# NEW MEXICO COVID-19 MORTALITY UPDATE
## April 11th, 2023

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

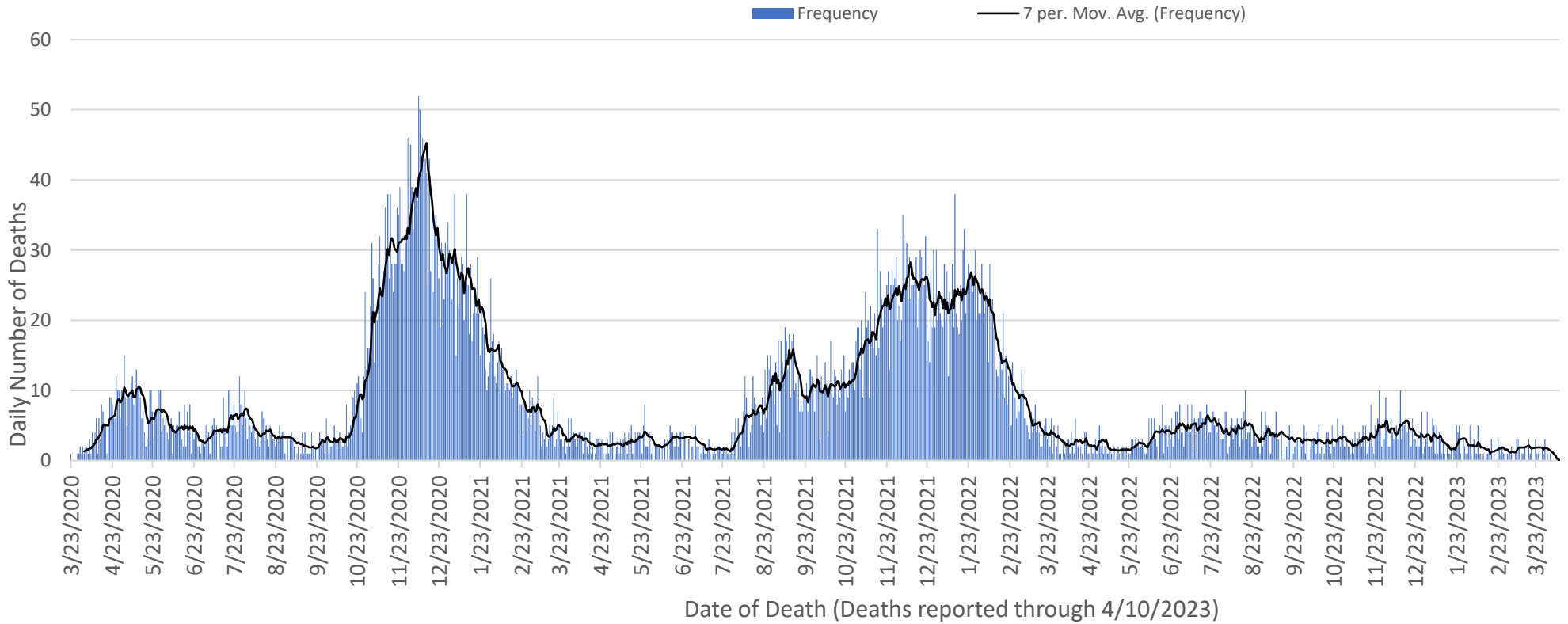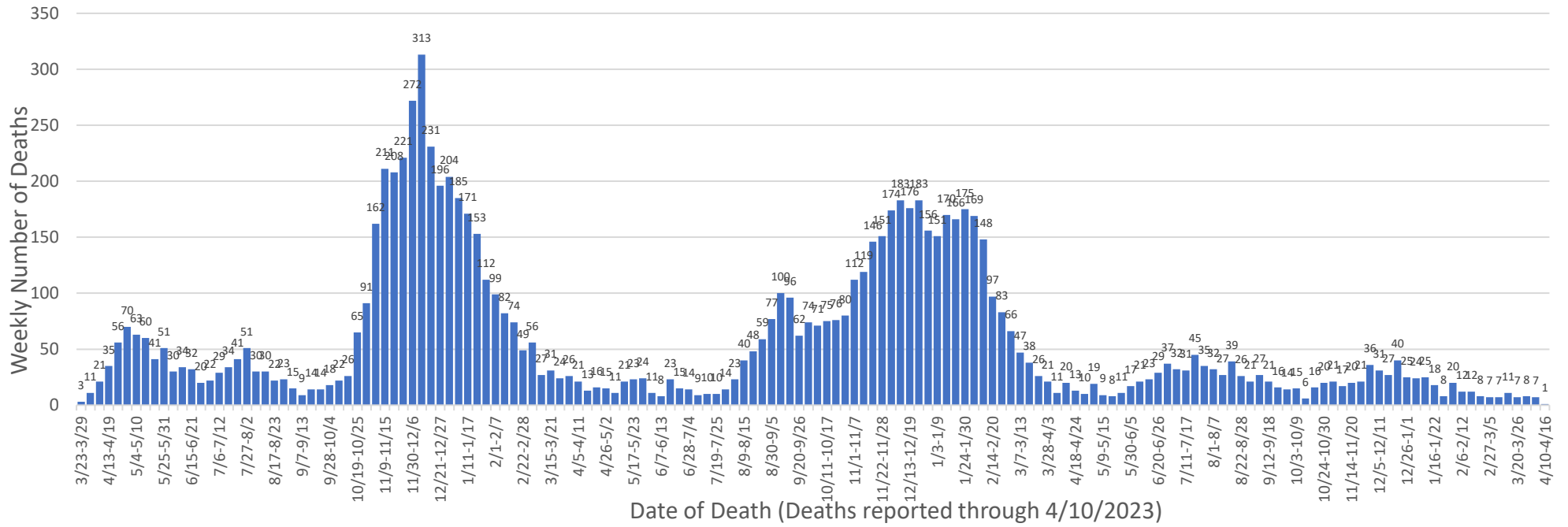| Total Deaths | Deaths in the Last 14 Days |
|:---:|:---:|
| 9,150 | 8 |

## SECTION 1: DEATH COUNTS

### Daily Number of Deaths and 7-day Moving Average



Legend: Frequency | 7 per. Mov. Avg. (Frequency)

Y-axis: Daily Number of Deaths

X-axis: Date of Death (Deaths reported through 4/10/2023)

Number of Deaths Each Week

Weekly Number of Deaths vs. Date of Death (Deaths reported through 4/10/2023)

**Number of Deaths Each Week by Long- and Short-term Care Facility Residence**

Legend:
- Not Long-term or Short-term Care
- Long-term or Short-term Care Facility (16% of deaths)

Y-axis: Weekly Number of Deaths

X-axis: Date of Death (Deaths reported through 4/10/2023)
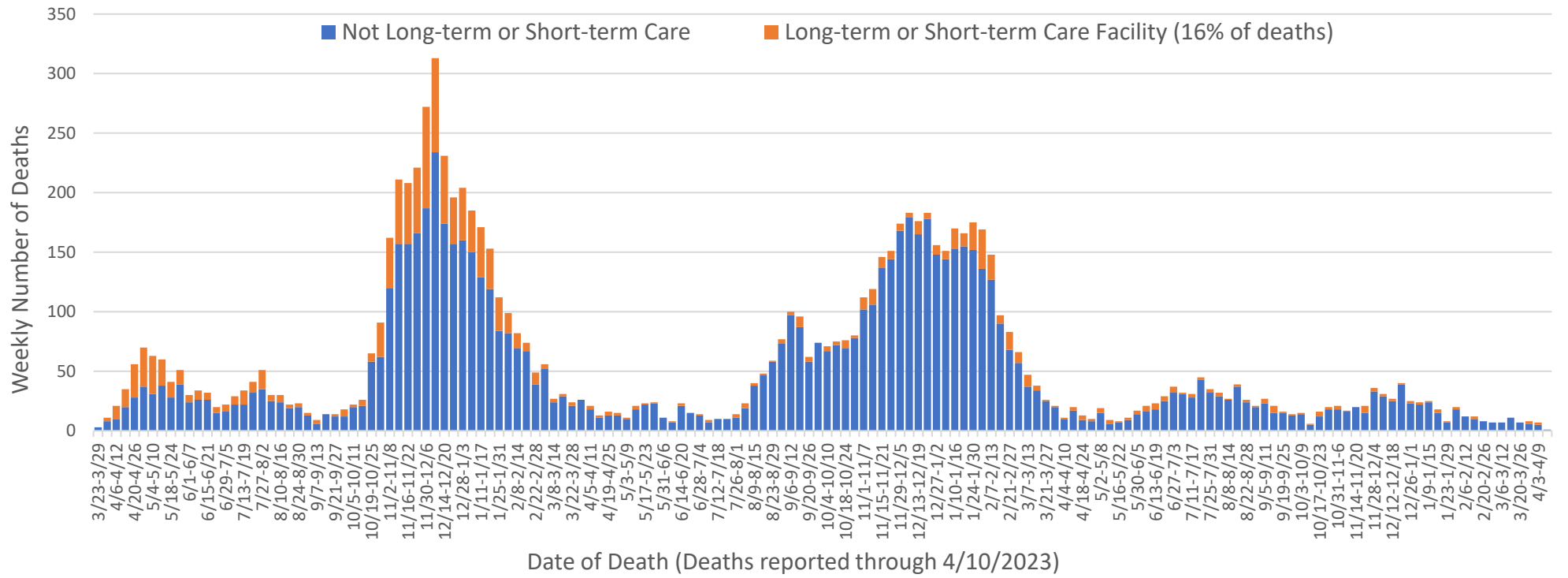
# Number of Deaths by Age Group Each Month
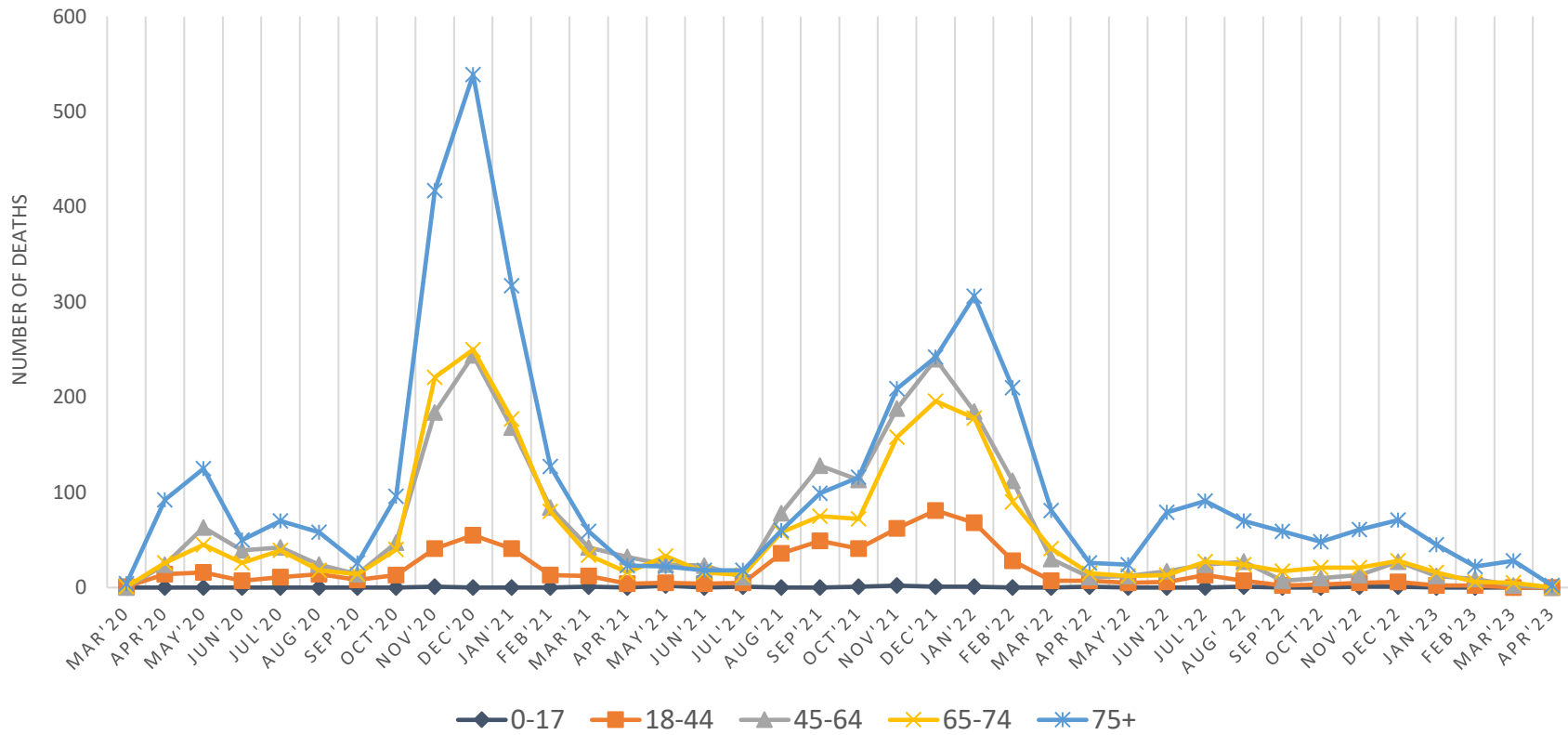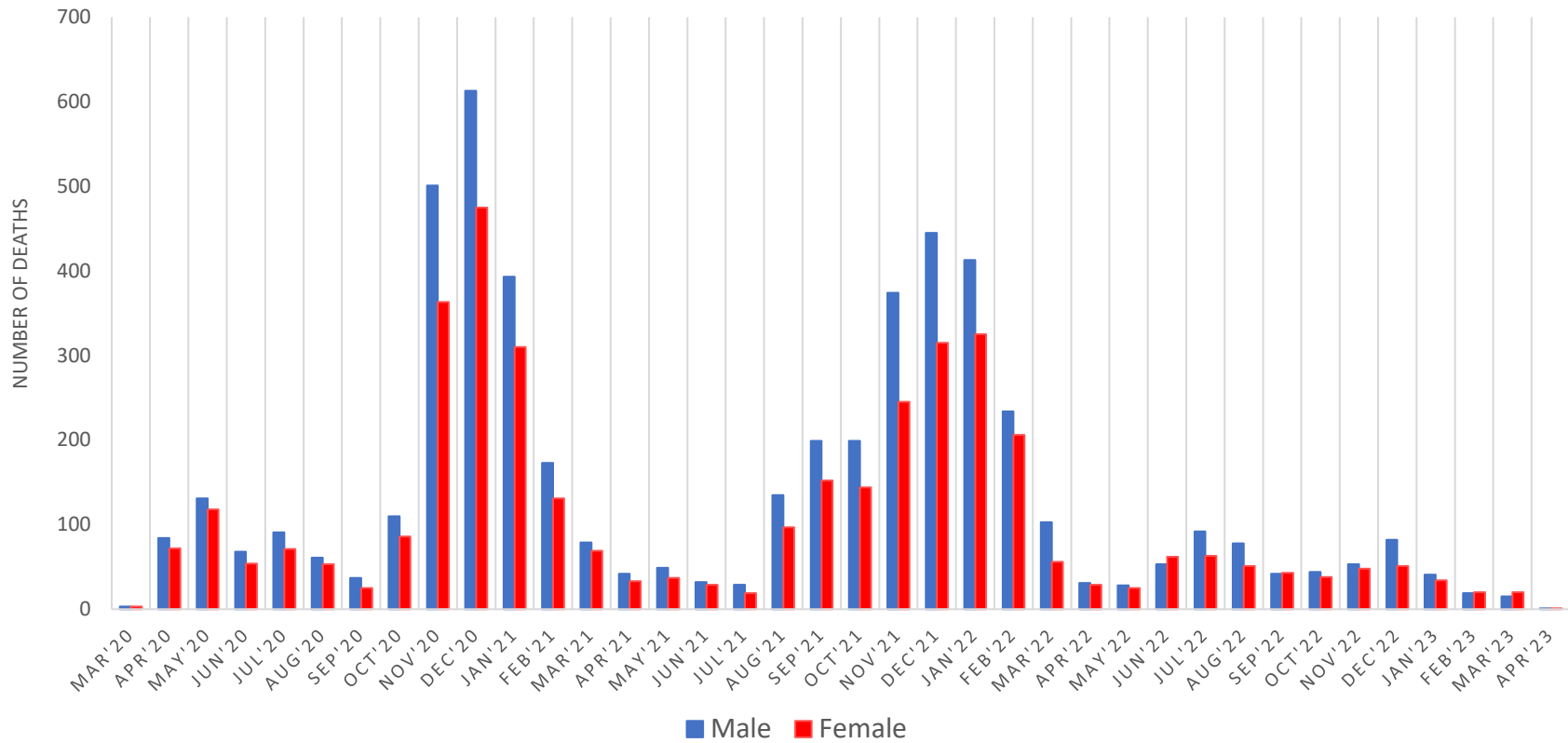


| Age Group (years) | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug' 22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-17 | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 14 |
| 18-44 | 636 | 7 | 5 | 6 | 13 | 7 | 2 | 3 | 5 | 6 | 2 | 2 | 0 | 0 | 694 |
| 45-64 | 2139 | 11 | 12 | 17 | 24 | 27 | 7 | 10 | 13 | 27 | 12 | 9 | 2 | 0 | 2310 |
| 65-74 | 1917 | 15 | 12 | 13 | 27 | 24 | 17 | 21 | 21 | 28 | 16 | 6 | 5 | 0 | 2122 |
| 75+ | 3384 | 26 | 24 | 79 | 91 | 70 | 59 | 48 | 61 | 71 | 45 | 22 | 28 | 2 | 4010 |
| Total | 8086 | 60 | 53 | 115 | 155 | 129 | 85 | 82 | 101 | 133 | 75 | 39 | 35 | 2 | 9150 |

1 – The subtotal column includes deaths from March 2020 through March 2022.

# Number of Deaths by Gender Each Month



| Gender | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug'22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| **Female** | 3488 | 29 | 25 | 62 | 63 | 51 | 43 | 38 | 48 | 51 | 34 | 20 | 20 | 1 | 3973 |
| **Male** | 4598 | 31 | 28 | 53 | 92 | 78 | 42 | 44 | 53 | 82 | 41 | 19 | 15 | 1 | 5177 |
| **Total** | 8086 | 60 | 53 | 115 | 155 | 129 | 85 | 82 | 101 | 133 | 75 | 39 | 35 | 2 | 9150 |

1 – The subtotal column includes deaths from March 2020 through March 2022.
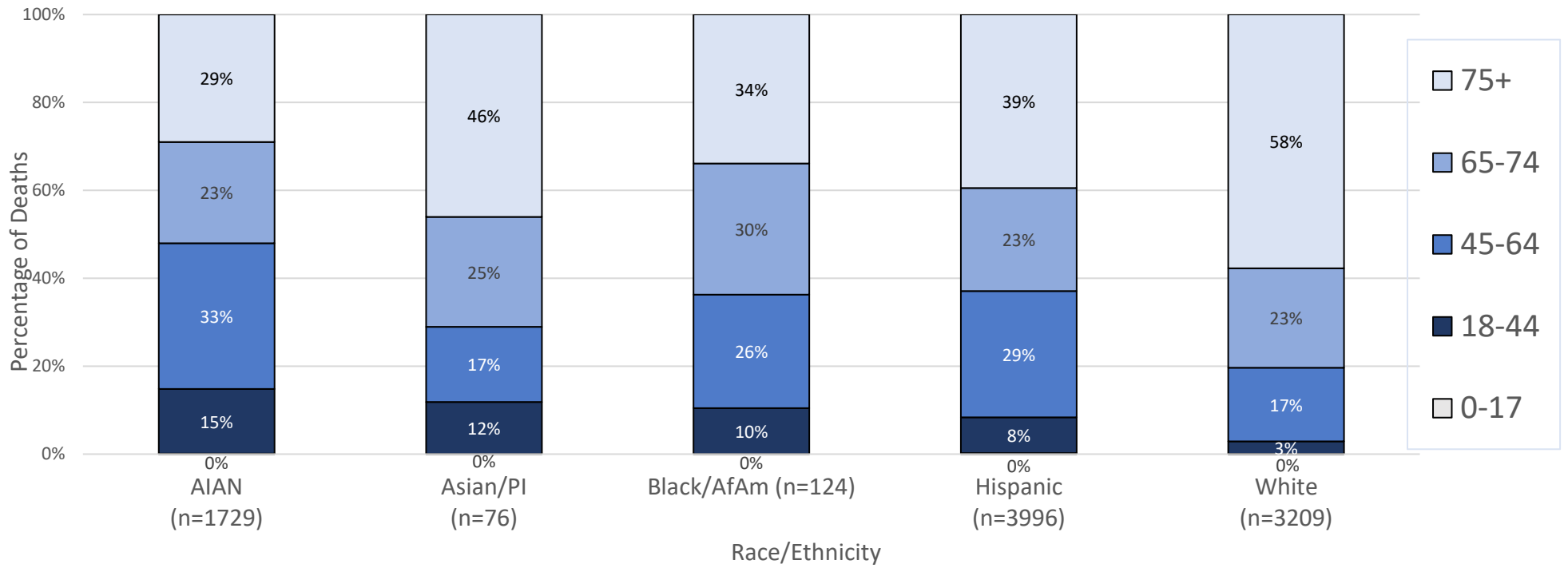
# Number of Deaths by Race/Ethnicity Each Month
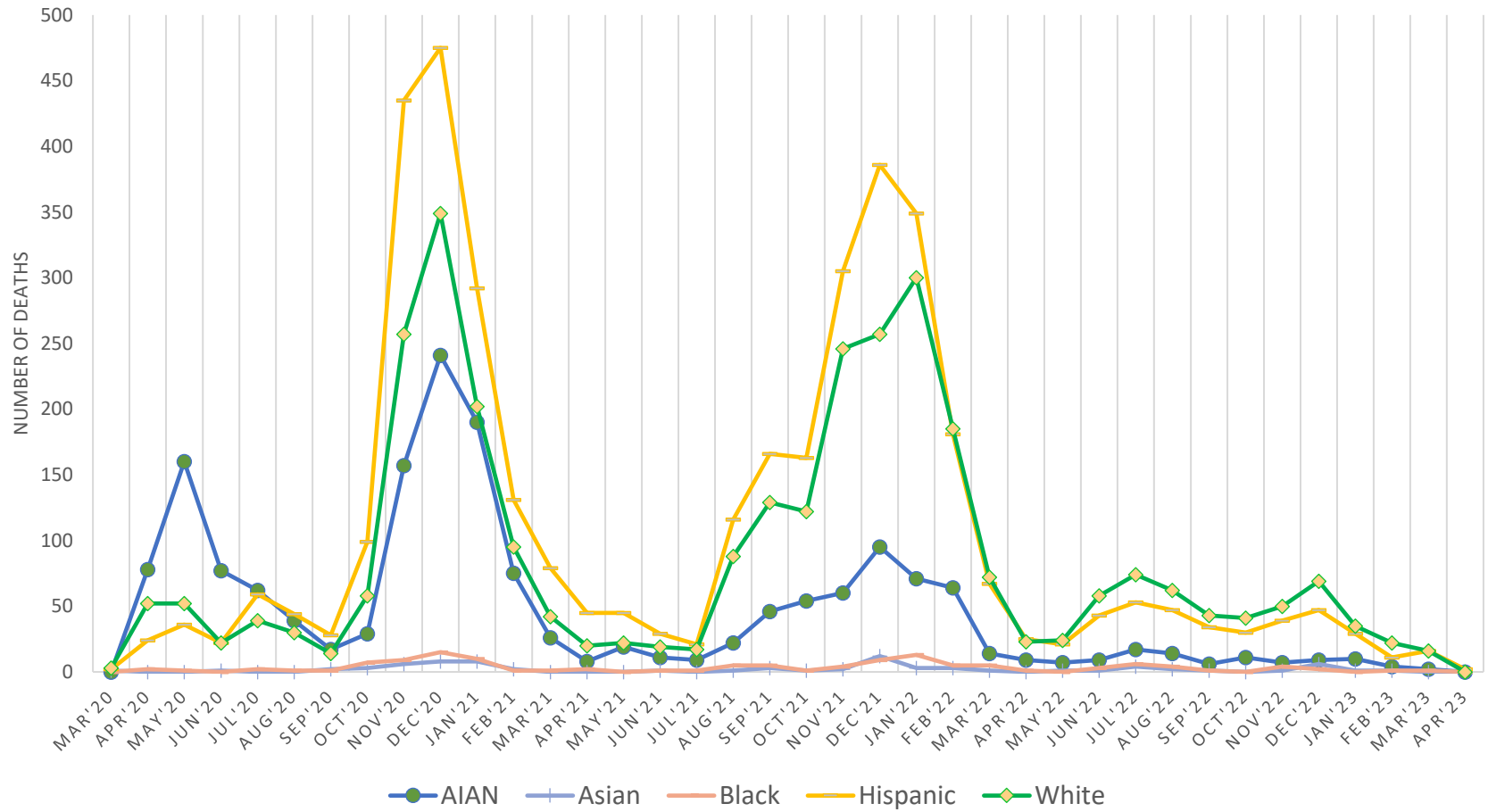


| Race/Ethnicity | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug' 22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AIAN** | 1624 | 9 | 7 | 9 | 17 | 14 | 6 | 11 | 7 | 9 | 10 | 4 | 2 | 0 | 1729 |
| **Asian** | 58 | 0 | 1 | 1 | 4 | 2 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 76 |
| **Black** | 101 | 1 | 0 | 3 | 6 | 4 | 1 | 0 | 4 | 2 | 0 | 1 | 1 | 0 | 124 |
| **Hispanic** | 3599 | 25 | 21 | 43 | 53 | 47 | 34 | 30 | 39 | 47 | 29 | 11 | 16 | 2 | 3996 |
| **White** | 2692 | 23 | 24 | 58 | 74 | 62 | 43 | 41 | 50 | 69 | 35 | 22 | 16 | 0 | 3209 |

1 – The subtotal column includes deaths from March 2020 through March 2022.

**Percentage of Deaths by Race/Ethnicity and Age Group**

Y-axis: Percentage of Deaths

Legend: 75+, 65-74, 45-64, 18-44, 0-17

AIAN (n=1729): 75+ 29%, 65-74 23%, 45-64 33%, 18-44 15%, 0-17 0%

Asian/PI (n=76): 75+ 46%, 65-74 25%, 45-64 17%, 18-44 12%, 0-17 0%

Black/AfAm (n=124): 75+ 34%, 65-74 30%, 45-64 26%, 18-44 10%, 0-17 0%

Hispanic (n=3996): 75+ 39%, 65-74 23%, 45-64 29%, 18-44 8%, 0-17 0%

White (n=3209): 75+ 58%, 65-74 23%, 45-64 17%, 18-44 3%, 0-17 0%

X-axis: Race/Ethnicity

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

| County of Residence | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug' 22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bernalillo | 1933 | 17 | 14 | 50 | 52 | 39 | 25 | 28 | 42 | 37 | 20 | 16 | 13 | 0 | 2286 |
| Dona Ana | 855 | 5 | 7 | 5 | 19 | 10 | 10 | 4 | 1 | 16 | 7 | 2 | 6 | 0 | 947 |
| San Juan | 798 | 9 | 2 | 3 | 10 | 12 | 5 | 5 | 12 | 7 | 4 | 2 | 0 | 0 | 869 |
| McKinley | 615 | 1 | 1 | 2 | 9 | 7 | 5 | 4 | 3 | 6 | 4 | 2 | 1 | 0 | 660 |
| Sandoval | 451 | 4 | 4 | 6 | 7 | 8 | 7 | 4 | 5 | 11 | 5 | 3 | 1 | 1 | 517 |
| Lea | 385 | 4 | 0 | 1 | 4 | 6 | 5 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 411 |
| Santa Fe | 304 | 3 | 7 | 17 | 9 | 15 | 6 | 11 | 11 | 9 | 6 | 3 | 1 | 0 | 402 |
| Chaves | 345 | 0 | 2 | 1 | 2 | 5 | 1 | 0 | 1 | 0 | 4 | 1 | 1 | 0 | 363 |
| Valencia | 279 | 3 | 2 | 2 | 7 | 6 | 2 | 7 | 8 | 5 | 4 | 2 | 2 | 0 | 329 |
| Eddy | 308 | 2 | 1 | 1 | 3 | 1 | 6 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 328 |
| Curry | 219 | 4 | 3 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 235 |
| Otero | 199 | 1 | 1 | 5 | 4 | 4 | 3 | 3 | 1 | 7 | 1 | 1 | 1 | 0 | 231 |
| Cibola | 199 | 0 | 1 | 2 | 2 | 0 | 1 | 3 | 3 | 1 | 1 | 1 | 0 | 0 | 214 |
| Rio Arriba | 144 | 1 | 1 | 1 | 5 | 5 | 1 | 1 | 3 | 4 | 1 | 1 | 1 | 0 | 169 |
| Luna | 137 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 153 |
| Grant | 99 | 1 | 1 | 4 | 2 | 1 | 0 | 1 | 2 | 4 | 2 | 0 | 2 | 0 | 119 |
| Roosevelt | 107 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 112 |
| Taos | 92 | 0 | 1 | 3 | 1 | 0 | 2 | 4 | 3 | 1 | 2 | 0 | 1 | 0 | 110 |
| Socorro | 91 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 102 |
| San Miguel | 67 | 2 | 2 | 0 | 4 | 1 | 0 | 1 | 0 | 7 | 3 | 0 | 2 | 1 | 90 |
| Sierra | 81 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 88 |
| Lincoln | 70 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 76 |
| Colfax | 67 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 72 |
| Quay | 65 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 70 |
| Torrance | 59 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 62 |
| Los Alamos | 16 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 25 |
| Catron | 21 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23 |
| Mora | 19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 22 |
| Union | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Guadalupe | 17 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Hidalgo | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 18 |
| De Baca | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Harding | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Total | 8086 | 60 | 53 | 115 | 155 | 129 | 85 | 82 | 101 | 133 | 75 | 39 | 35 | 2 | 9150 |

1 – The subtotal column includes deaths from March 2020 through March 2022.
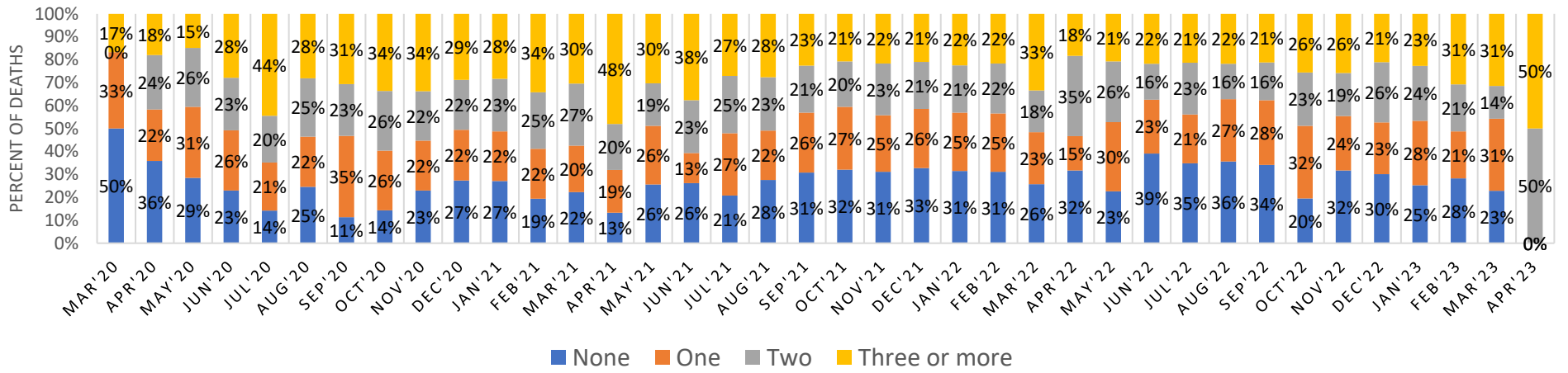
# Number of Deaths by Underlying Conditions Each Month
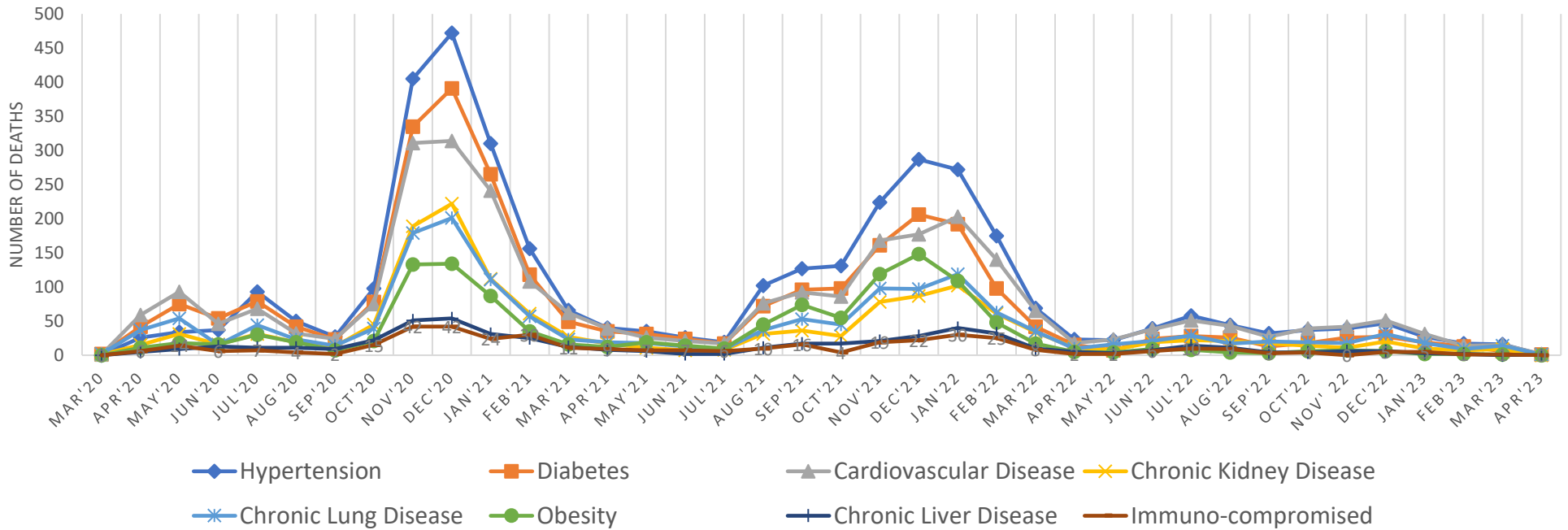


| Underlying Conditions | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug' 22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hypertension | 3281 | 23 | 22 | 39 | 58 | 44 | 32 | 37 | 39 | 47 | 27 | 17 | 16 | 1 | 3683 |
| Diabetes | 2625 | 15 | 7 | 24 | 28 | 26 | 13 | 18 | 26 | 27 | 19 | 13 | 6 | 1 | 2848 |
| Cardiovascular Disease | 2544 | 18 | 23 | 38 | 51 | 43 | 27 | 39 | 42 | 51 | 31 | 14 | 15 | 2 | 2938 |
| Chronic Kidney Disease | 1282 | 11 | 8 | 19 | 22 | 21 | 17 | 14 | 11 | 20 | 10 | 7 | 9 | 0 | 1451 |
| Chronic Lung Disease | 1405 | 10 | 16 | 21 | 29 | 17 | 20 | 19 | 18 | 31 | 18 | 9 | 14 | 1 | 1628 |
| Obesity | 1197 | 5 | 4 | 9 | 8 | 4 | 3 | 6 | 7 | 6 | 2 | 2 | 1 | 0 | 1254 |
| Chronic Liver Disease | 447 | 5 | 3 | 7 | 14 | 11 | 4 | 4 | 6 | 6 | 3 | 2 | 0 | 0 | 512 |
| Immuno-compromised | 366 | 2 | 2 | 6 | 10 | 9 | 3 | 4 | 0 | 5 | 5 | 1 | 1 | 0 | 414 |

1 – The subtotal column includes deaths from March 2020 through March 2022.

# Percentage and Number of Deaths Each Month by Number of Underlying Conditions Reported



| Number of Underlying Conditions | Subtotal[1] | Apr'22 | May'22 | Jun'22 | Jul'22 | Aug' 22 | Sep'22 | Oct'22 | Nov'22 | Dec'22 | Jan'23 | Feb'23 | Mar'23 | Apr'23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None | 2214 | 19 | 12 | 45 | 54 | 46 | 29 | 16 | 32 | 40 | 19 | 11 | 8 | 0 | 2545 |
| One | 1932 | 9 | 16 | 27 | 33 | 35 | 24 | 26 | 24 | 30 | 21 | 8 | 11 | 0 | 2196 |
| Two | 1780 | 21 | 14 | 18 | 35 | 20 | 14 | 19 | 19 | 35 | 18 | 8 | 5 | 1 | 2007 |
| Three or more | 2160 | 11 | 11 | 25 | 33 | 28 | 18 | 21 | 26 | 28 | 17 | 12 | 11 | 1 | 2402 |
| Total | 8086 | 60 | 53 | 115 | 155 | 129 | 85 | 82 | 101 | 133 | 75 | 39 | 35 | 2 | 9150 |

1 – The subtotal column includes deaths from March 2020 through March 2022.

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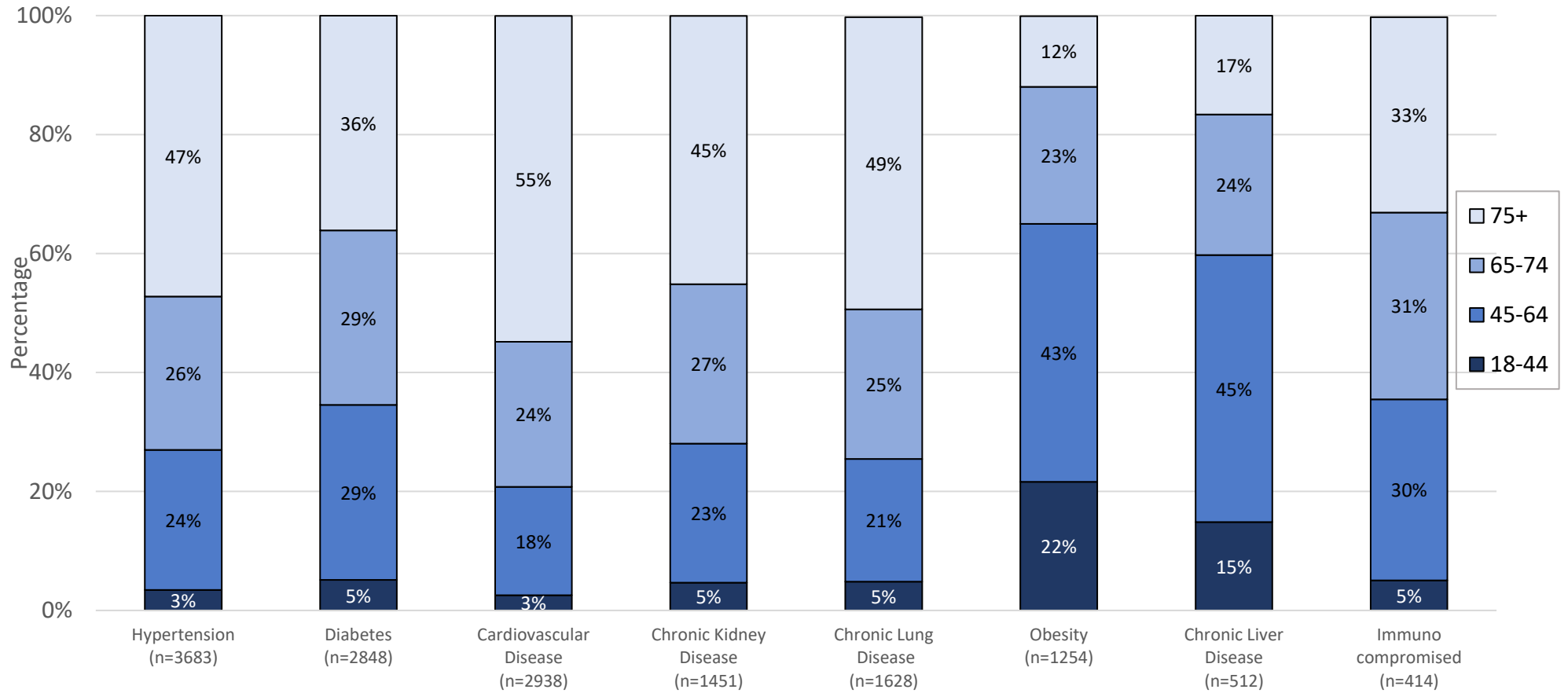
## Number and percent of deaths by Test Result and Cause of Death on the Death Certificate

| Positive COVID-19 Test Result[1] | COVID-19 Cause/Contributor of Death on Death Certificate | Number of Deaths | Percent |
|---|---|---|---|
| Yes | Yes | 8096 | 88.5% |
| Yes | No | 328[2] | 3.6% |
| No | Yes | 726 | 7.9% |
| Total | | 9150 | 100.0% |

1 Positive RT-PCR or Rapid Test
2 Beginning January 1, 2022, deaths due to natural causes matched to a SARS-CoV-2 positive test result within 30 days of the date of death are included as COVID-19 related deaths even when COVID is not listed on the death certificate.

# Number and percent of deaths by underlying cause of death on the death certificate
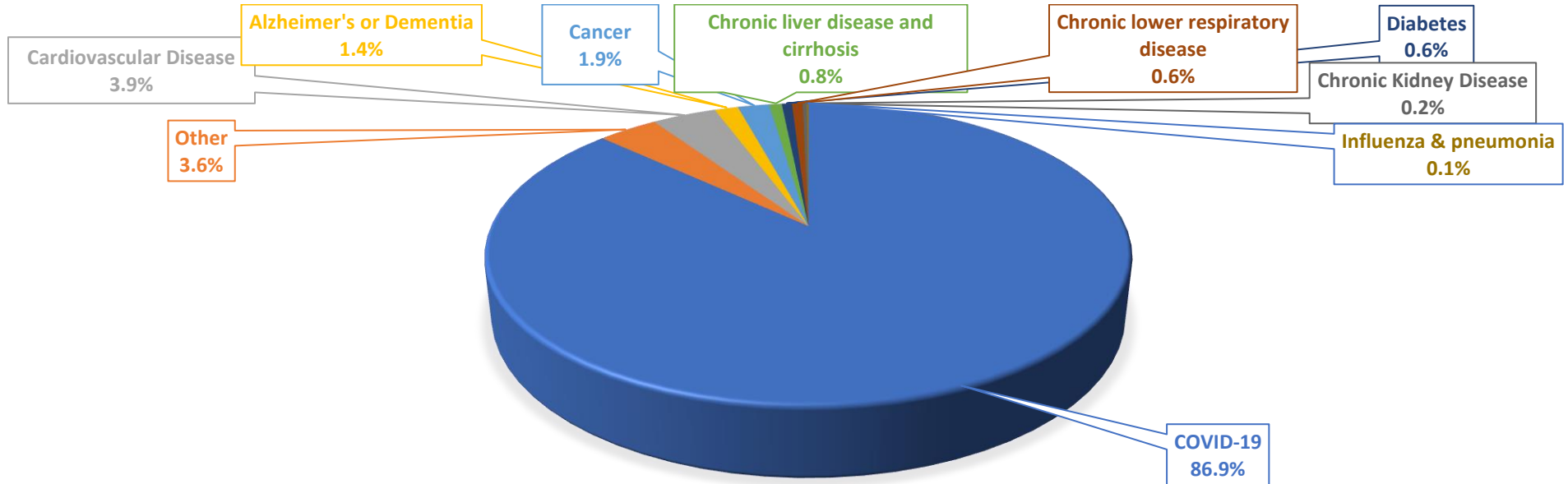


| Underlying Cause | Number of Deaths* | Percent |
|---|---|---|
| COVID-19 | 7687 | 86.9% |
| Other | 318 | 3.6% |
| Cardiovascular Disease | 342 | 3.9% |
| Alzheimer's or Dementia | 124 | 1.4% |
| Cancer | 167 | 1.9% |
| Chronic liver disease and cirrhosis | 67 | 0.8% |
| Diabetes | 54 | 0.6% |
| Chronic lower respiratory disease | 57 | 0.6% |
| Chronic Kidney Disease | 21 | 0.2% |
| Influenza & pneumonia | 9 | 0.1% |
| Total | 8846 | 100.0% |

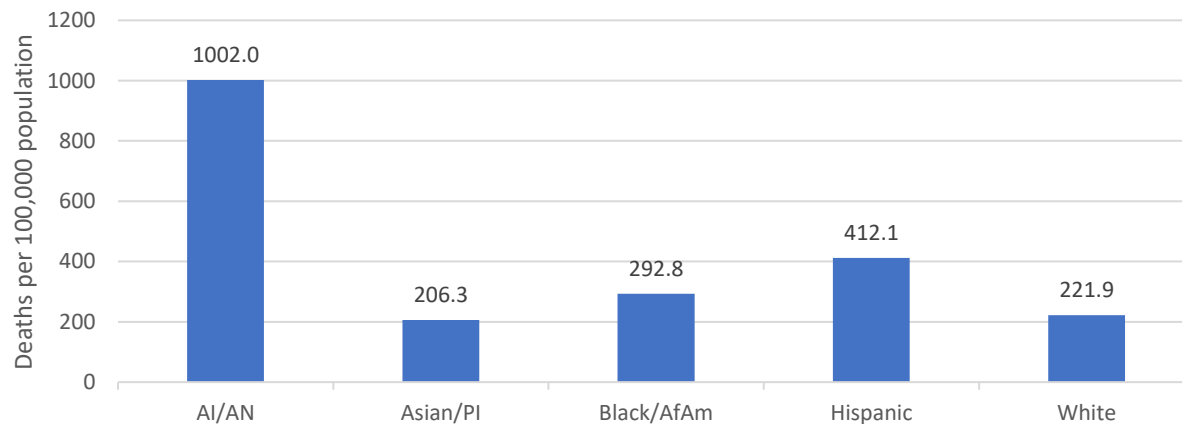*Excludes 304 (3%) deaths which have not yet been coded by the National Center for Health Statistics.
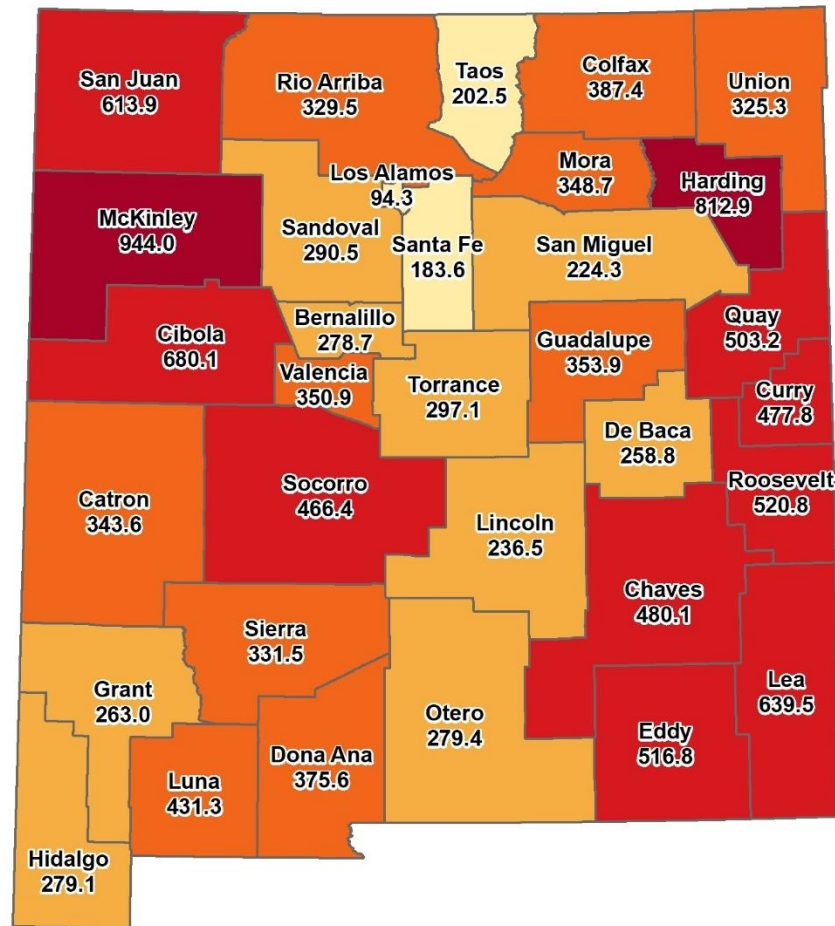
## Mortality Rate per 100,000 Population by Age Group
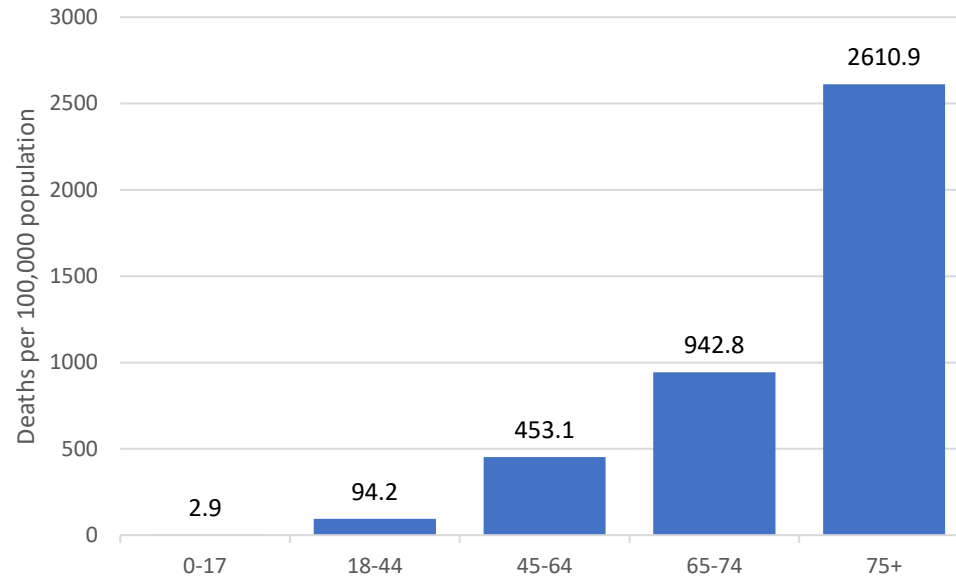
# Age-adjusted Mortality Rate per 100,000 Population by Gender
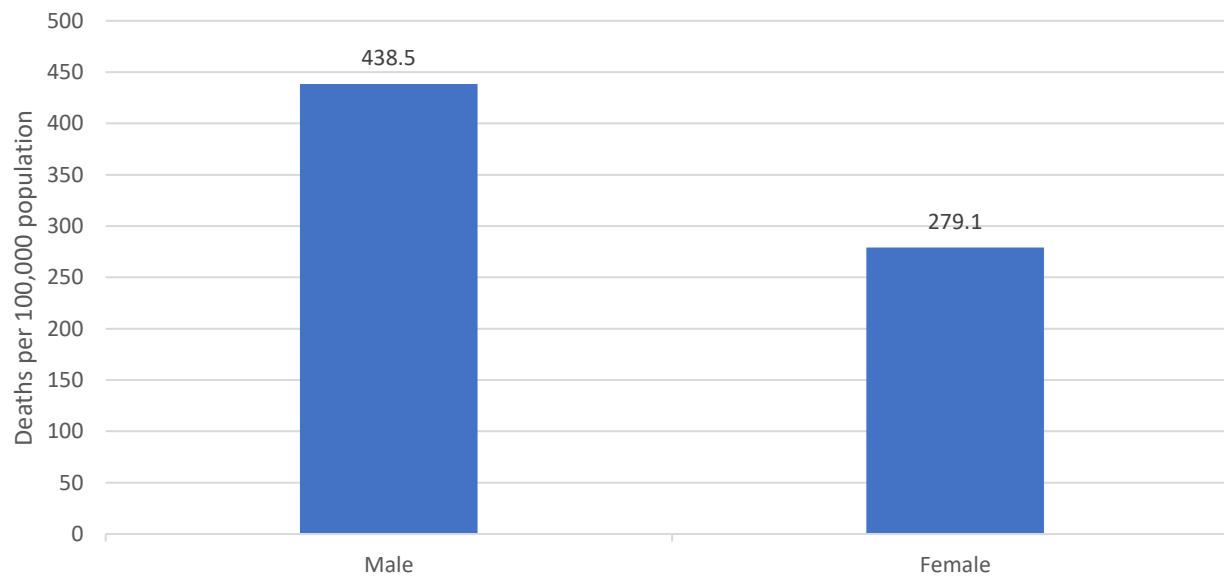


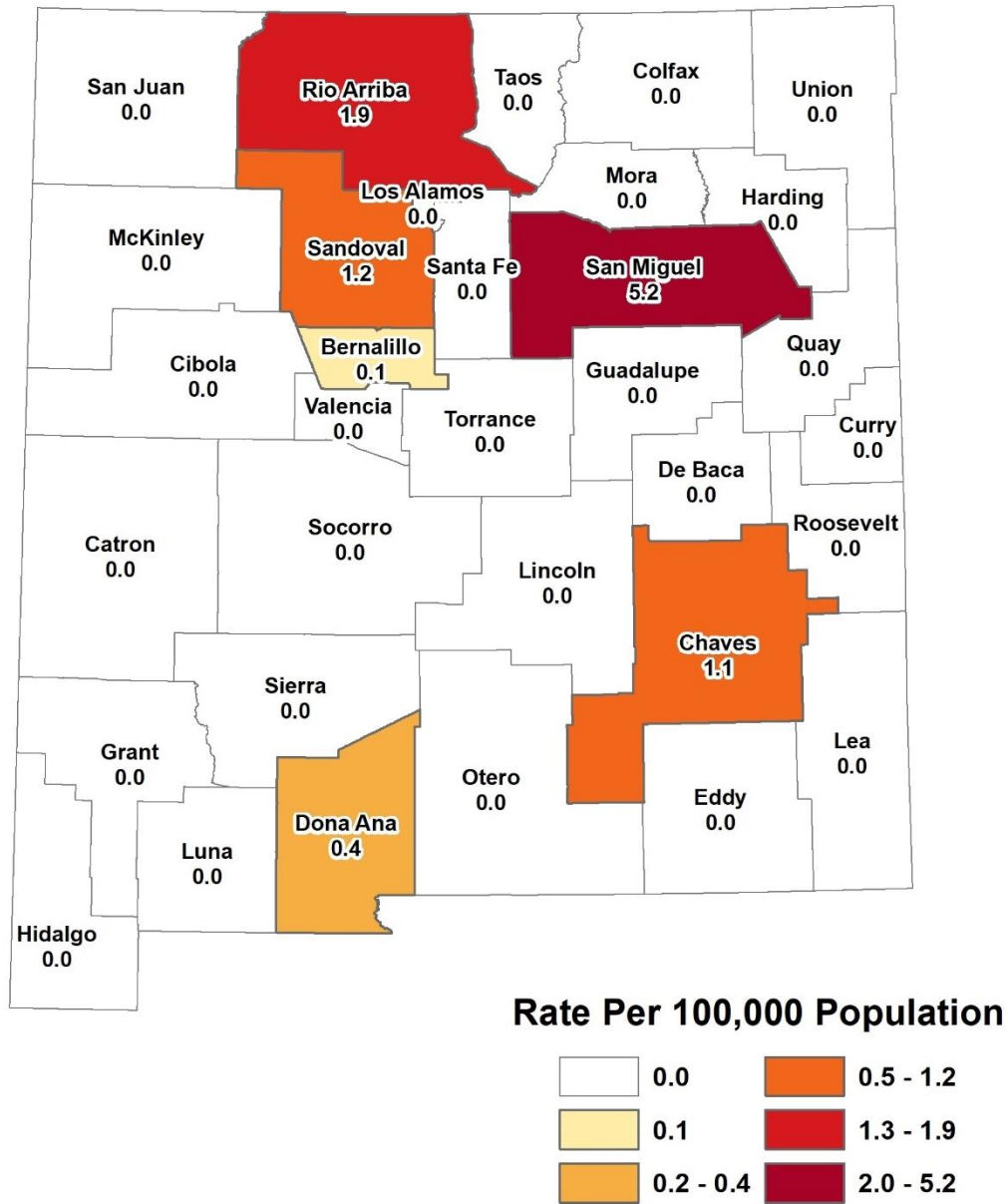# Age-adjusted Mortality rate per 100,000 Population by Race/Ethnicity



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**Rate Per 100,000 Population**

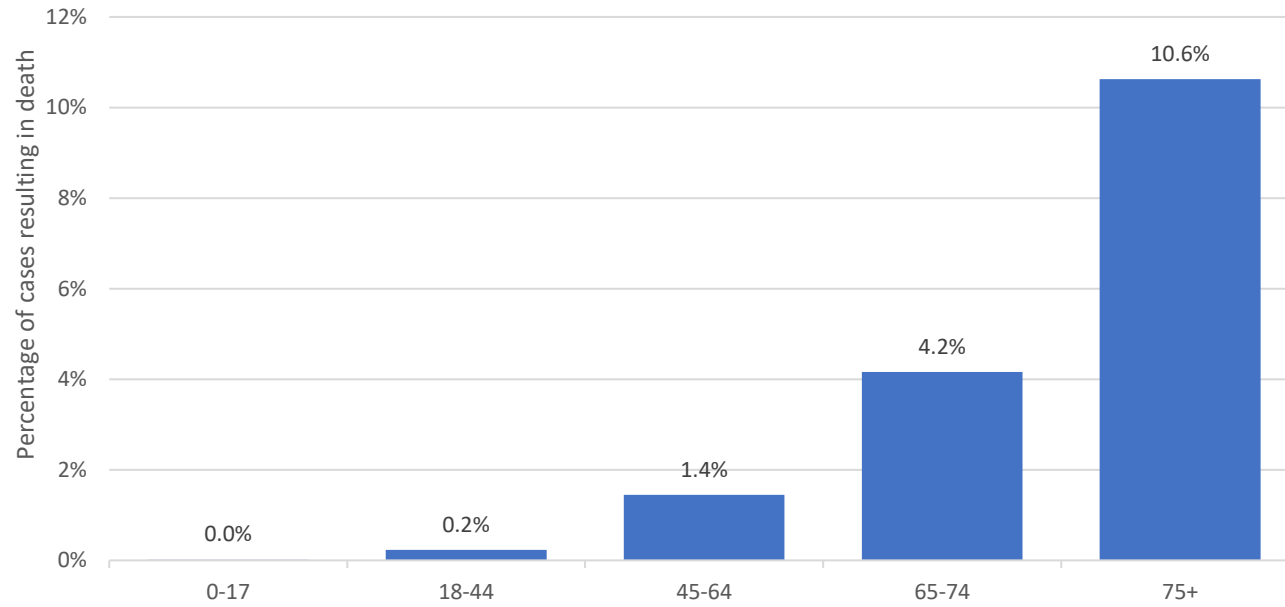| | |
|---|---|
| 94.3 - 202.5 | 431.4 - 680.1 |
| 202.6 - 297.1 | 680.2 - 944.0 |
| 297.2 - 431.3 | |

| San Juan 0.0 | Rio Arriba 1.9 | Taos 0.0 | Colfax 0.0 | Union 0.0 |
| | Los Alamos 0.0 | Mora 0.0 | Harding 0.0 | |
| McKinley 0.0 | Sandoval 1.2 | Santa Fe 0.0 | San Miguel 5.2 | |
| Cibola 0.0 | Bernalillo 0.1 | Guadalupe 0.0 | Quay 0.0 | |
| | Valencia 0.0 | Torrance 0.0 | | Curry 0.0 |
| Catron 0.0 | Socorro 0.0 | Lincoln 0.0 | De Baca 0.0 | Roosevelt 0.0 |
| | Sierra 0.0 | | Chaves 1.1 | Lea 0.0 |
| Grant 0.0 | Dona Ana 0.4 | Otero 0.0 | Eddy 0.0 | |
| Hidalgo 0.0 | Luna 0.0 | | | |

## Rate Per 100,000 Population

| | | | |
|---|---|---|---|
| ☐ | 0.0 | ☐ | 0.5 - 1.2 |
| ☐ | 0.1 | ☐ | 1.3 - 1.9 |
| ☐ | 0.2 - 0.4 | ☐ | 2.0 - 5.2 |

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## Case Fatality Rate by Age Group

## Age-adjusted* Case Fatality Rate by Gender
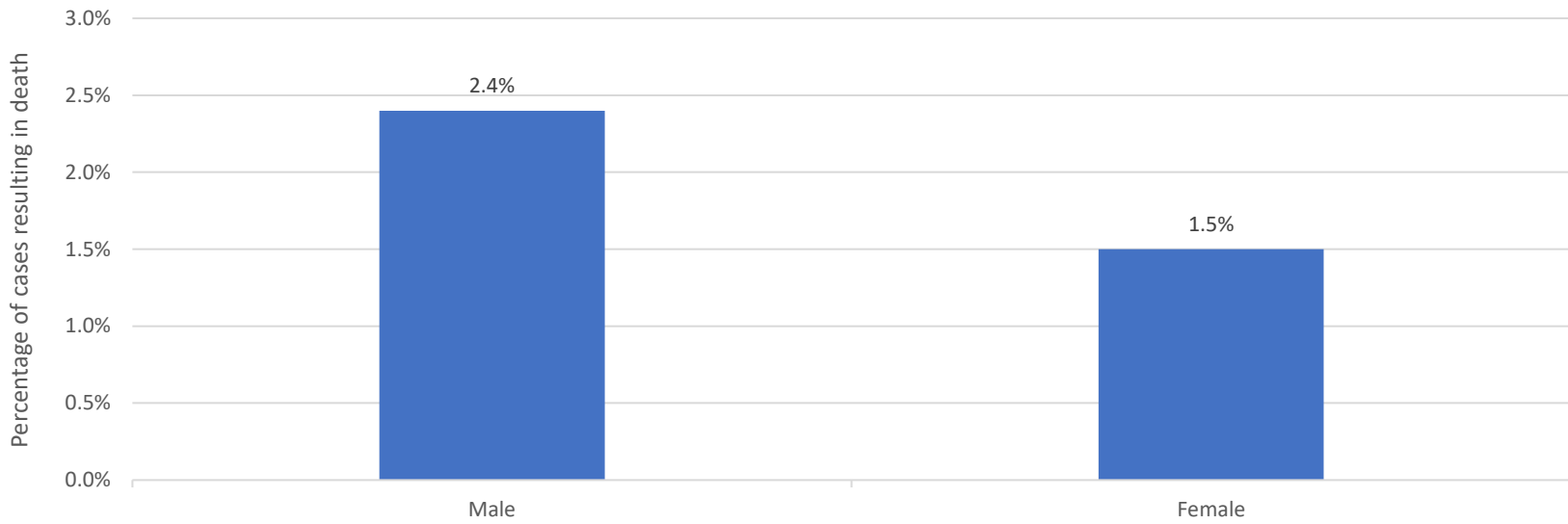
Percentage of cases resulting in death

- Male: 2.4%
- Female: 1.5%

## Age-adjusted* Case Fatality Rate by Race/Ethnicity

Percentage of cases resulting in death

- AI/AN: 2.6%
- Asian/PI: 1.9%
- Black/AfAm: 2.3%
- Hispanic: 2.5%
- White: 2.0%

# 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% | 0.8% | 1.5% | 2.4% | 4.8% | 9.0% | 14.9% | 25.2% |
| Hispanic | 0.0% | 0.0% | 0.1% | 0.3% | 0.8% | 1.9% | 4.0% | 9.1% | 17.2% | 26.0% |
| White | 0.0% | 0.0% | 0.0% | 0.2% | 0.5% | 1.2% | 2.9% | 6.2% | 14.6% | 21.6% |

Age Group (Years)
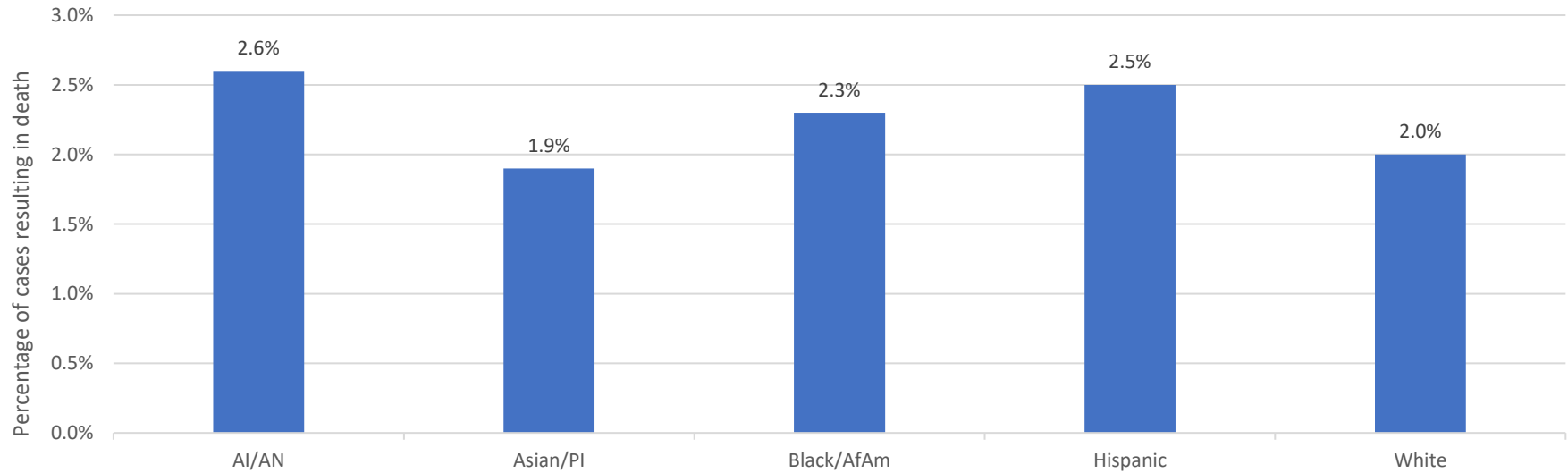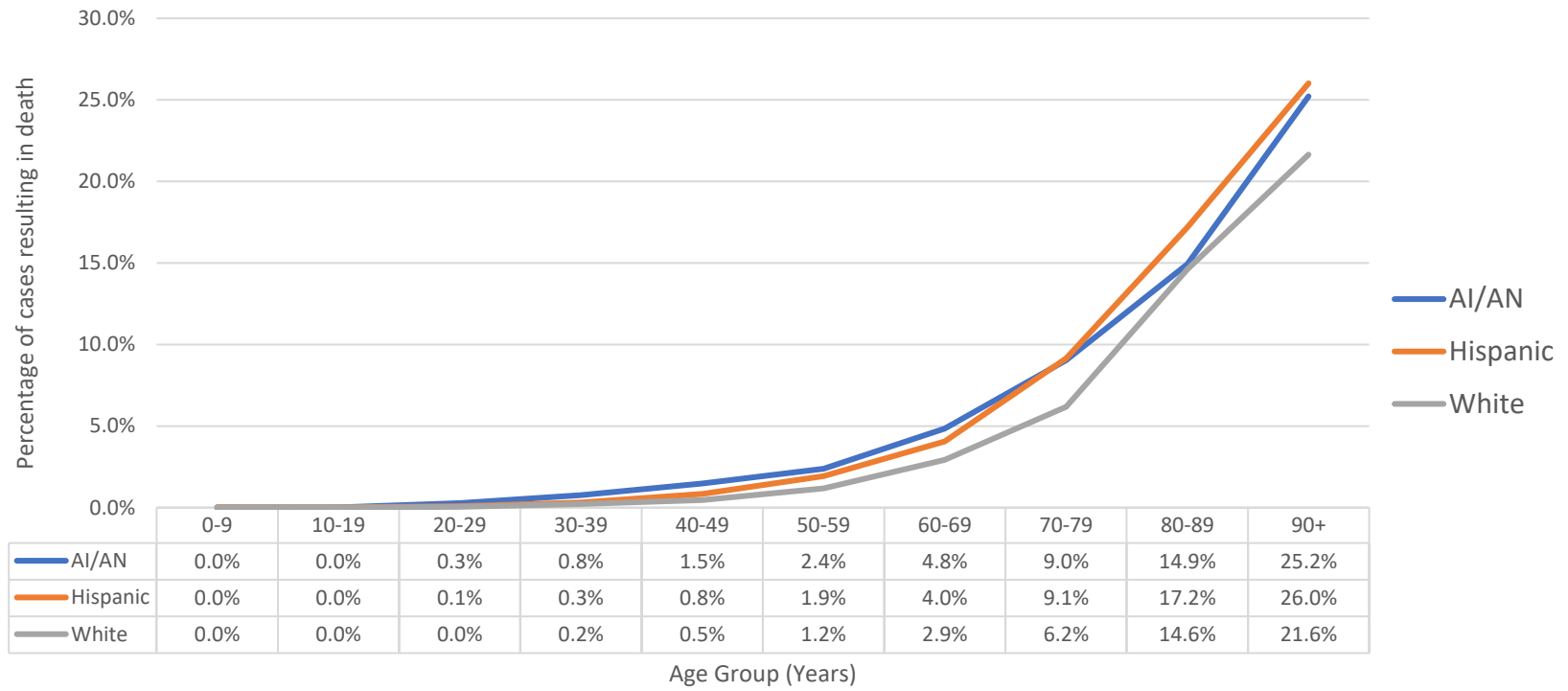
## Age-adjusted* Case Fatality Rate by Race/Ethnicity and Gender



Percentage of cases resulting in death

| | AI/AN | | Asian/PI | | Black/AfAm | | Hispanic | | White | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| | 3.5% | 2.0% | 2.3% | 1.6% | 2.8% | 1.8% | 3.2% | 2.0% | 2.4% | 1.6% |
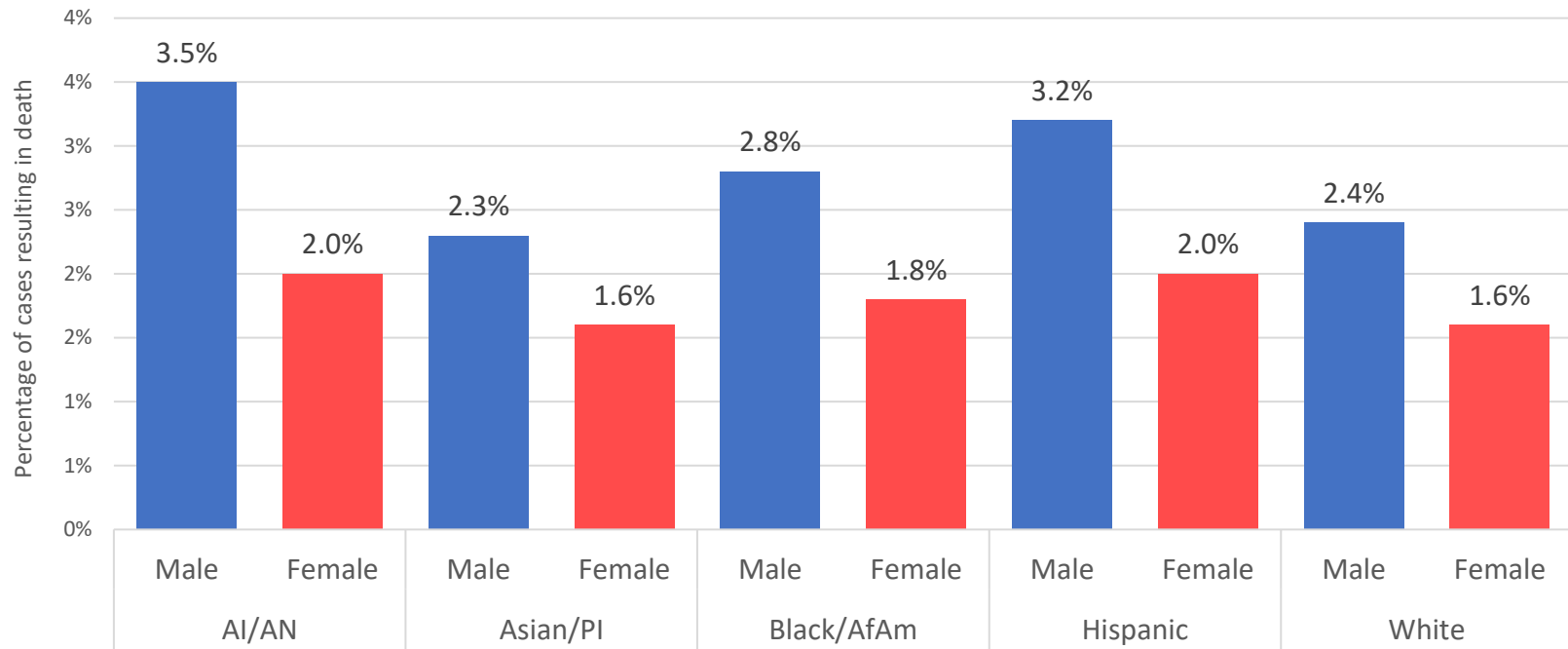
## Age-adjusted* Case Fatality Rate by Gender, Underlying Conditions, and Hospitalization Status



Percentage of cases resulting in death

**Not Hospitalized**

| Pre-existing Conditions | | No Pre-existing Conditions | |
|---|---|---|---|
| Male | Female | Male | Female |
| 2.2% | 1.4% | 0.2% | 0.1% |

**Hospitalized**

| Pre-existing Conditions | | No Pre-existing Conditions | |
|---|---|---|---|
| Male | Female | Male | Female |
| 16.6% | 12.3% | 3.1% | 1.6% |

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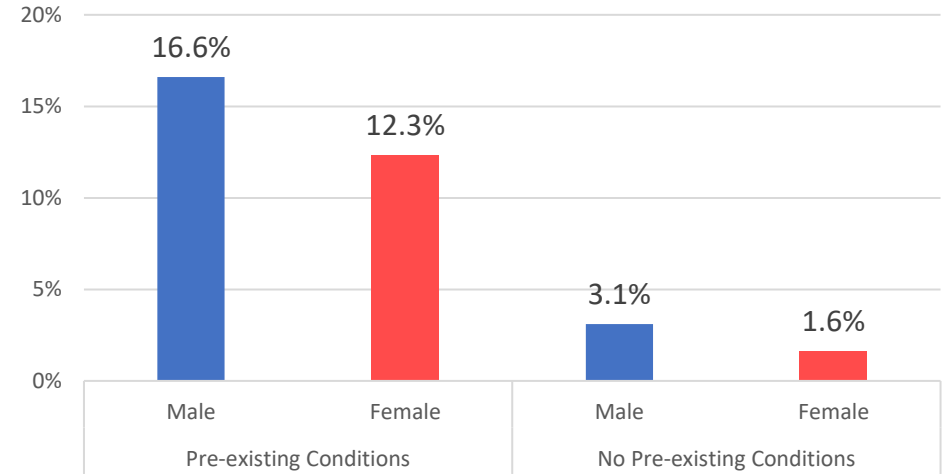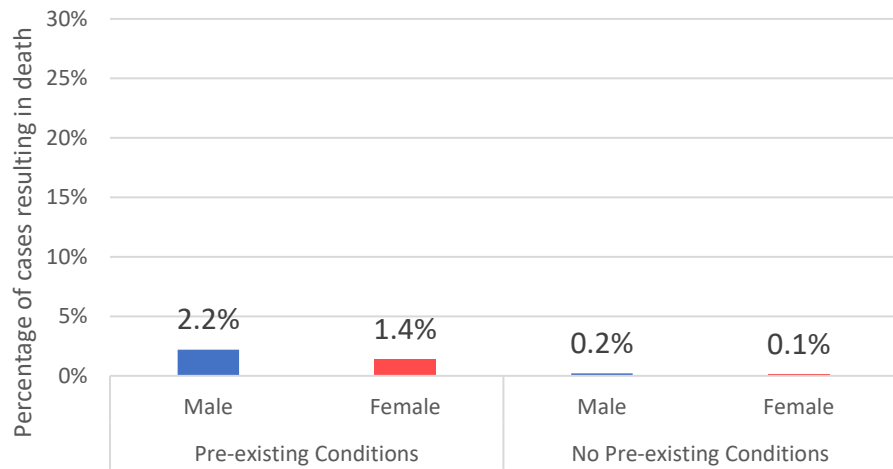
## Data Sources

- **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. Beginning January 1, 2022 deaths due to natural causes matched to a SARS-CoV-2 positive test result within 30 days of the date of death are included as COVID-19 related deaths even when COVID is not listed on the death certificate. From May 12, 2020 through February 9, 2021 12 COVID-19 deaths were reported publicly following notification of a COVID-related death from a facility to NMDOH before receipt of the death certificate. Because death reporting is based on death

certificates and we did not subsequently receive a death certificate associated with these individuals, we are removing these 12 deaths as of June 13, 2022, from the cumulative death count for COVID-19 deaths in NM.

- **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.

- **Adjustment to the baseline death count.** On 5/24/2021, NMDOH released the results of an audit of COVID-19 related deaths. The net result was the addition of 113 deaths based on death certification which included COVID-19 as cause of death.