

# Preliminary\* Data Summary: Ohio Suicide Deaths



\*2022 data is incomplete. Data presented through September 2022.

This preliminary data summary has been developed to provide recent trends in suicide deaths using preliminary 2022 vital statistics mortality data. Comparisons are made between preliminary 2022 data and finalized mortality data from 2012 to 2021. This summary will be updated quarterly as additional mortality data for 2022 is received. The previously published report, [Suicide Demographics and Trends, Ohio, 2020](#), provides more detailed information about finalized data.

## Data Notes

Coroners have six months to complete death investigations and report death certificates, after which there are additional steps that must be taken before data is considered final. Therefore, valid state vital statistics data indicating cause of death for 2022 deaths is incomplete, most notably for recent months.

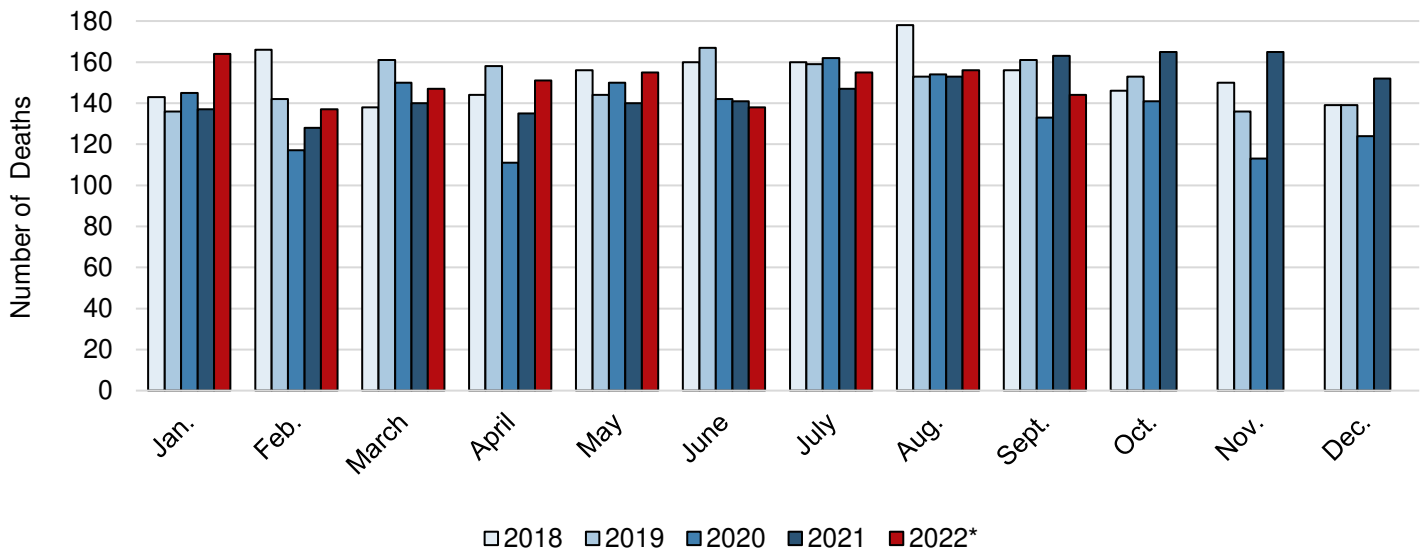
Mortality data in this summary comes from the Ohio Department of Health (ODH) Bureau of Vital Statistics. Analysis was conducted by the ODH Violence and Injury Epidemiology and Surveillance Section. Data presented below includes Ohio residents who died due to suicide (underlying cause of death International Classification of Diseases, Tenth Revision [ICD-10] codes X60-X84, Y87.0, \*U03). Suicide death rates presented for youth (ages 10-24) are age specific. Rates presented for total suicide deaths are age-adjusted to the 2000 U.S. standard population to allow a comparison of the overall risk of dying between different populations.

\*2022 preliminary data was updated on April 4, 2023.

## Suicide

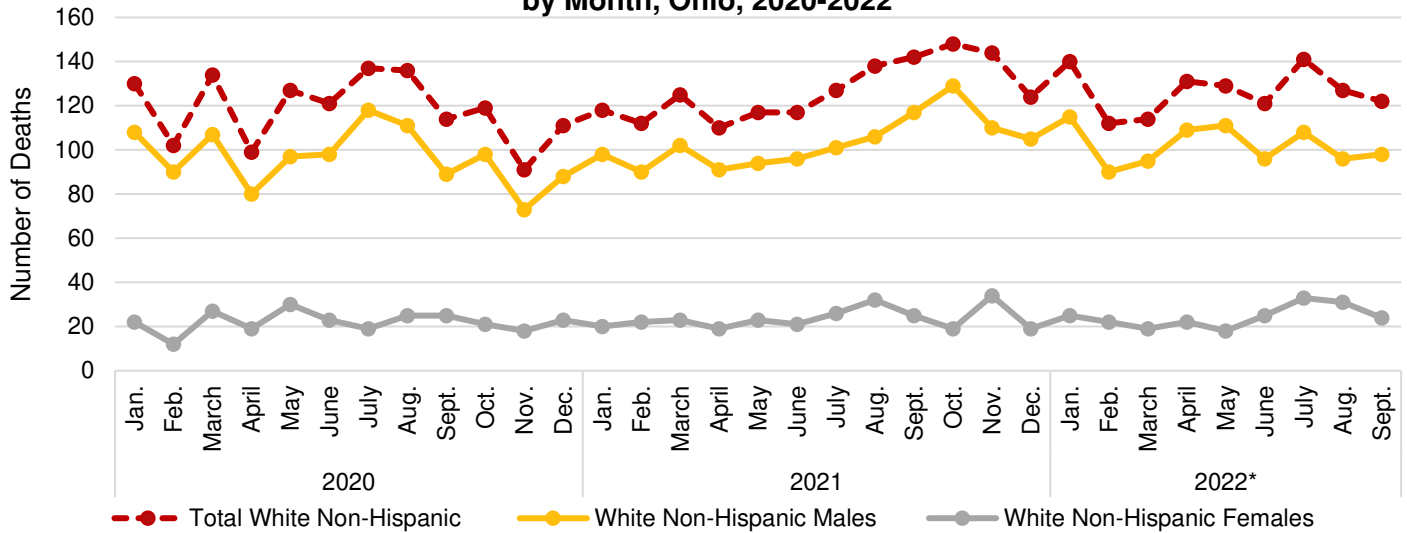
### Monthly Trends

Figure 1. Number of Suicide Deaths by Month and Year, Ohio, 2018-2022\*

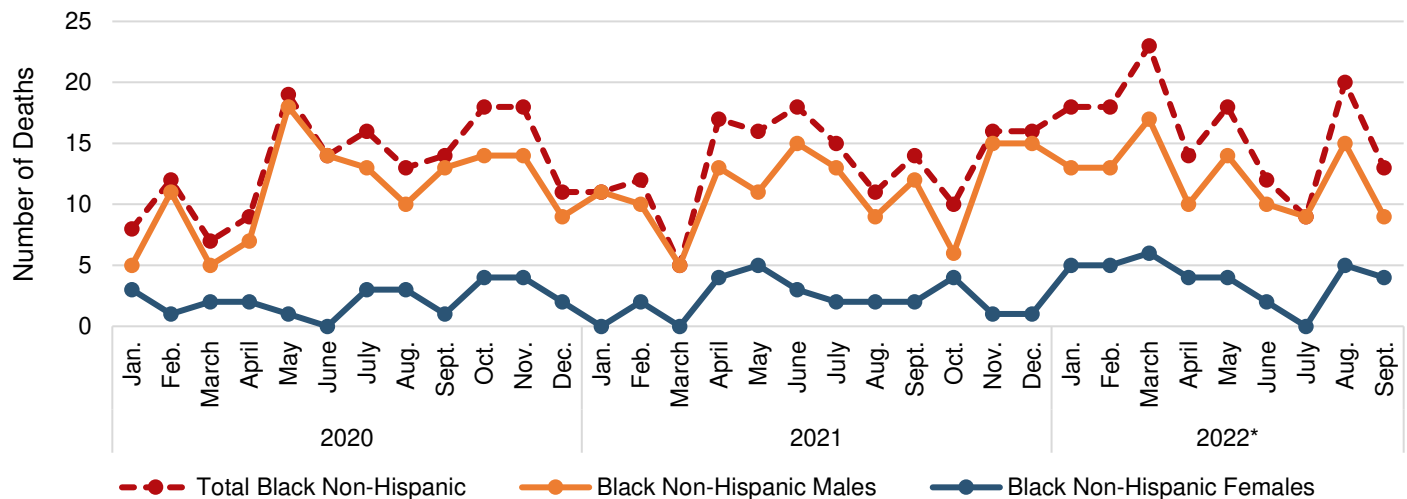


- The figure above shows the number of suicide deaths by month and year and illustrates how suicide deaths fluctuate from month to month.
- When comparing deaths per month by year, September (163 deaths), October (165 deaths), November (165 deaths), and December (152 deaths) were the months for which 2021 had the highest number of deaths. In 2022, suicide deaths were higher in January (164 deaths) than any previous year shown.

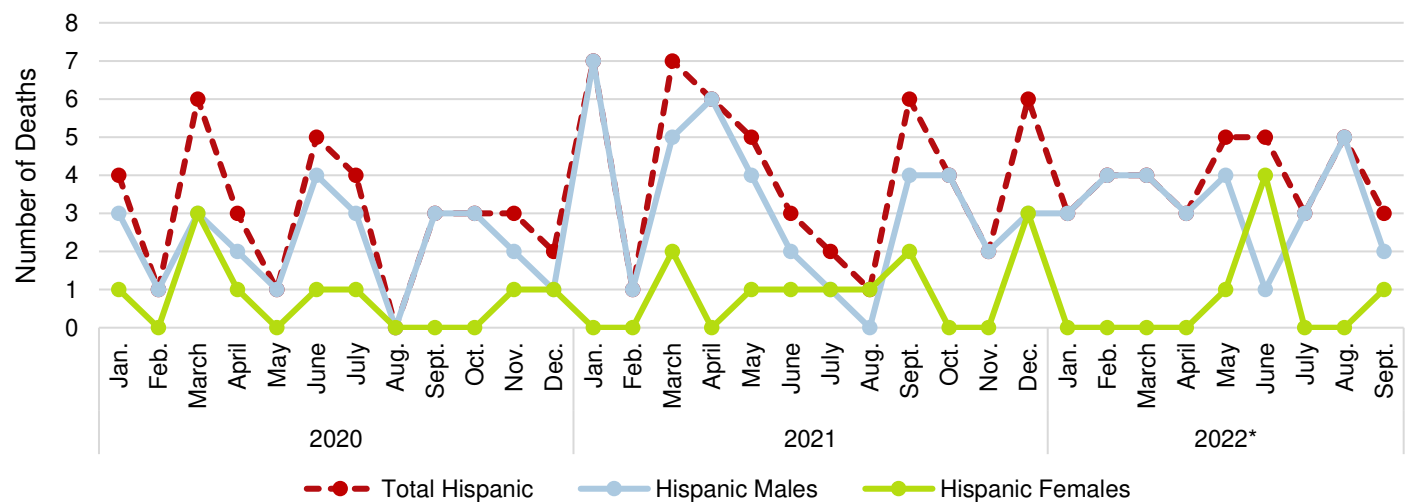
**Figure 2. Number of Suicide Deaths Among the White non-Hispanic Population by Month, Ohio, 2020-2022\***



**Figure 3. Number of Suicide Deaths Among the Black non-Hispanic Population by Month, Ohio, 2020-2022\***

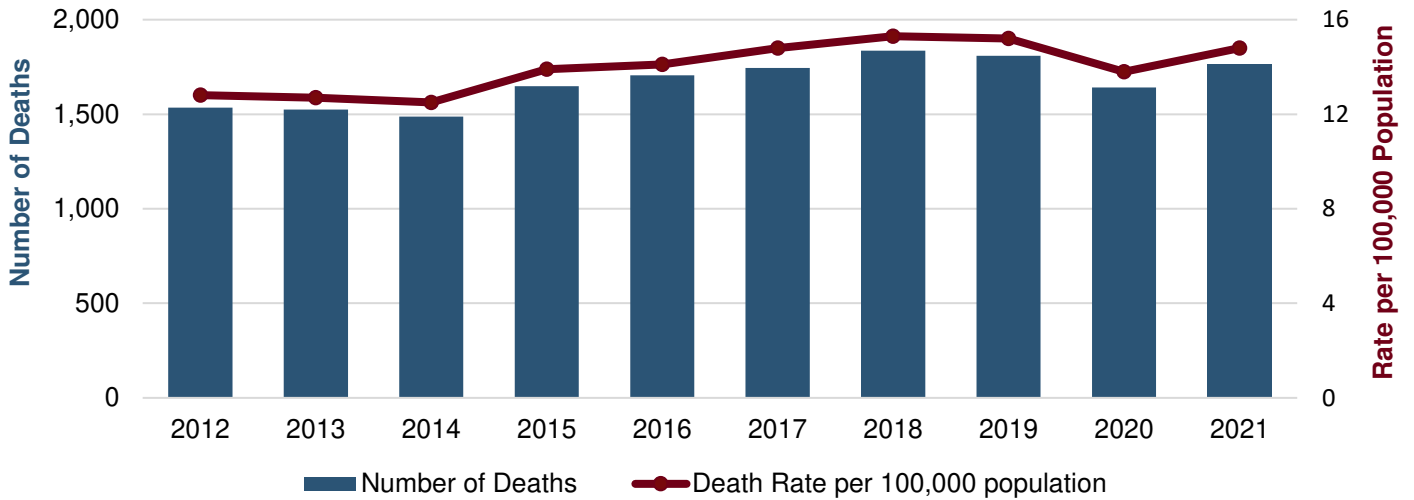


**Figure 4. Number of Suicide Deaths Among the Hispanic Population by Month, Ohio, 2020-2022\***



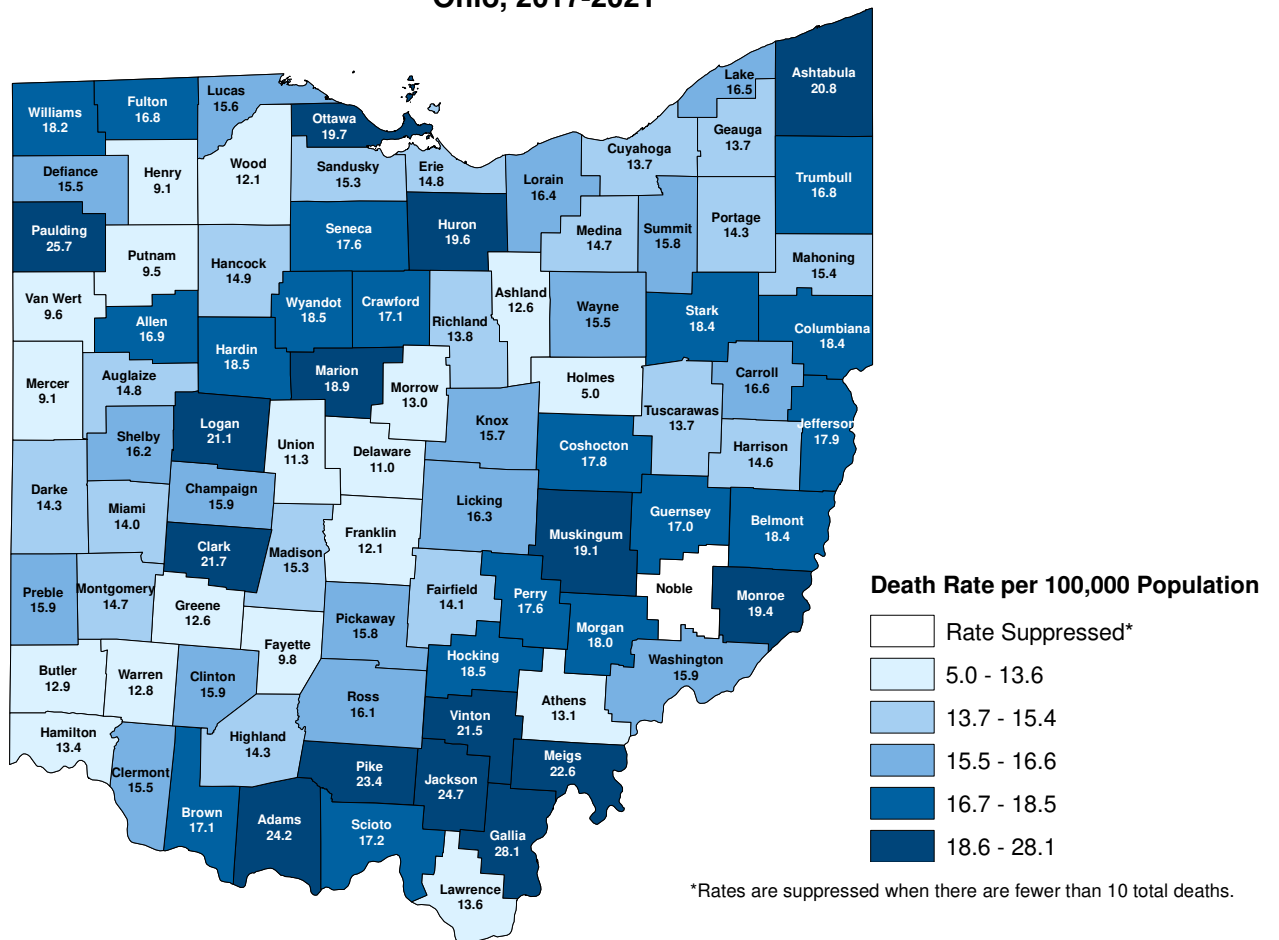
## Annual Trends

**Figure 5. Number and Age-Adjusted Rate of Suicide Deaths by Year, Ohio, 2012-2021**



- In 2021, 1,766 Ohioans died by suicide. This was an 8% increase over 2020.

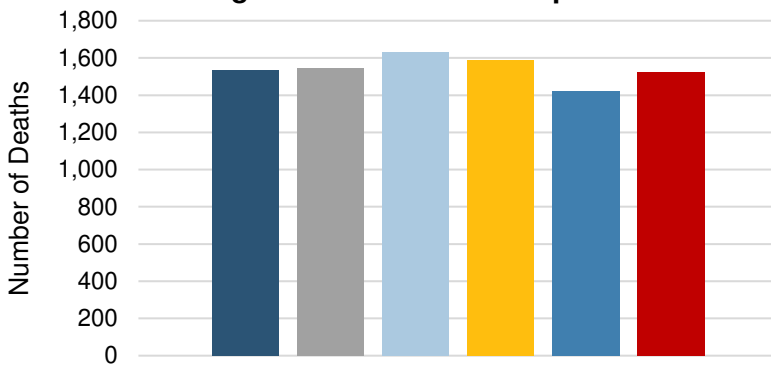
**Figure 6. Average Age-Adjusted Rate of Suicide Deaths by County, Ohio, 2017-2021**



**Figure 7. Number of Suicide Deaths by Race/Ethnicity, Ohio, 2016-2021**

■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021

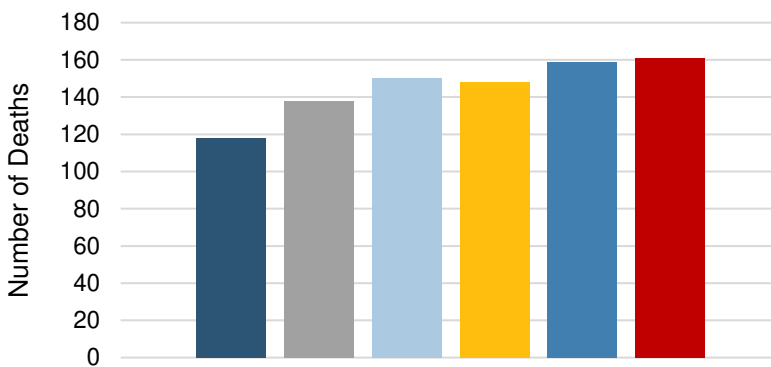
**Figure 7a. White Non-Hispanic**



**White Non-Hispanic:**

- Suicide deaths among the white non-Hispanic population were highest in 2018 (1,632 deaths) and made up 89% of all Ohio suicide deaths that year.
- In 2021, there were 1,522 deaths among white non-Hispanic Ohioans, which was a 7% increase from 2020.

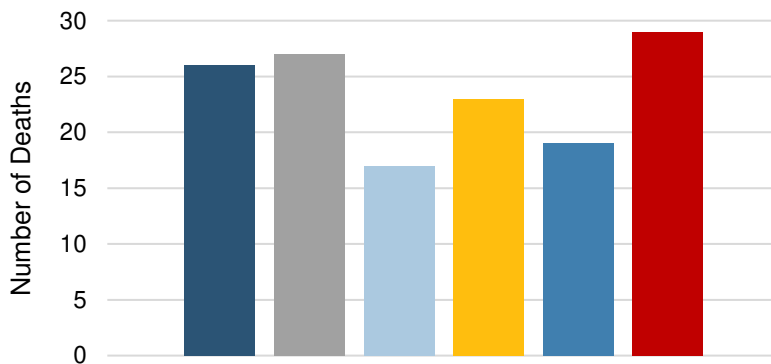
**Figure 7b. Black Non-Hispanic**



**Black Non-Hispanic:**

- Suicide deaths among the Black non-Hispanic population were highest in 2021 (161 deaths) and made up 9% of all Ohio suicide deaths.
- The Black non-Hispanic population was the only reported race/ethnicity group for which suicide deaths increased from 2019 to 2020.
- From 2020 to 2021, suicide deaths among Black non-Hispanic Ohioans increased from 159 deaths to 161 deaths.

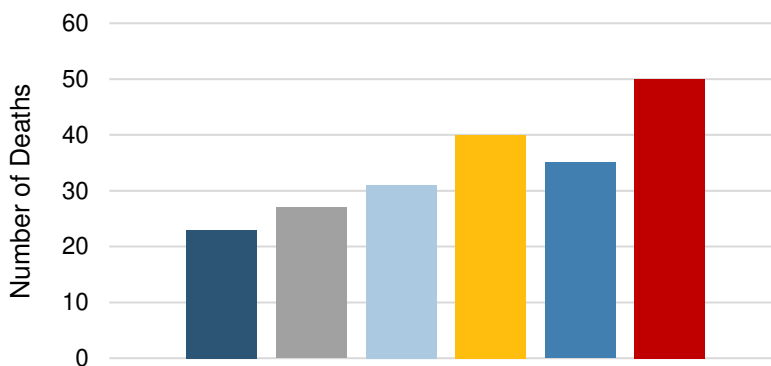
**Figure 7c. Asian/Pacific Islander Non-Hispanic**



**Asian/Pacific Islander Non-Hispanic:**

- Suicide deaths among the Asian/Pacific Islander non-Hispanic population were highest in 2021 (29 deaths) and made up 2% of all Ohio suicide deaths.
- From 2020 to 2021, suicide deaths among Asian/Pacific Islander non-Hispanic Ohioans increased 53%.

**Figure 7d. Hispanic**



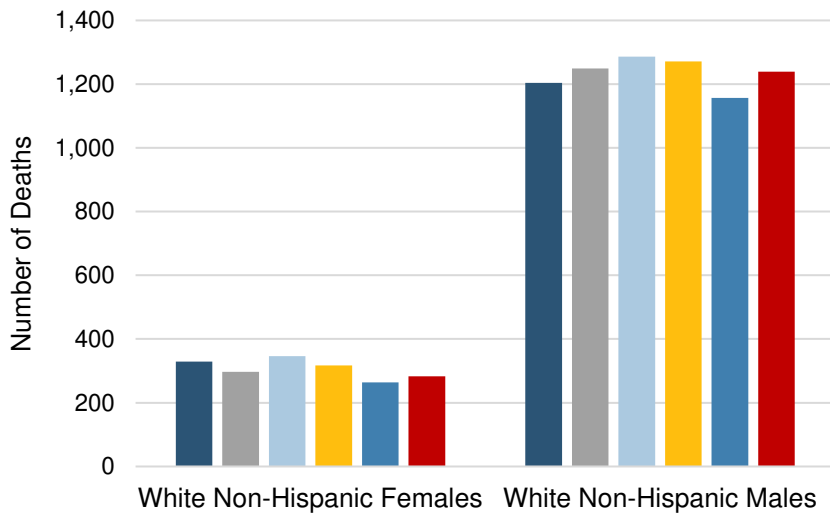
**Hispanic:**

- Suicide deaths among the Hispanic population were highest in 2021 (50 deaths) and made up 3% of all Ohio suicide deaths.
- From 2020 to 2021, suicide deaths among Hispanic Ohioans increased 43%.

**Figure 8. Number of Suicide Deaths by Sex and Race/Ethnicity, Ohio, 2016-2021**

■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021

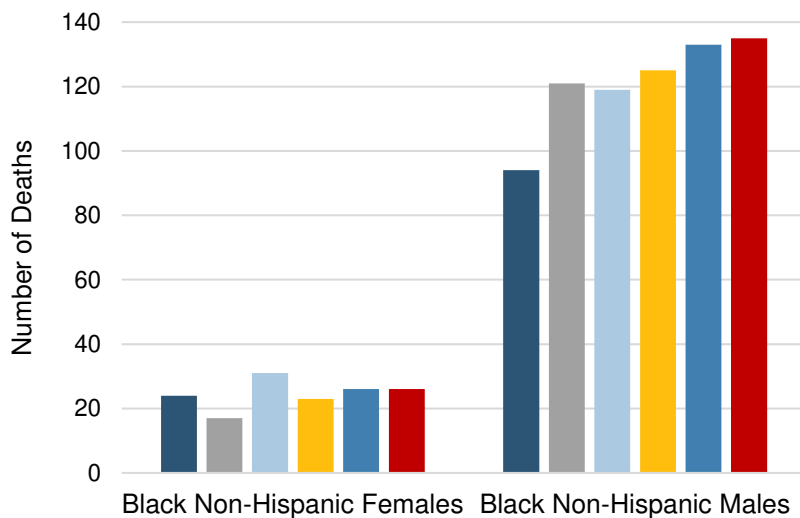
**Figure 8a. White Non-Hispanic Males and Females**



**White Non-Hispanic Males and Females:**

- Suicide deaths among white non-Hispanic males and females were highest in 2018 (1,286 and 346 deaths, respectively).
- From 2020 to 2021, suicide deaths among white non-Hispanic males and females both increased 7%, respectively.

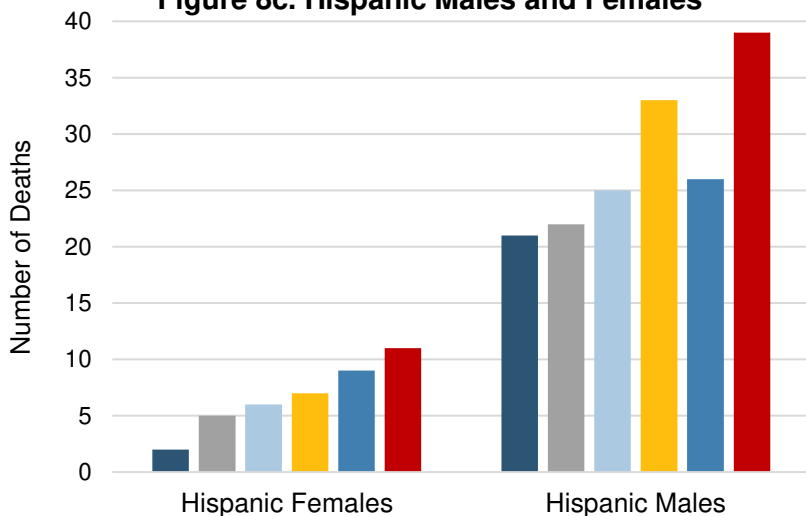
**Figure 8b. Black Non-Hispanic Males and Females**



**Black Non-Hispanic Males and Females:**

- Suicide deaths among Black non-Hispanic females were highest in 2018 (31 deaths), while suicide deaths among males were highest in 2021 (135 deaths).
- From 2020 to 2021, suicide deaths among Black non-Hispanic males increased from 133 deaths to 135 deaths (1.5%). Suicide deaths among Black non-Hispanic females did not change (26 deaths).

**Figure 8c. Hispanic Males and Females**



**Hispanic Males and Females:**

- Suicide deaths among Hispanic males were highest in 2021 (39 deaths) and increased by 50% from 2020 to 2021.
- Suicide deaths among Hispanic females have been steadily increasing from 2016 to 2021. From 2020 to 2021, deaths among Hispanic females increased from nine to 11 deaths (22% increase).

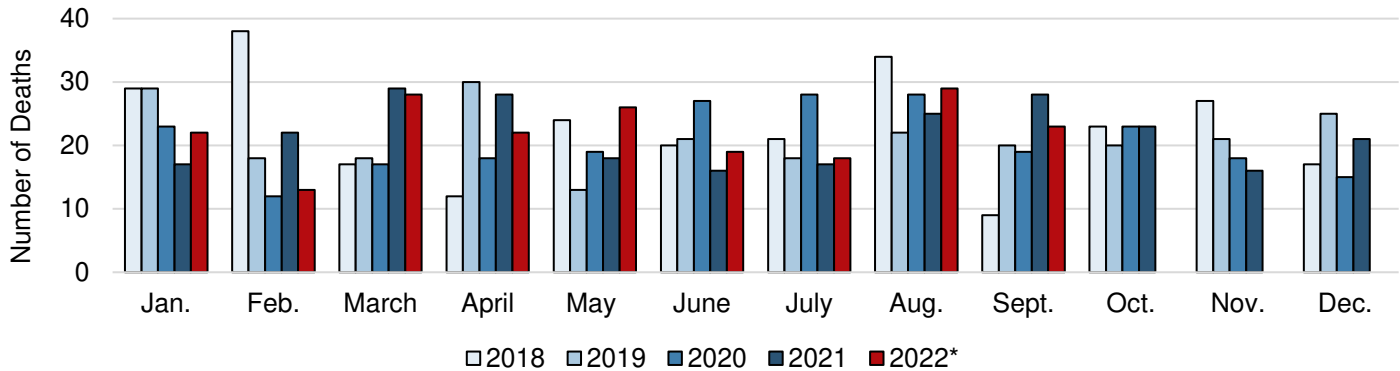
**Table 1. Demographic Summary of Suicide Deaths, Ohio, 2016-2021**

<b>Demographics</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Age</b>						
5-9	0	2	0	1	0	0
10-19	90	123	132	118	90	100
20-24	125	146	139	137	157	160
25-34	302	296	295	305	300	336
35-44	251	301	297	304	254	291
45-54	305	308	298	303	270	261
55-64	327	268	342	297	245	277
65+	306	300	333	344	326	341
<b>Sex</b>						
Female	365	328	387	352	306	329
Male	1,341	1,416	1,449	1,457	1,336	1,437
<b>Race/Ethnicity</b>						
American Indian/Alaskan Native Non-Hispanic	3	0	1	2	3	1
Asian/Pacific Islander Non-Hispanic	26	27	17	23	19	29
Black Non-Hispanic	118	138	150	148	159	161
White Non-Hispanic	1,533	1,546	1,632	1,588	1,421	1,522
Hispanic	23	27	31	40	35	50
<b>Race/Ethnicity and Sex</b>						
Black Non-Hispanic Females	24	17	31	23	26	26
Black Non-Hispanic Males	94	121	119	125	133	135
White Non-Hispanic Females	329	297	346	317	264	283
White Non-Hispanic Males	1,204	1,249	1,286	1,271	1,157	1,239
Hispanic Females	2	5	6	7	9	11
Hispanic Males	21	22	25	33	26	39
<b>Total</b>	<b>1,706</b>	<b>1,744</b>	<b>1,836</b>	<b>1,809</b>	<b>1,642</b>	<b>1,766</b>

## Youth Suicide

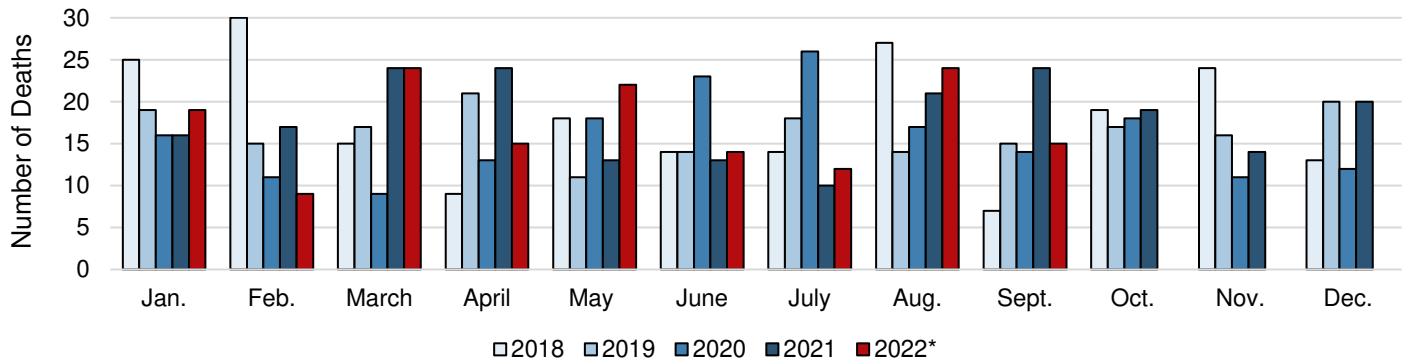
### Monthly Trends – Youth (10-24 Years)

**Figure 9. Number of Suicide Deaths Among Youth (Ages 10-24) by Month and Year, Ohio, 2018-2022\***

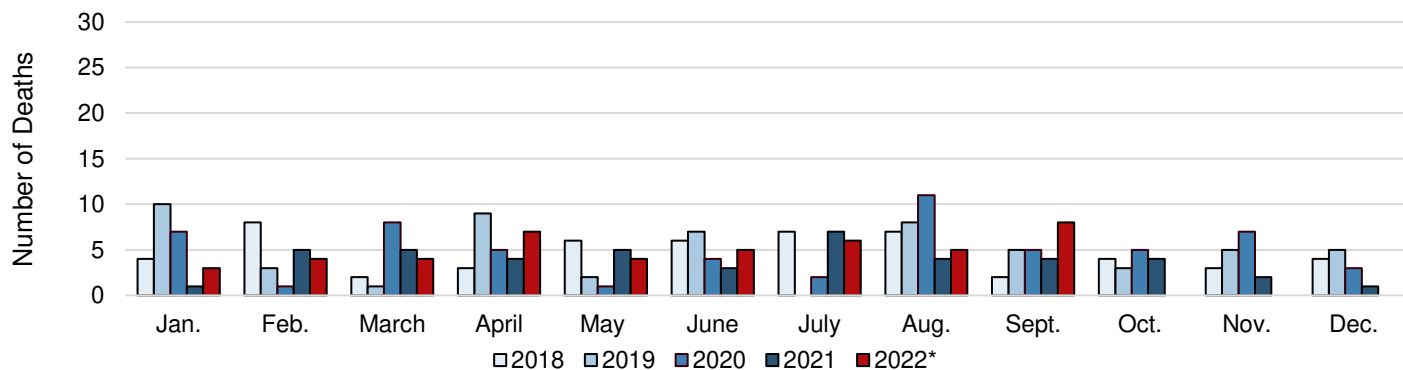


- The figure above shows the number of suicide deaths among youth (10-24 years) by month and year. It also illustrates how suicide deaths fluctuate from month to month.
- When comparing deaths per month by year, March and September were the only months for which 2021 had the highest number of deaths. May was the only month for which 2022 had the highest number of deaths.

**Figure 10. Number of Suicide Deaths Among Male Youth (Ages 10-24) by Month and Year, Ohio, 2018-2022\***

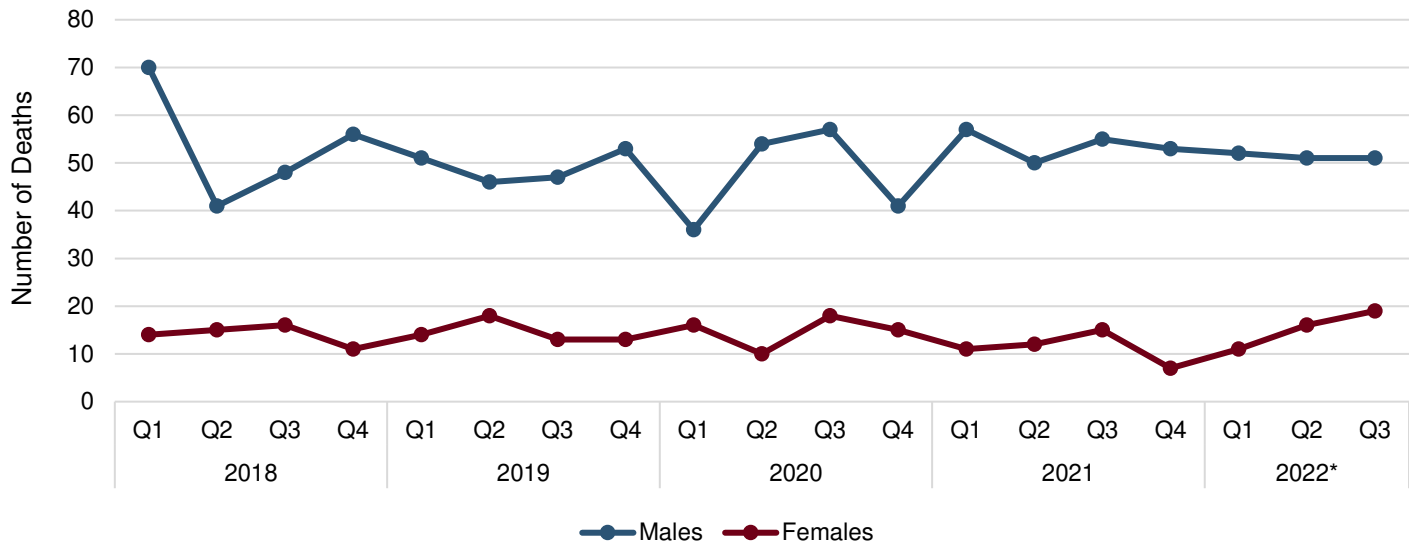


**Figure 11. Number of Suicide Deaths Among Female Youth (Ages 10-24) by Month and Year, Ohio, 2018-2022\***

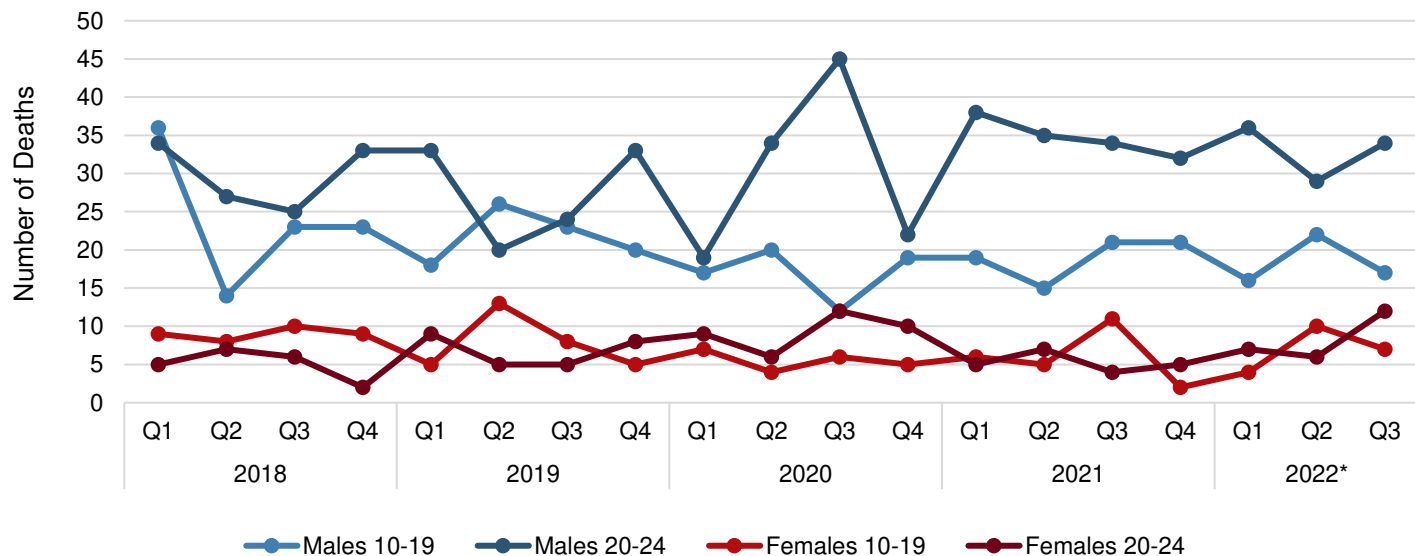


## Quarterly Trends – Youth (10-24 Years)

**Figure 12. Number of Suicide Deaths Among Youth (Ages 10-24) by Sex and Quarter, Ohio, 2018-2022\***



**Figure 13. Number of Suicide Deaths Among Youth (Ages 10-24) by Sex/Age Group and Quarter, Ohio, 2018-2022\***

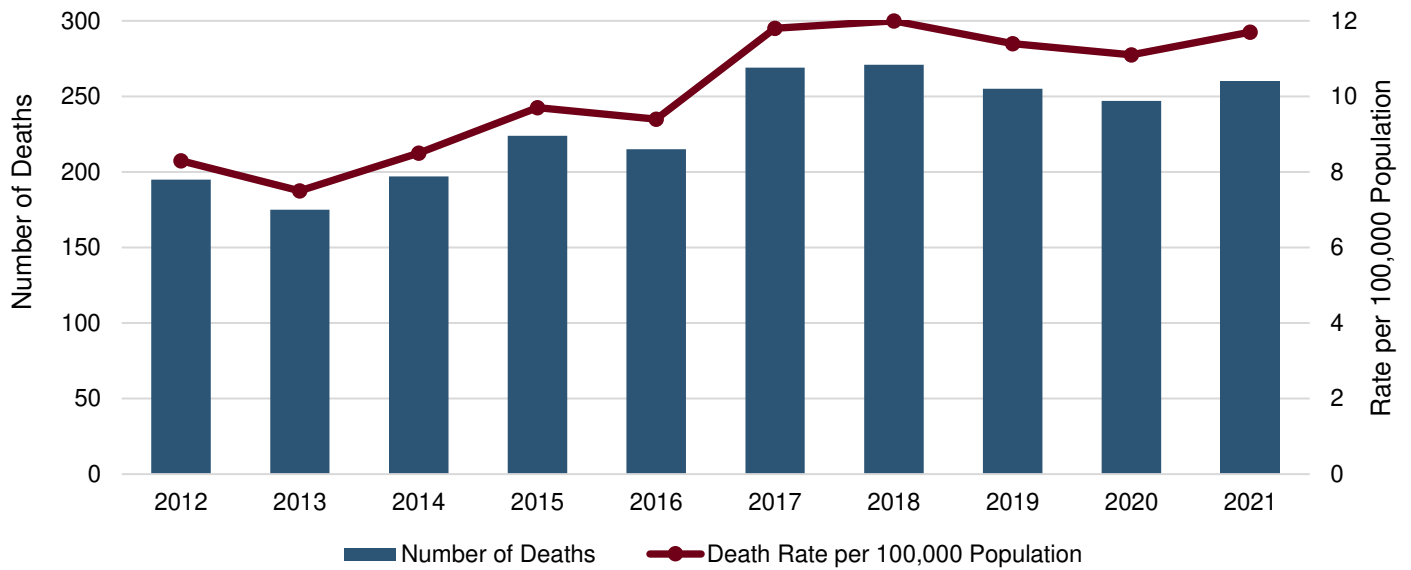


- At 70 deaths, Q1 2018 had the highest number of suicide deaths among youth males, based on mortality data available in the Ohio Public Health Information Warehouse, which dates to 2007. This increase was driven by males 10-19 years of age.
- Suicide deaths among males 20-24 years of age increased 137% from Q1 2020 to Q3 of 2020, from 19 deaths to a high of 45 deaths.
- At 12 deaths each, Q3 of 2020 and 2022 had the highest number of suicide deaths among females 20-24 years of age in the time period shown.
- While suicide deaths among male youth have decreased overall since Q3 2021, deaths among female youth have increased 171% from Q4 2021 to Q3 2022, from seven deaths to a high of 19 deaths.



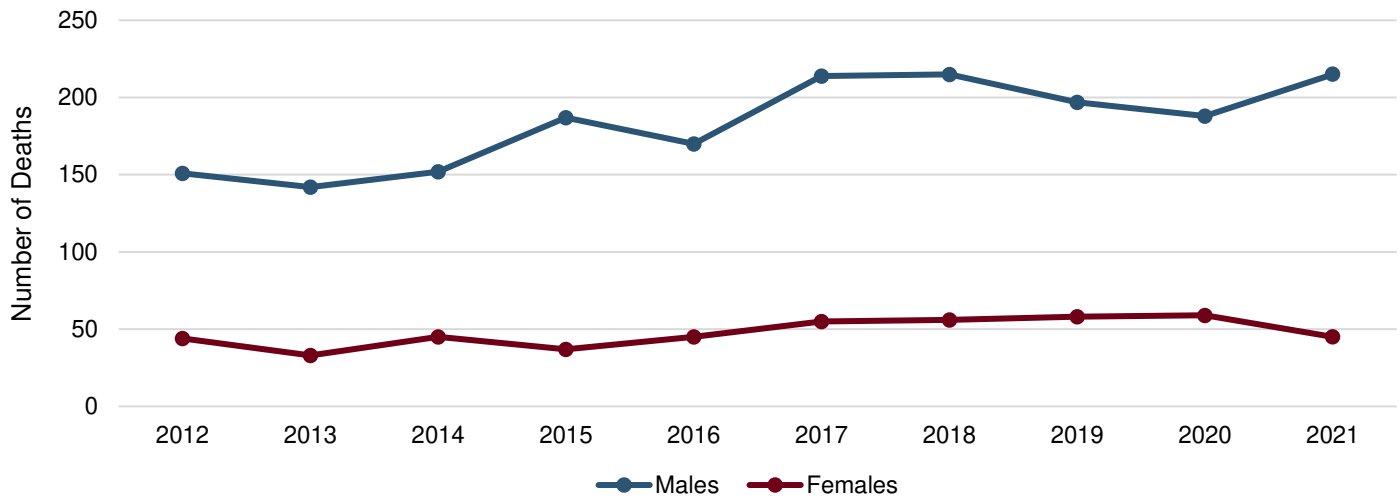
## Annual Trends – Youth (10-24 Years)

Figure 14. Number and Rate of Suicide Deaths Among Youth (Ages 10-24) by Year, Ohio, 2011-2021



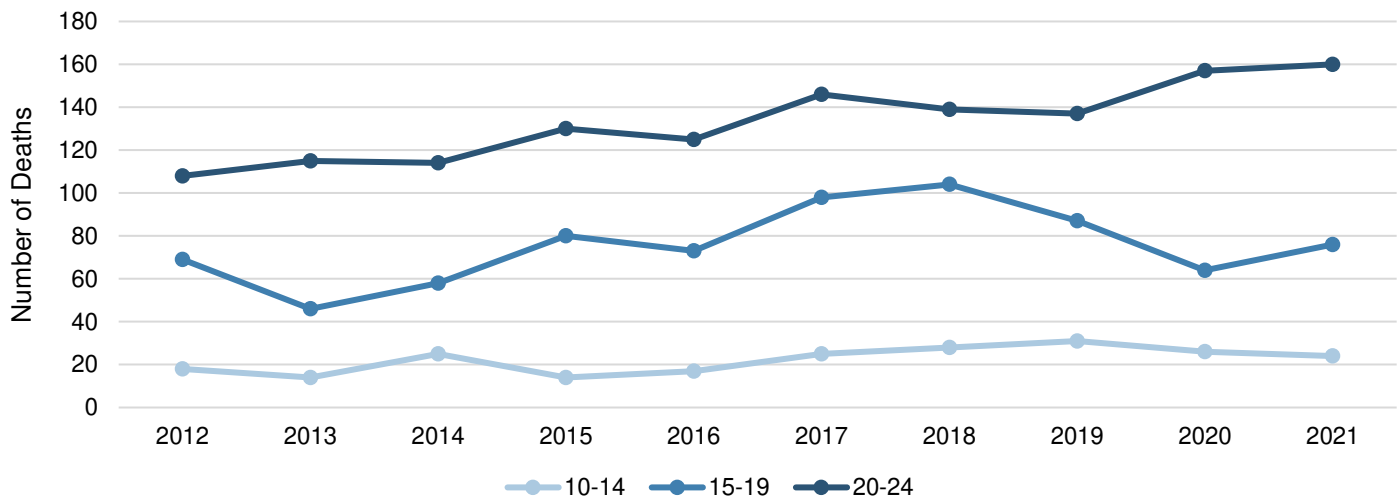
- In 2021, 260 Ohioans 10-24 years of age died by suicide. This was a 5% increase over 2020.

**Figure 15. Number of Suicide Deaths Among Youth (Ages 10-24) by Sex and Year, Ohio, 2012-2021**



- On average, from 2012 to 2021, the number of suicide deaths among male youth (ages 10-24) was nearly four times the number of deaths among their female counterparts. From 2020 to 2021, suicide deaths among male youth increased 14% while deaths among female youth decreased 24%.

**Figure 16. Number of Suicides Among Youth (Ages 10-24) by Age and Year, Ohio, 2012-2021**



- On average, from 2012 to 2021, Ohioans 20-24 years of age have accounted for 58% of all suicide deaths among youth (ages 10-24).
- From 2020 to 2021, suicide deaths among youth:
  - Increased 2% among those 20-24 years of age (from 157 to 160 deaths).
  - Increased 19% among those 15-19 years of age (from 64 to 76 deaths).
  - Decreased 8% among those 10-14 years of age (from 26 to 24 deaths).