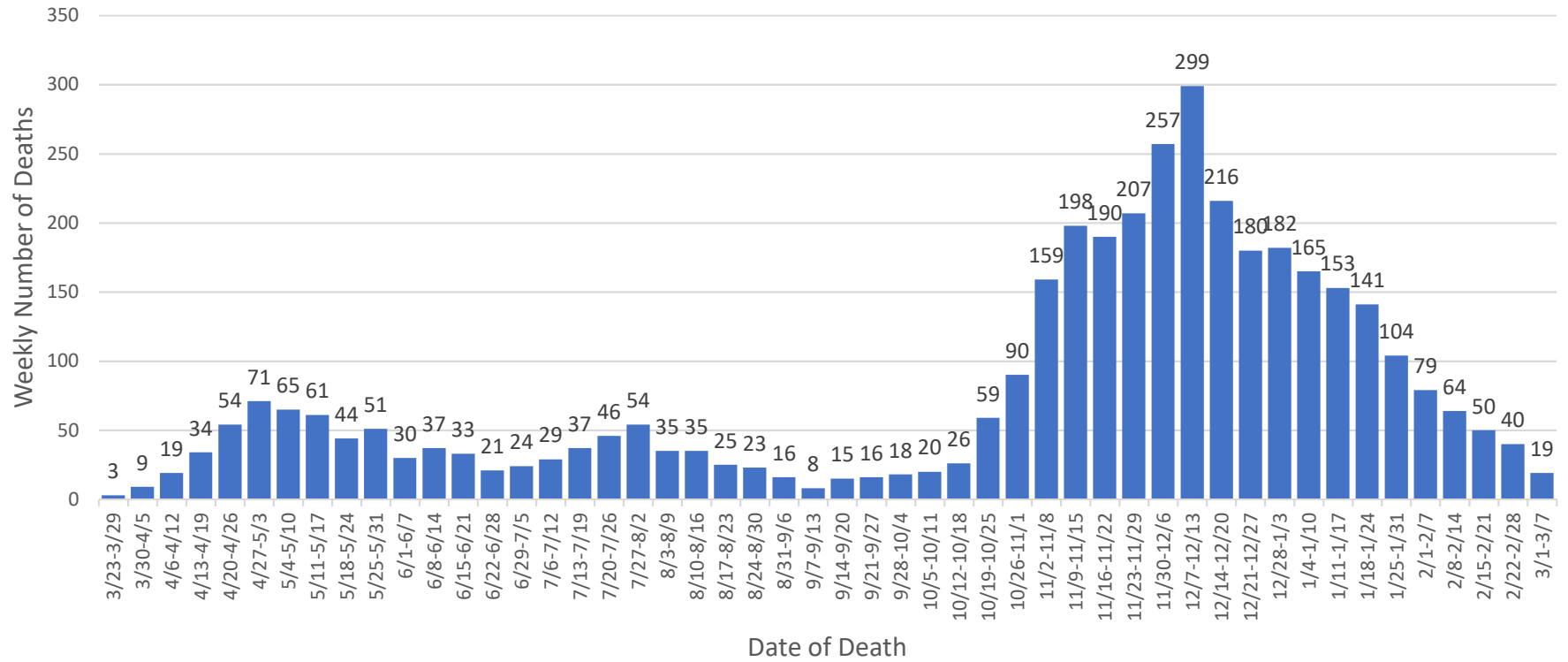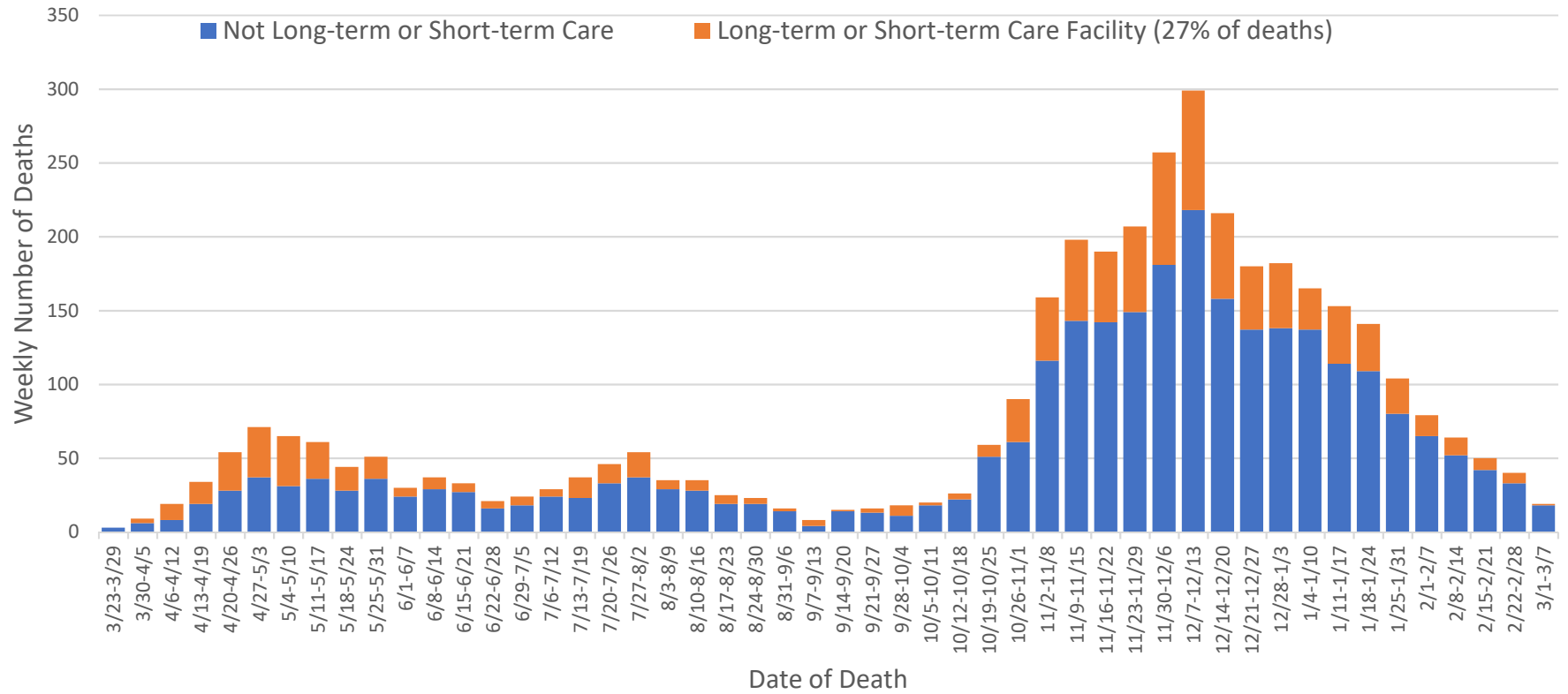| Total Deaths	Deaths in the Last 14 Days
3,811	59

SECTION 1: DEATH COUNTS

Daily Number of Deaths and 7-day Moving Average

Number of Deaths Each Week

Bar chart titled "Number of Deaths Each Week" with y-axis labeled "Weekly Number of Deaths" (0 to 350) and x-axis labeled "Date of Death". Weekly values:

- 3/23-3/29: 3
- 3/30-4/5: 9
- 4/6-4/12: 19
- 4/13-4/19: 34
- 4/20-4/26: 54
- 4/27-5/3: 71
- 5/4-5/10: 65
- 5/11-5/17: 61
- 5/18-5/24: 44
- 5/25-5/31: 51
- 6/1-6/7: 30
- 6/8-6/14: 37
- 6/15-6/21: 33
- 6/22-6/28: 21
- 6/29-7/5: 24
- 7/6-7/12: 29
- 7/13-7/19: 37
- 7/20-7/26: 46
- 7/27-8/2: 54
- 8/3-8/9: 35
- 8/10-8/16: 35
- 8/17-8/23: 25
- 8/24-8/30: 23
- 8/31-9/6: 16
- 9/7-9/13: 8
- 9/14-9/20: 15
- 9/21-9/27: 16
- 9/28-10/4: 18
- 10/5-10/11: 20
- 10/12-10/18: 26
- 10/19-10/25: 59
- 10/26-11/1: 90
- 11/2-11/8: 159
- 11/9-11/15: 198
- 11/16-11/22: 190
- 11/23-11/29: 207
- 11/30-12/6: 257
- 12/7-12/13: 299
- 12/14-12/20: 216
- 12/21-12/27: 180
- 12/28-1/3: 182
- 1/4-1/10: 165
- 1/11-1/17: 153
- 1/18-1/24: 141
- 1/25-1/31: 104
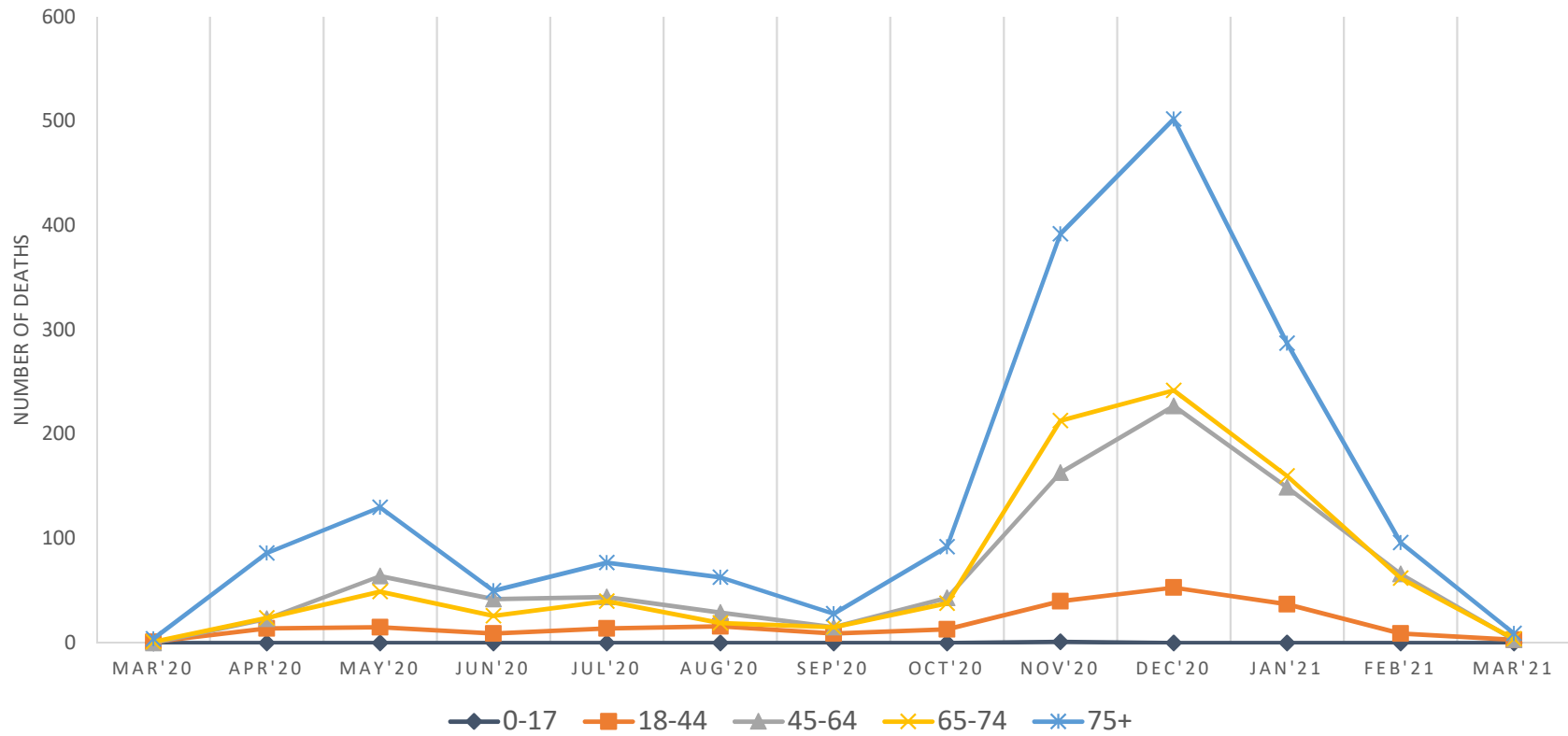- 2/1-2/7: 79
- 2/8-2/14: 64
- 2/15-2/21: 50
- 2/22-2/28: 40
- 3/1-3/7: 19

Number of Deaths Each Week by Long- and Short-term Care Facility Residence
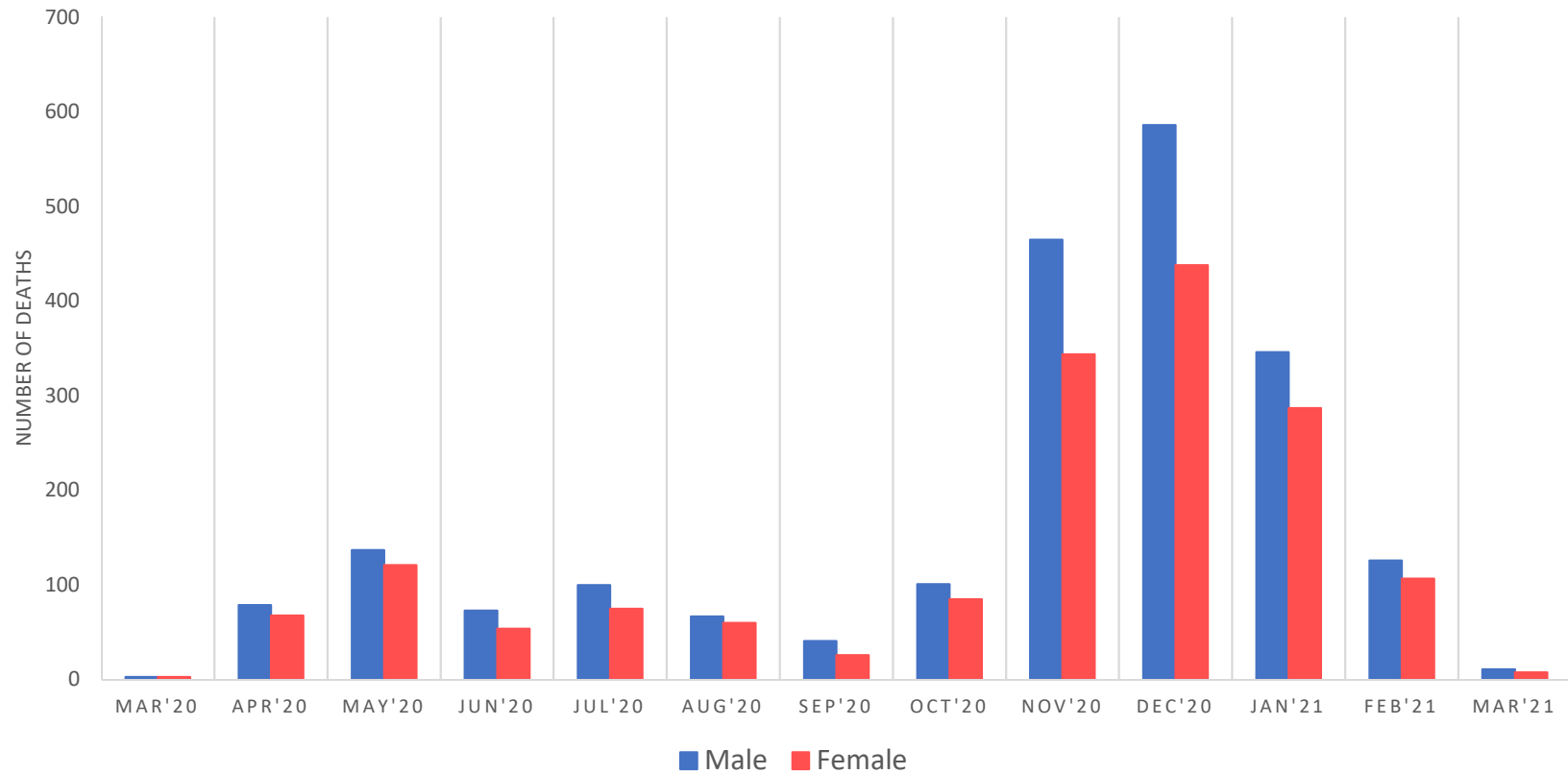
# Number of Deaths by Age Group Each Month

Age Group (years)	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
0-17	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18-44	1	14	15	9	14	16	9	13	40	53	37	9	3	233
45-64	0	23	64	42	44	29	15	43	163	227	149	66	3	868
65-74	1	24	49	26	40	19	15	38	213	242	160	62	4	893
75+	4	86	130	50	77	63	28	92	392	502	287	96	9	1816
Total	6	147	258	127	175	127	67	186	809	1024	633	233	19	3811

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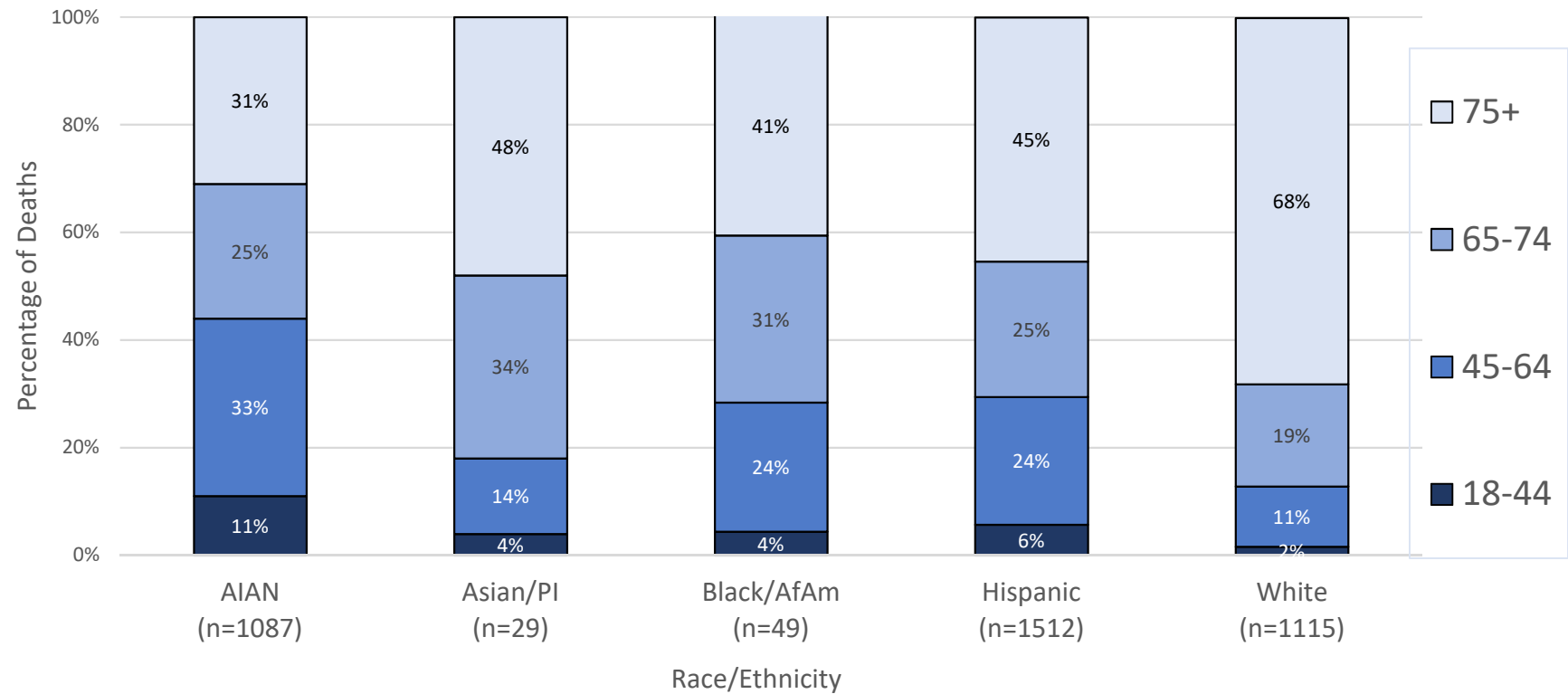# Number of Deaths by Gender Each Month

Gender	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
Male	3	79	137	73	100	67	41	101	465	586	346	126	11	2135
Female	3	68	121	54	75	60	26	85	344	438	287	107	8	1676
Total	6	147	258	127	175	127	67	186	809	1024	633	233	19	3811

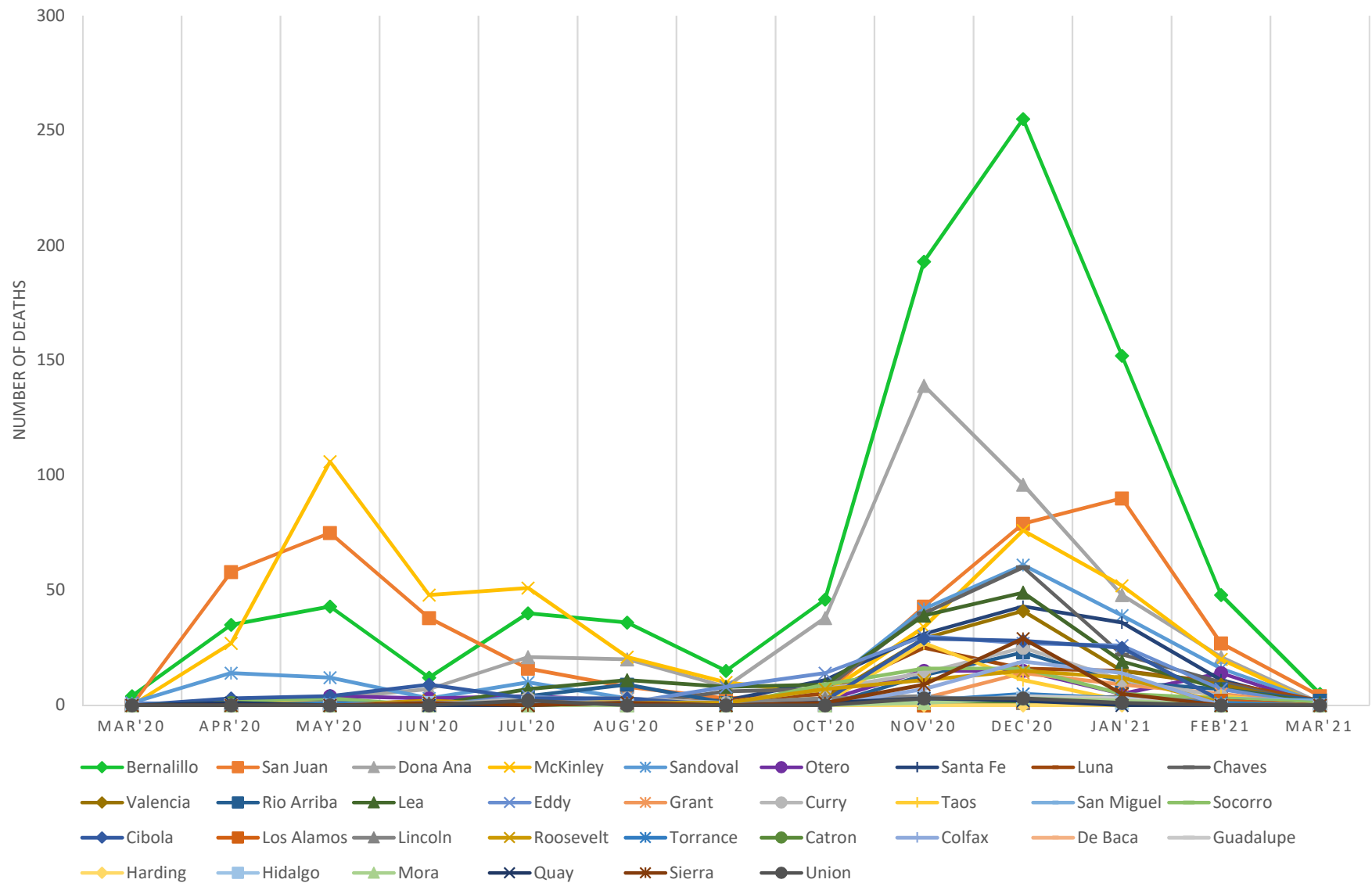## Number of Deaths by Race/Ethnicity Each Month
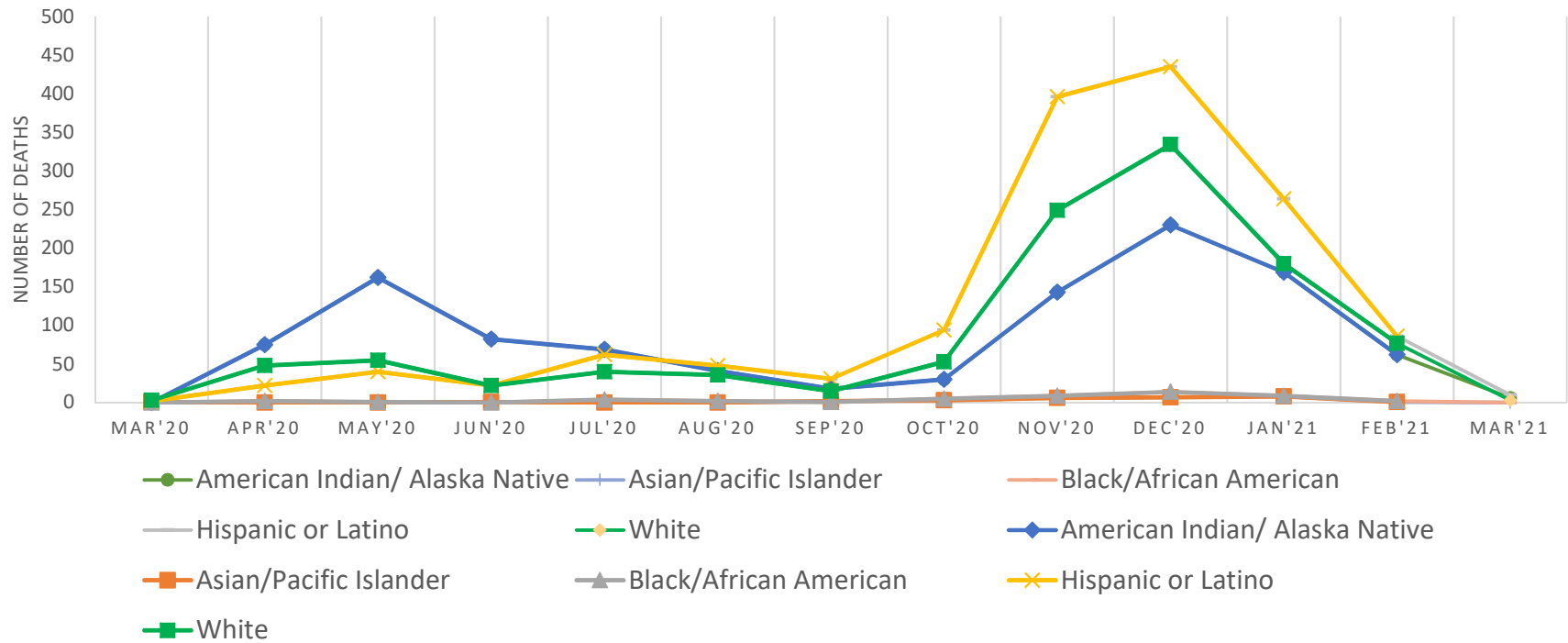
Race/Ethnicity	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
American Indian/ Alaska Native	0	75	162	82	69	41	18	30	143	230	169	62	6	1087
Asian/Pacific Islander	1	0	0	1	0	0	2	3	6	7	8	1	0	29
Black/African American	0	2	1	0	4	2	1	5	9	14	9	2	0	49
Hispanic or Latino	2	22	40	22	62	48	31	94	396	435	264	86	10	1512
White	3	48	55	22	40	36	15	53	249	334	180	77	3	1115
Unknown	0	0	0	0	0	0	0	1	6	4	3	5	0	19
Total	6	147	258	127	175	127	67	186	809	1024	633	233	19	3811

Percentage of Deaths by Race/Ethnicity and Age Group

Number of deaths by New Mexico County of residence each month

## Number of deaths by New Mexico County of residence each month – continued

County of Residence	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
Bernalillo	4	35	43	12	40	36	15	46	193	255	152	48	5	884
San Juan	0	58	75	38	16	8	3	5	43	79	90	27	4	446
Dona Ana	0	1	3	7	21	20	8	38	139	96	48	21	1	403
McKinley	0	27	106	48	51	21	10	5	34	76	52	20	0	450
Sandoval	1	14	12	3	10	3	0	8	42	61	39	16	1	210
Otero	0	0	4	3	4	2	0	2	15	15	5	14	0	64
Santa Fe	0	2	2	0	0	1	2	11	31	43	36	11	0	139
Luna	0	1	0	2	0	2	2	5	25	16	15	10	2	80
Chaves	0	1	2	0	3	0	6	7	40	60	22	10	0	151
Valencia	0	0	1	0	2	0	1	3	29	41	15	9	0	101
Rio Arriba	0	0	1	0	4	9	1	0	13	23	10	7	2	70
Lea	0	0	0	0	7	11	8	9	39	49	19	7	1	150
Eddy	1	0	0	0	4	1	8	14	30	27	26	7	0	118
Grant	0	0	0	0	2	0	0	2	3	14	9	5	0	35
Curry	0	0	0	0	3	3	1	7	14	25	11	4	0	68
Taos	0	1	1	0	0	2	0	1	27	11	2	4	0	49
San Miguel	0	0	0	0	0	0	0	0	2	3	3	3	2	13
Socorro	0	2	3	0	1	0	0	9	16	16	5	3	1	56
Cibola	0	3	4	9	3	3	0	2	29	28	25	2	0	108
Los Alamos	0	0	0	0	0	0	0	0	0	1	2	2	0	5
Lincoln	0	0	0	0	1	1	1	3	4	1	4	1	0	16
Roosevelt	0	0	0	2	0	1	1	7	11	15	12	1	0	50
Torrance	0	0	1	0	0	0	0	0	2	5	3	1	0	12
Catron	0	1	0	0	0	0	0	0	1	1	2	0	0	5
Colfax	0	0	0	1	0	0	0	0	7	19	14	0	0	41
De Baca	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadalupe	0	0	0	0	0	1	0	0	1	4	3	0	0	9
Harding	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hidalgo	0	0	0	1	1	0	0	0	3	3	1	0	0	9
Mora	0	0	0	0	0	0	0	0	1	3	2	0	0	6
Quay	0	1	0	0	0	1	0	1	3	2	0	0	0	8
Sierra	0	0	0	1	0	1	0	1	9	29	5	0	0	46
Union	0	0	0	0	2	0	0	0	3	3	1	0	0	9
Total	6	147	258	127	175	127	67	186	809	1024	633	233	19	3811

# Number of Deaths by Underlying Conditions Each Month
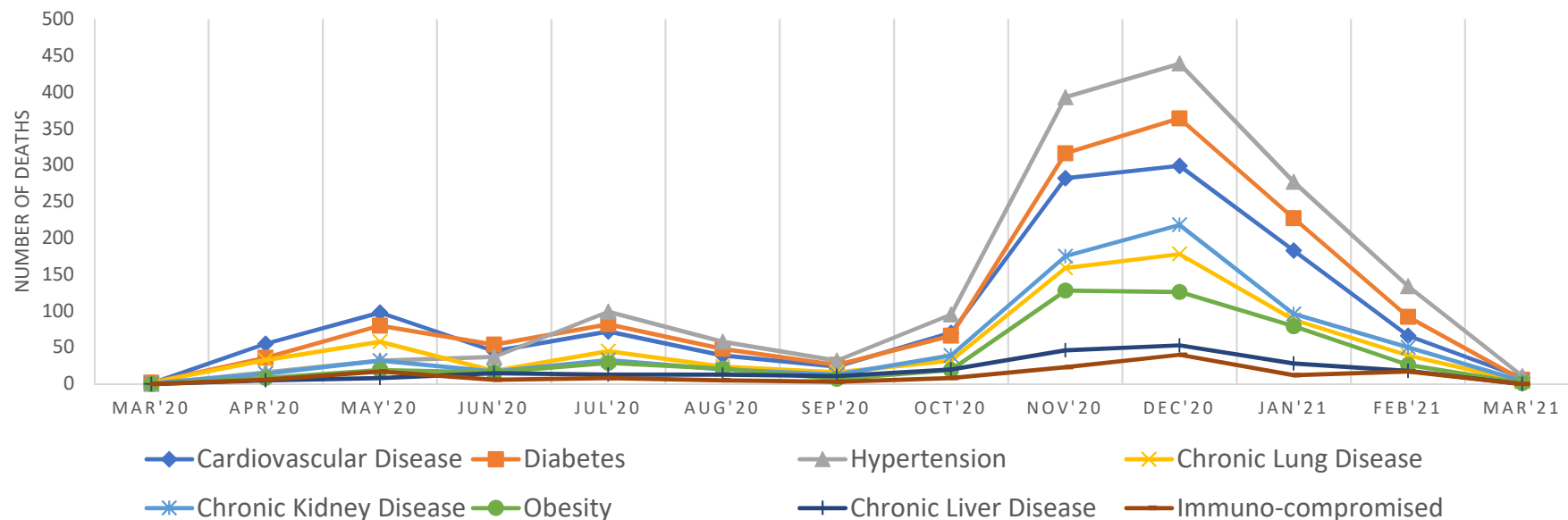
Underlying Conditions	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
Hypertension	0	16	32	37	99	58	32	95	393	439	277	134	11	1623
Diabetes	2	36	80	54	82	48	26	66	316	364	227	92	6	1399
Cardiovascular Disease	1	55	98	45	72	39	24	70	282	299	183	66	9	1243
Chronic Lung Disease	2	33	58	18	45	24	16	32	159	178	88	39	3	695
Chronic Kidney Disease	1	14	32	17	33	20	13	39	175	218	96	50	4	712
Obesity	0	8	19	16	29	21	7	19	128	126	79	26	1	479
Chronic Liver Disease	0	5	8	15	13	13	11	20	46	53	28	18	0	230
Immuno-compromised	0	6	17	6	8	5	3	8	23	40	12	17	0	145

Percentage and Number of Deaths Each Month by Number of Underlying Conditions Reported
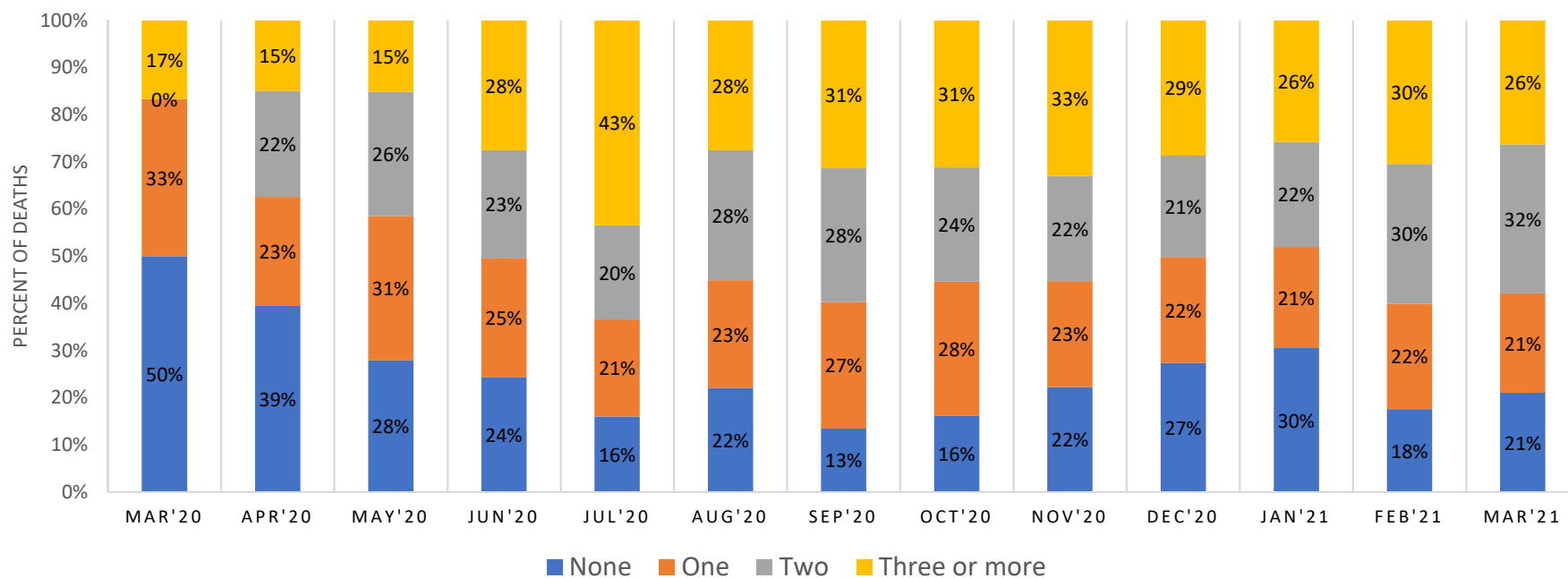
Number of Underlying Conditions	Mar'20	Apr'20	May'20	Jun'20	Jul'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Total
None	3	58	72	31	28	28	9	30	180	280	193	41	4	957
One	2	34	79	32	36	29	18	53	182	230	136	52	4	887
Two	0	33	68	29	35	35	19	45	180	220	141	69	6	880
Three or more	1	22	39	35	76	35	21	58	267	294	163	71	5	1087
Total	6	147	258	127	175	127	67	186	809	1024	633	233	19	3811

Percentage of Deaths by Underlying Condition and Age Group
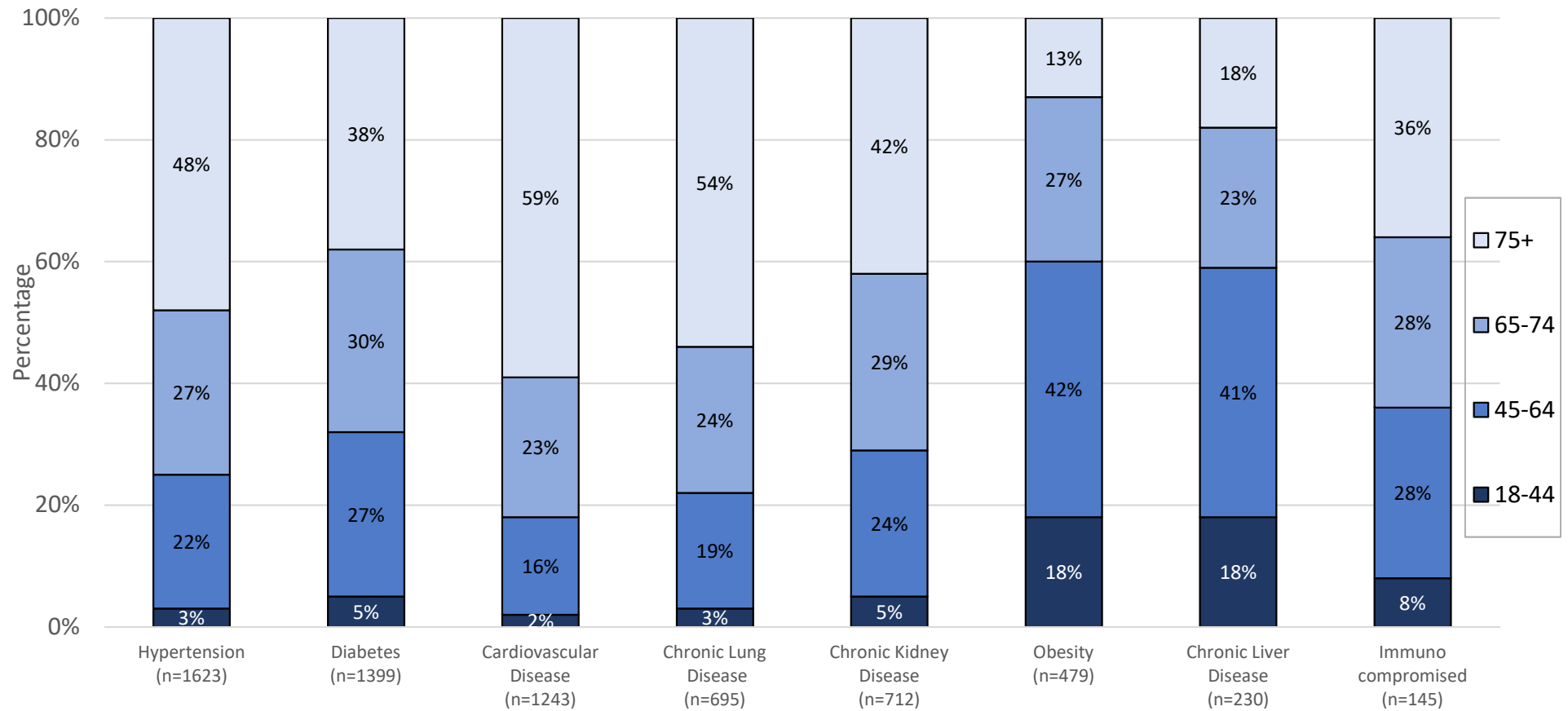
**Number and percent of deaths by Test Result and Cause of Death on the Death Certificate**

| Positive COVID-19 Test Result*	COVID-19 Cause/Contributor of Death on Death Certificate	Number of Deaths	Percent
Yes	Yes	3454	90.6%
Yes	No	92	2.4%
Yes	Pending	200	5.2%
No	Yes	65	1.7%
Total		3811	100.0%

* Positive RT-PCR or Rapid Test

Number and percent of deaths by underlying cause of death on the death certificate
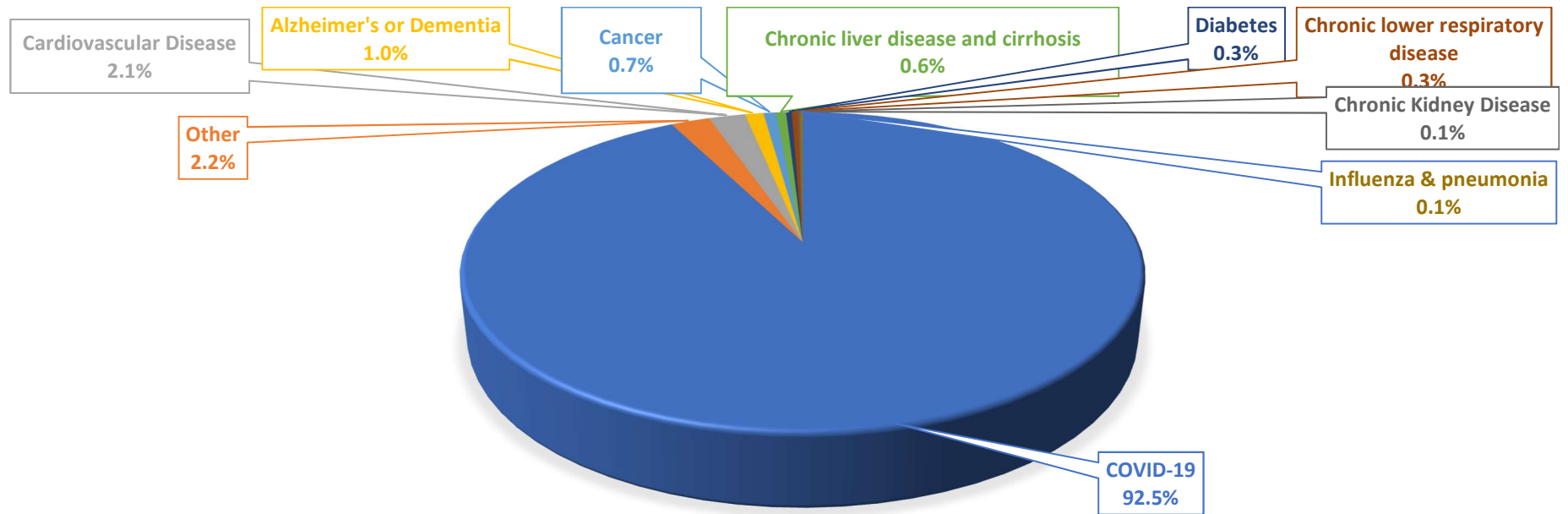
Underlying Cause	Number of Deaths*	Percent
COVID-19	3181	92.5%
Other	76	2.2%
Cardiovascular Disease	71	2.1%
Alzheimer's or Dementia	36	1.0%
Cancer	24	0.7%
Chronic liver disease and cirrhosis	20	0.6%
Diabetes	11	0.3%
Chronic lower respiratory disease	12	0.3%
Chronic Kidney Disease	4	0.1%
Influenza & pneumonia	5	0.1%
Total	3440	100.0%

*Excludes 371 (10%) deaths which have not yet been coded by the National Center for Health Statistics.

SECTION 2: MORTALITY RATES

Mortality Rate per 100,000 Population by Age Group
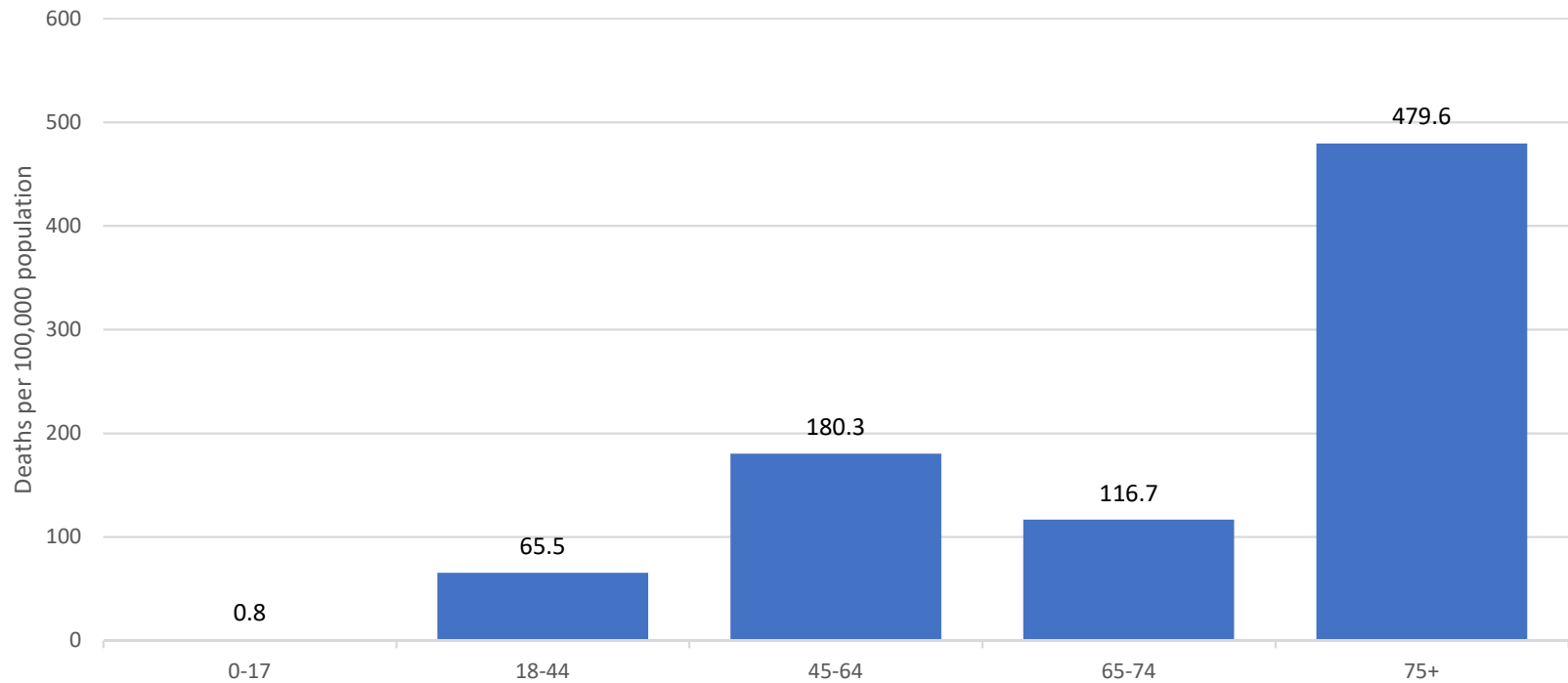
Age-adjusted Mortality Rate per 100,000 Population by Gender

Deaths per 100,000 population

	Male	Female
	179.0	115.6
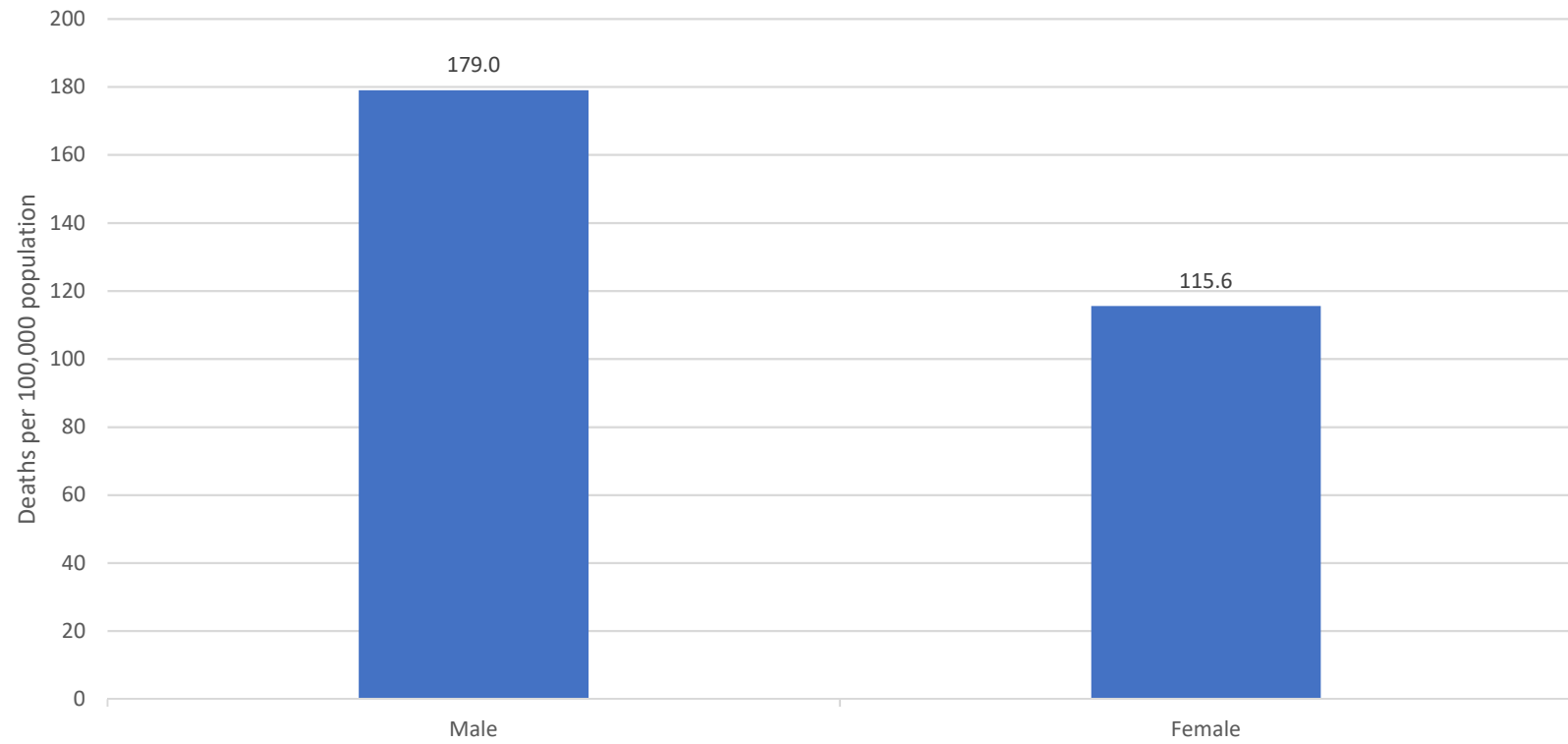
Age-adjusted Mortality rate per 100,000 Population by Race/Ethnicity

Deaths per 100,000 population

Race/Ethnicity	Deaths per 100,000
AI/AN	628.9
Asian/PI	77.5
Black/AfAm	118.2
Hispanic	156.7
White	74.2

Age-adjusted Mortality rate among AI/AN by Month of 1st Positive Test

Deaths per 100,000 population

Month	Deaths per 100,000
Mar'20	3.2
Apr'20	85.4
May'20	86.3
Jun'20	38.5
Jul'20	30.7
Aug'20	12.9
Sep'20	9.5
Oct'20	35.6
Nov'20	123.1
Dec'20	122.4
Jan'21	71.8
Feb'21	8.3
Mar'21	1.2

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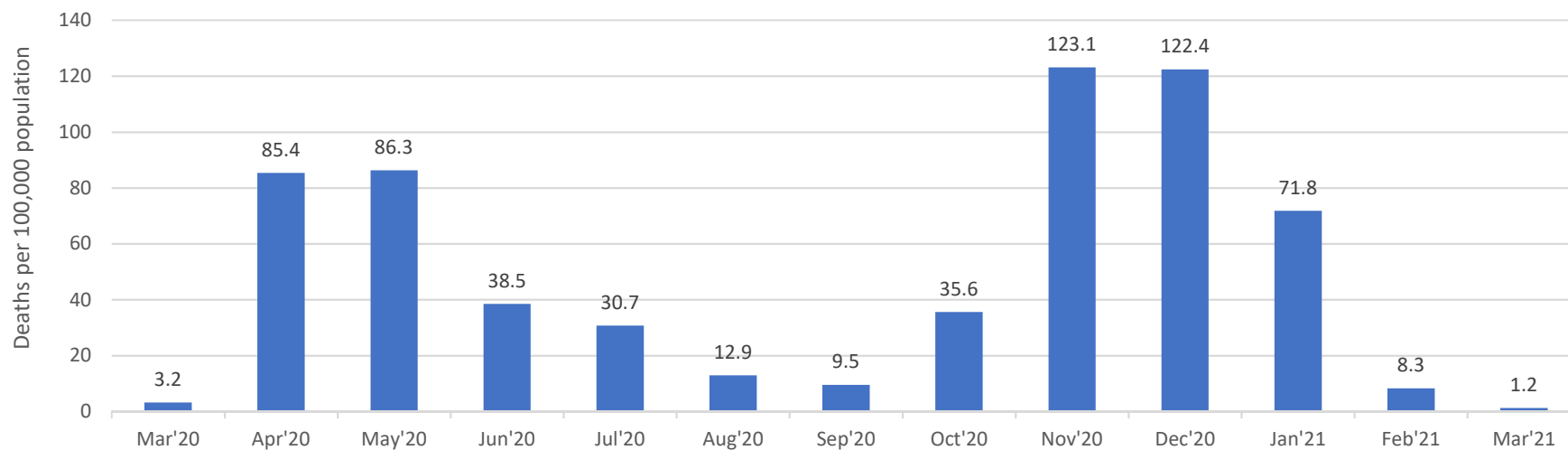
Age-adjusted Mortality Rate per 100,000 Population by New Mexico County

San Juan 314.0
Rio Arriba 134.9
Taos 88.2
Colfax 185.6
Union 134.0
Los Alamos 19.3
Mora 62.4
Harding 0.0
McKinley 638.7
Sandoval 115.3
Santa Fe 61.3
San Miguel 27.7
Quay 51.2
Cibola 339.9
Bernalillo 106.8
Valencia 105.3
Torrance 54.5
Guadalupe 178.2
Curry 136.5
De Baca 0.0
Catron 49.5
Socorro 258.9
Lincoln 54.6
Roosevelt 233.0
Chaves 198.1
Sierra 149.4
Lea 232.8
Grant 74.5
Otero 77.7
Eddy 180.3
Dona Ana 159.3
Luna 223.8
Hidalgo 134.7

Rate Per 100,000 Population

- 0.0
- 0.1 - 27.9
- 28.0 - 115.3
- 115.4 - 198.1
- 198.2 - 339.9
- 340.0 - 638.7

Age-adjusted Mortality Rate per 100,000 Population by County (last 14 days)

San Juan 7.6
Rio Arriba 4.9
Taos 0.0
Colfax 0.0
Union 0.0
Mora 0.0
Harding 0.0
Los Alamos 4.3
McKinley 6.4
Sandoval 2.4
Santa Fe 1.2
San Miguel 6.3
Quay 0.0
Cibola 0.0
Bernalillo 1.7
Guadalupe 0.0
Valencia 0.0
Torrance 0.0
Curry 0.0
De Baca 0.0
Catron 0.0
Socorro 4.4
Lincoln 0.0
Roosevelt 0.0
Chaves 1.9
Sierra 0.0
Grant 1.4
Lea 1.6
Otero 4.5
Eddy 0.0
Luna 8.1
Dona Ana 1.1
Hidalgo 0.0

Rate per 100,000 Population

0.0	2.5 - 4.9
0.1 - 1.7	5.0 - 6.4
1.8 - 2.4	6.5 - 8.1

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SECTION 3: CASE FATALITY RATES

Case Fatality Rate by Age Group

Chart: Case Fatality Rate by Age Group. Y-axis: Percentage of cases resulting in death (0% to 25%).

- 0-17: 0.0%
- 18-44: 0.3%
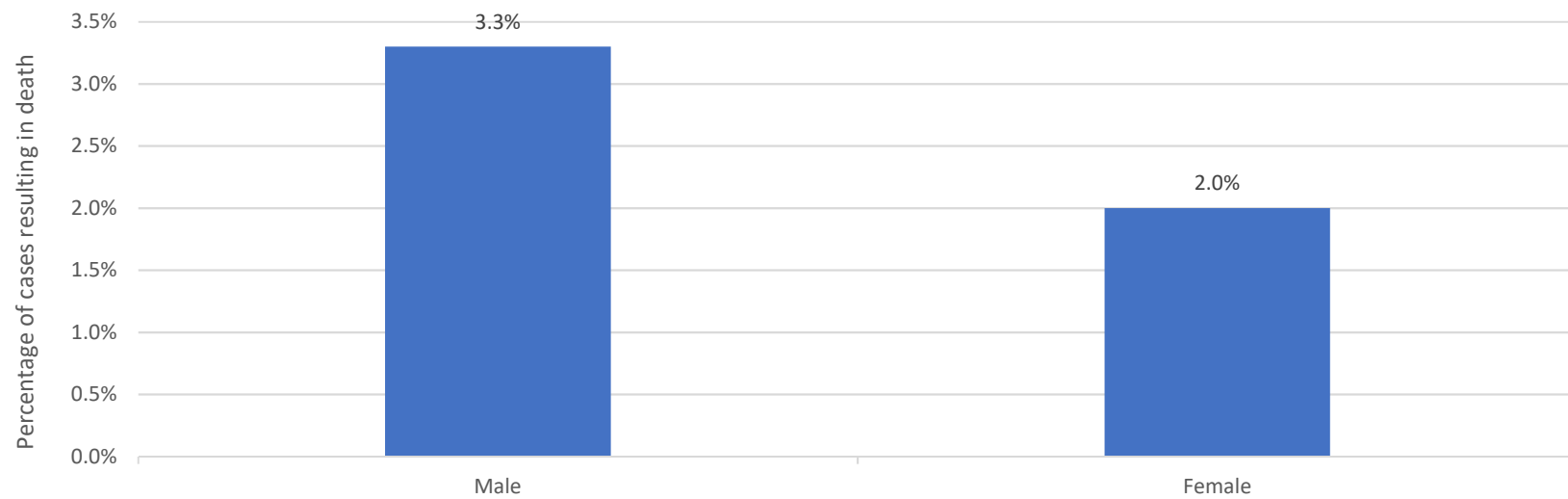- 45-64: 1.8%
- 65-74: 6.7%
- 75+: 19.1%
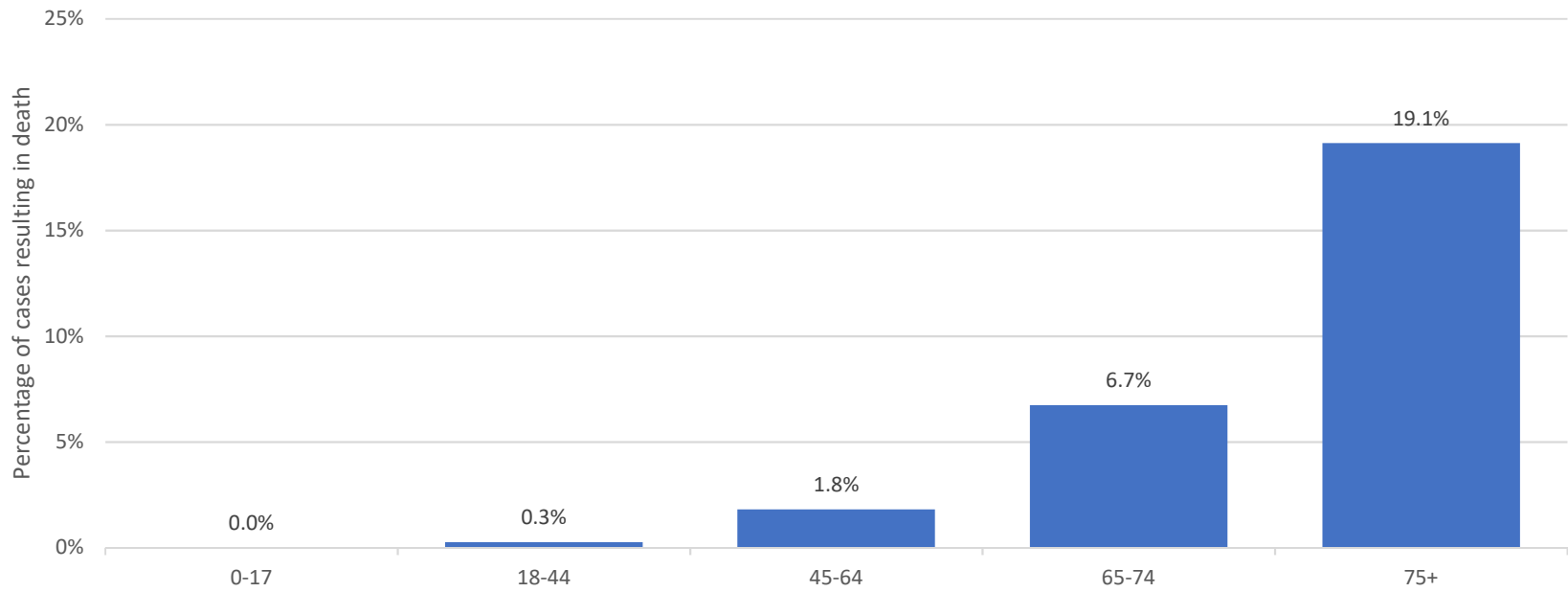
Age-adjusted* Case Fatality Case Fatality Rate by Month of 1ˢᵗ Positive Test
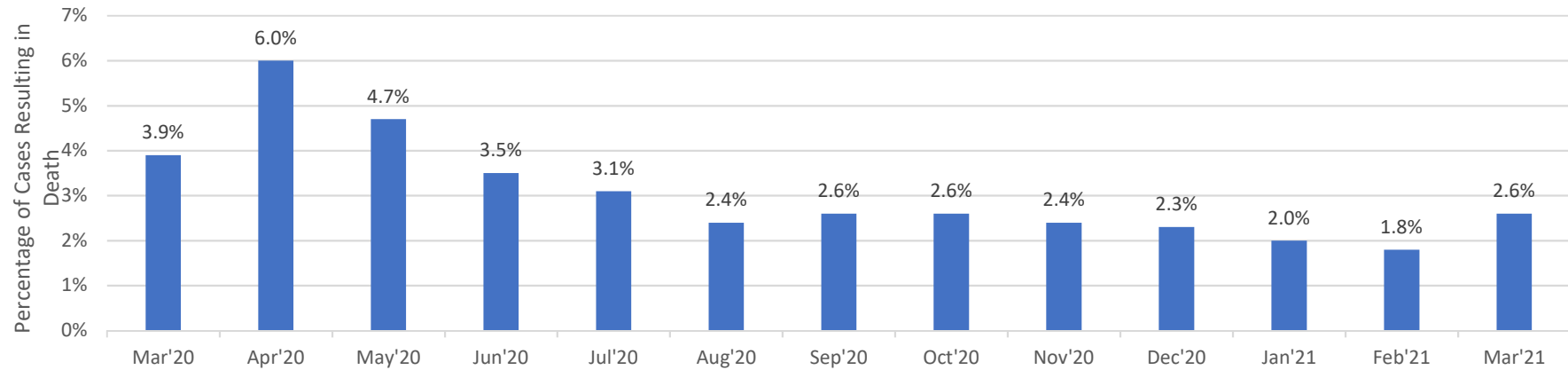
*Age-adjusted case fatality rates are adjusted to the current distribution of U.S. COVID-19 cases.
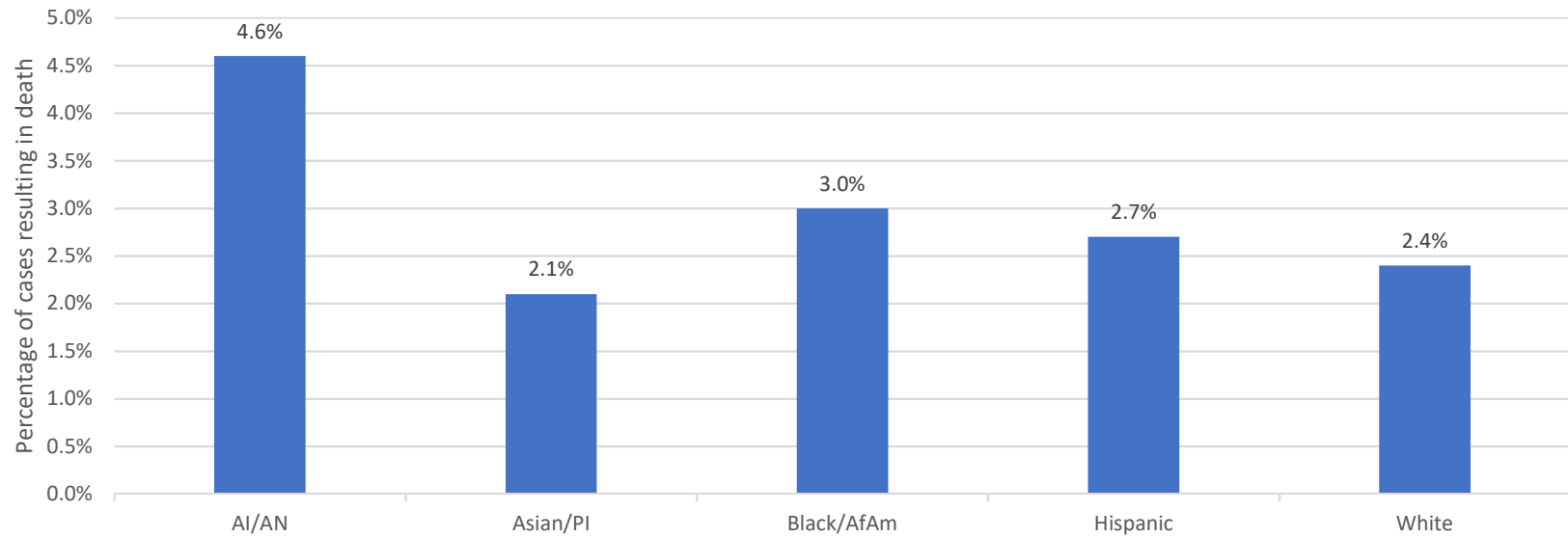https://covid.cdc.gov/covid-data-tracker/#demographics

Age-adjusted* Case Fatality Rate by Gender

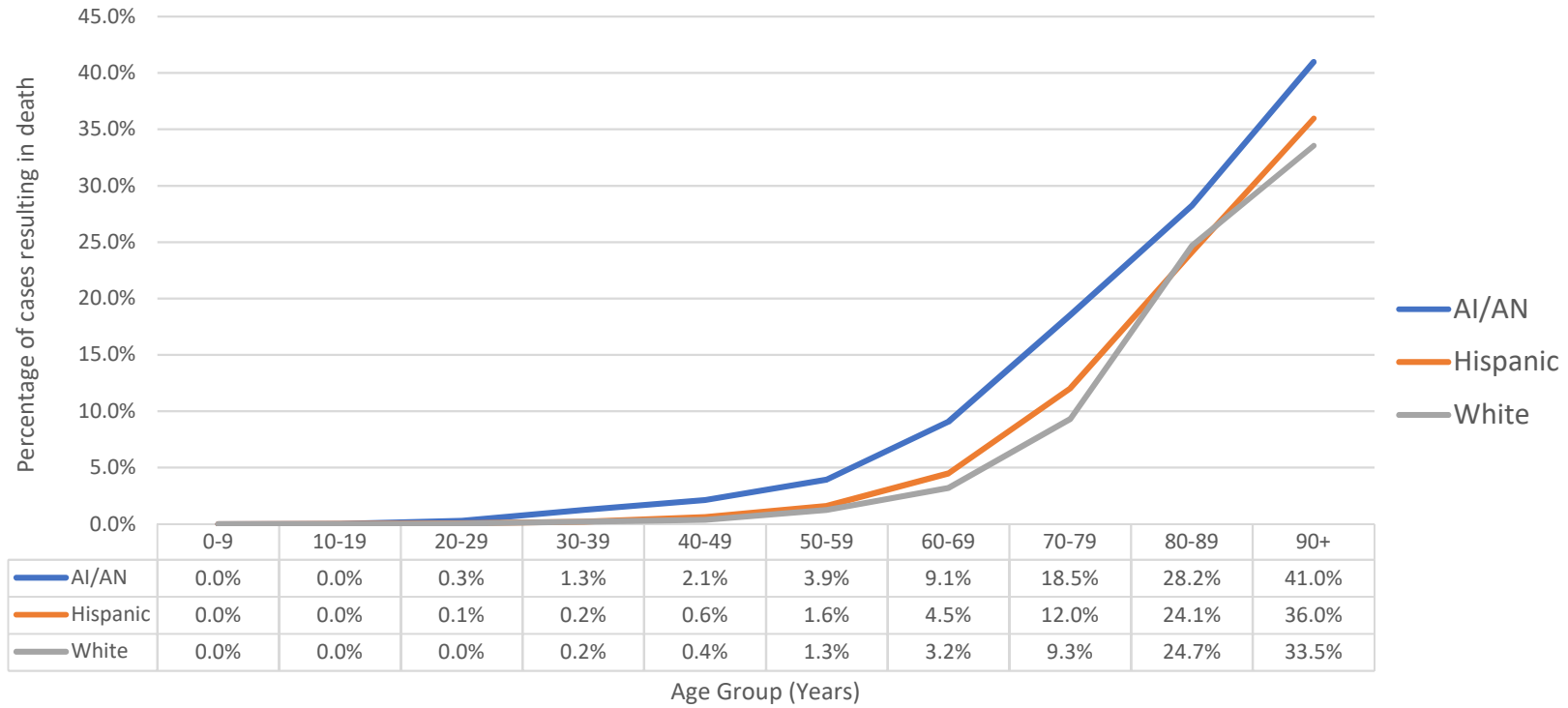*Age-adjusted case fatality rates are adjusted to the current distribution of U.S. COVID-19 cases.
https://covid.cdc.gov/covid-data-tracker/#demographics
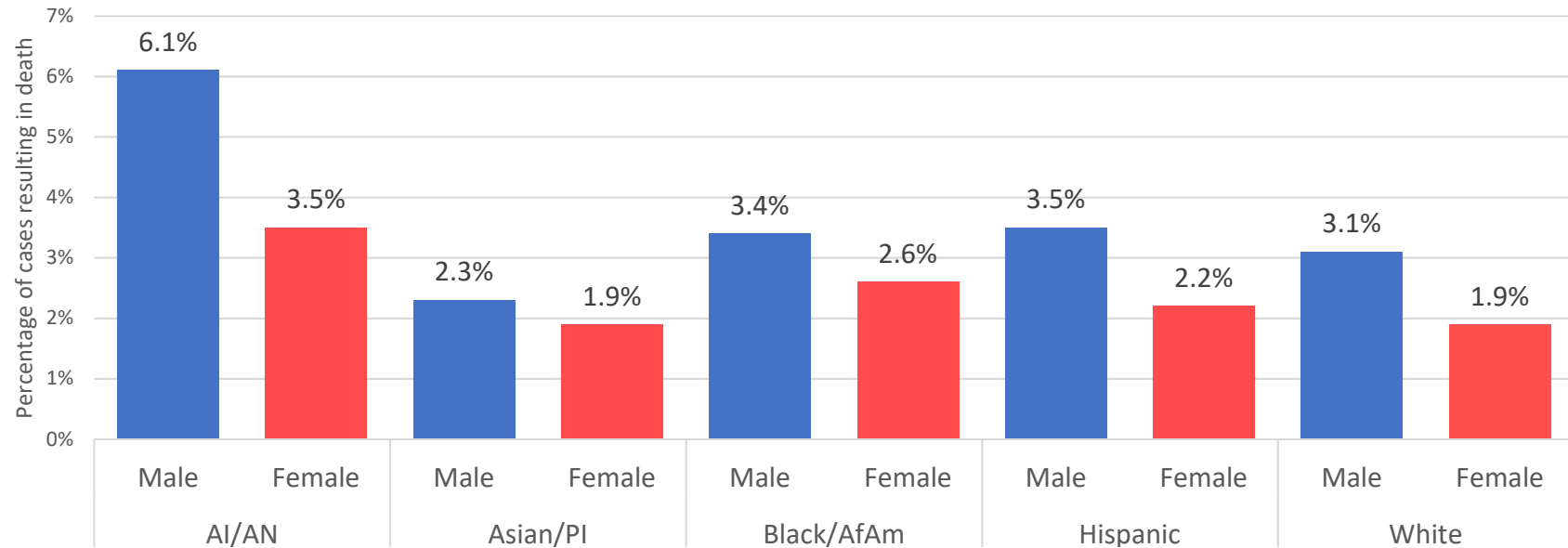
Age-adjusted* Case Fatality Rate by Race/Ethnicity

Age-adjusted* Case Fatality Rate Among AI/AN, by Month of 1st Positive Test
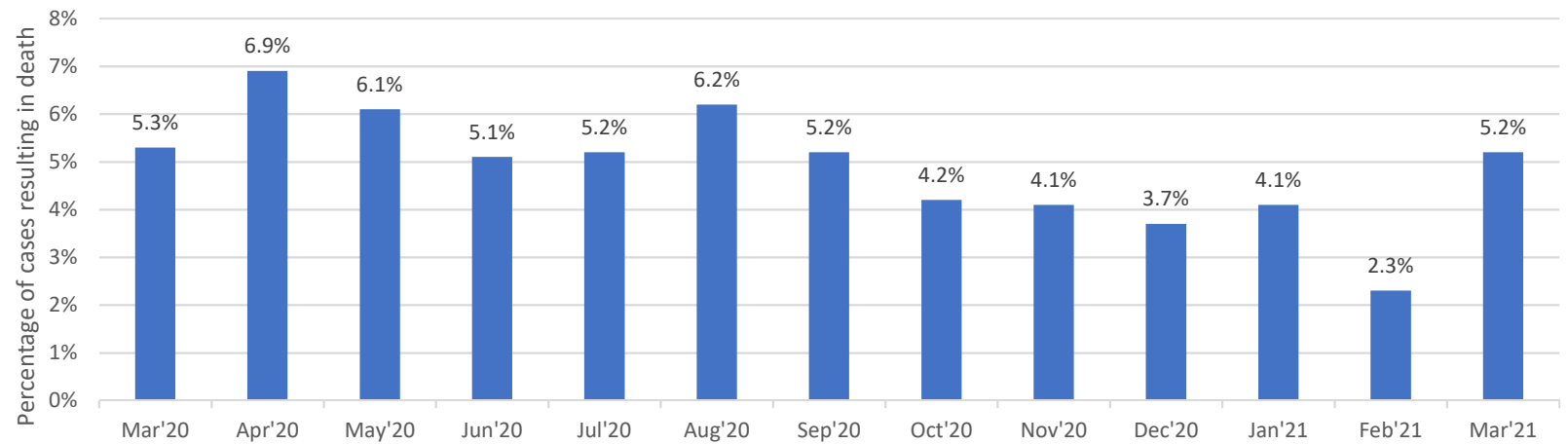
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Case Fatality Rate by Race/Ethnicity and Age Group

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90+
AI/AN	0.0%	0.0%	0.3%	1.3%	2.1%	3.9%	9.1%	18.5%	28.2%	41.0%
Hispanic	0.0%	0.0%	0.1%	0.2%	0.6%	1.6%	4.5%	12.0%	24.1%	36.0%
White	0.0%	0.0%	0.0%	0.2%	0.4%	1.3%	3.2%	9.3%	24.7%	33.5%

Percentage of cases resulting in death

Age Group (Years)

Age-adjusted* Case Fatality Rate by Race/Ethnicity and Gender

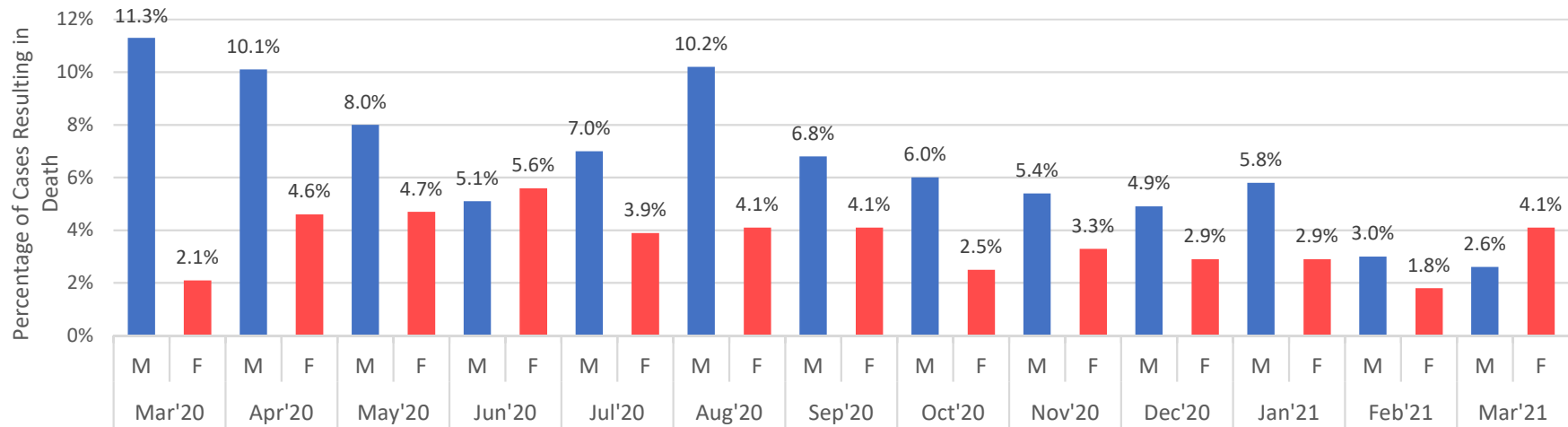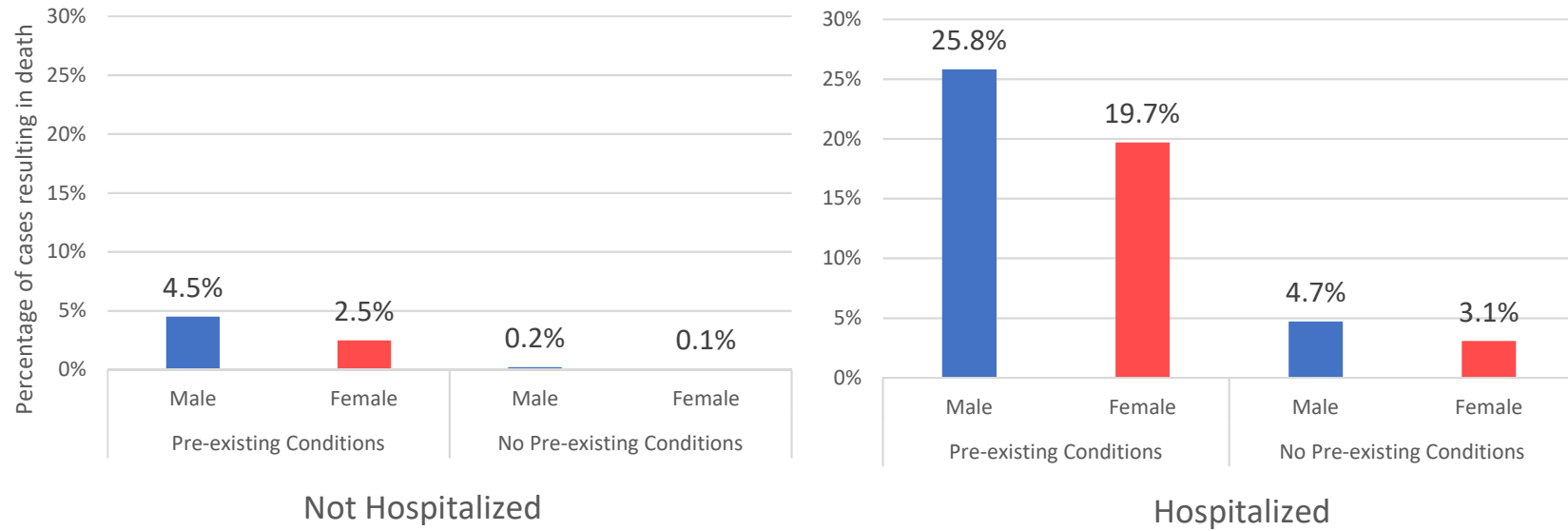**Age-adjusted* Case Fatality Rate Among AI/AN, by Month of 1st Positive Test and Gender**

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Age-adjusted* Case Fatality Rate by Gender, Underlying Conditions, and Hospitalization Status

*Age-adjusted case fatality rates are adjusted to the current distribution of U.S. COVID-19 cases.
https://covid.cdc.gov/covid-data-tracker/#demographics

Data Sources

- **COVID-19 data:** New Mexico Electronic Disease Surveillance System (NM-EDSS), Infectious Disease Epidemiology Bureau, Epidemiology and Response Division, New Mexico Department of Health.
- **Mortality data:** Bureau of Vital Records and Health Statistics, Epidemiology and Response Division, New Mexico Department of Health.
- **Population Estimates:** University of New Mexico, Geospatial and Population Studies (GPS) Program.
- **Age-adjustment:** US 2000 Standard Population Weights for mortality rates. US COVID-19 cases for case fatality rates.

Data Notes

- **The data reported in this weekly update may not match the daily numbers that are reported in the New Mexico Department of Health (NMDOH) press releases and/or the NMDOH COVID-19 data dashboard. This may be due to variation in the date and time of data extraction from NM-EDSS, corrections after quality assurance review, and differences in the exclusion criteria.**

- **New Mexico Electronic Disease Surveillance System (NM-EDSS).** Disease incidence data are derived from reports of notifiable infectious diseases. NMDOH relies on health care providers, laboratories, hospitals, clinics, institutions and individuals to report suspected and confirmed notifiable infectious diseases in accordance with New Mexico Administrative Code 7.4.3.13. Under-reporting can occur due to of lack of awareness about reporting requirements or lack of compliance with those requirements. Not all cases of infectious diseases can be detected for various reasons including lack of access to health care services, lack of laboratory testing or concerns about confidentiality. Specific and standardized national case definitions are used to classify disease reports by case status.

- **New Mexico COVID-19 Related Deaths.** Following the standardized surveillance case definition published by the Council of State and Territorial Epidemiologists, COVID-19 related deaths in NM include 1) deaths of confirmed cases, which have a documented positive RT-PCR test or rapid test for SARS-CoV-2; and 2) deaths based on vital records criteria in the absence of confirmatory laboratory evidence, which is a death certificate that lists COVID-19 disease or SARS-CoV-2 as a cause of death or a significant condition contributing to death. Death certificates may list multiple causes of death, with one single cause identified as the underlying cause of death defined as the condition that began the chain of events that ultimately led to the person's death. Death certificates may also list significant conditions contributing to death, defined as a condition or circumstance that contributed to the cause of death but did not result in the underlying cause nor participated in the causal pathway to the final or immediate cause of death. NM only includes natural deaths, and excludes intentional and unintentional injury deaths among confirmed cases.

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- **New Mexico Population Estimates.** All population estimates apply to July 1 of 2019. Estimates include decimal fractions. The sum of population subgroup estimates may not exactly equal the overall state population estimate due to rounding error. Population estimates for previous years are occasionally revised as new information becomes available. When publishing trend data, always be sure that your rates for earlier years match current rates on NM-IBIS that have been calculated with the most up-to-date population estimates.

- **Race/ethnicity.** Race and ethnicity are reported as a single variable, race/ethnicity, according to the selection of the case. Any case who is Hispanic is in the Hispanic category and all other races are non-Hispanic.

- **Mortality rate per 100,000 population**. A basic measure of disease-specific hospitalization frequency is a rate, which takes into account the number of deaths and the population size. It is helpful in making public health decisions for a given population, relative to another population regardless of size.

- **Age-adjusted mortality or case fatality rate per 100,000 population.** The age-distribution of a population (the number of people in particular age categories) can change over time and can be different in different geographic areas. The use of age-adjusted rates permits a valid comparison among populations. It ensures that the differences in deaths from one population to another are not due to differences in the age distribution of the populations being compared.