



2022 Ohio Suicide Report

FAST FACTS

- In 2022, 1,797 Ohioans died by suicide, a 2% increase over 2021, compared with a national increase of 3%.¹
- From 2021 to 2022, Black non-Hispanic females and males had the largest increases in the rate of suicide deaths (56% and 9%, respectively).
- In 2022, Ohioans ages 35-44 years had the highest rate of suicide deaths.
- Among males in 2022, those aged 75 years and older had the highest rate of suicide deaths.
- Among females in 2022, those aged 25-34 years had the highest number and rate of suicide.
- In 2022, firearms accounted for over half of all suicide deaths.

1. Source: National Center for Health Statistics, Provisional Multiple Cause of Death Data on CDC WONDER <https://wonder.cdc.gov/mcd.html> (Accessed Nov. 28, 2023)

RESOURCES

988
SUICIDE
& CRISIS
LIFELINE

- Crisis Text Line
Text "4HOPE" to 741741

Suicide Deaths in Ohio

- Suicide was the second-leading cause of death among Ohioans ages 10-14 and 20-34 and the 13th-leading cause of death in Ohio overall.
- In 2022, there were 1,797 suicide deaths with an age-adjusted rate of 15 deaths per 100,000 population. This was a 2% increase over 2021 (1,766 deaths).

Figure 1. Number and Age-Adjusted Rate of Suicide Deaths by Year, Ohio, 2013-2022**

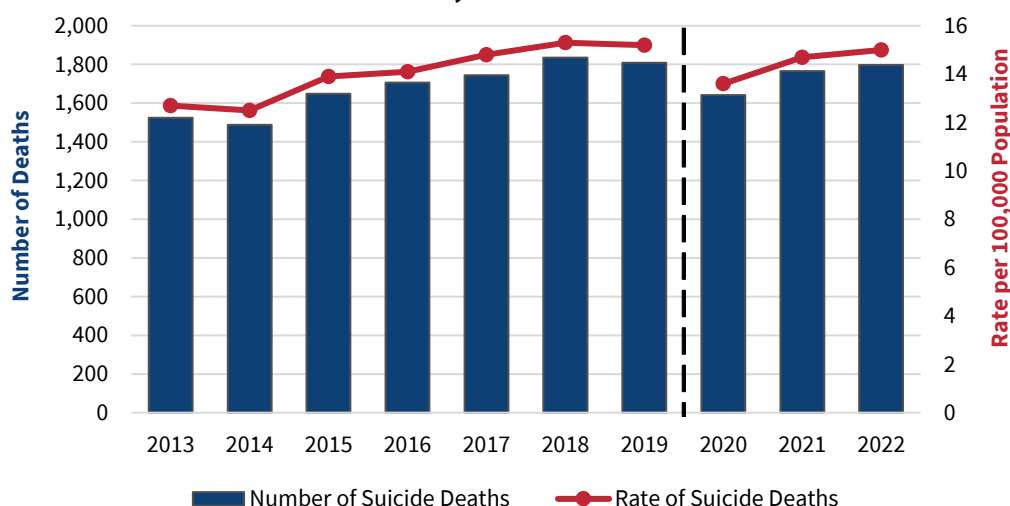
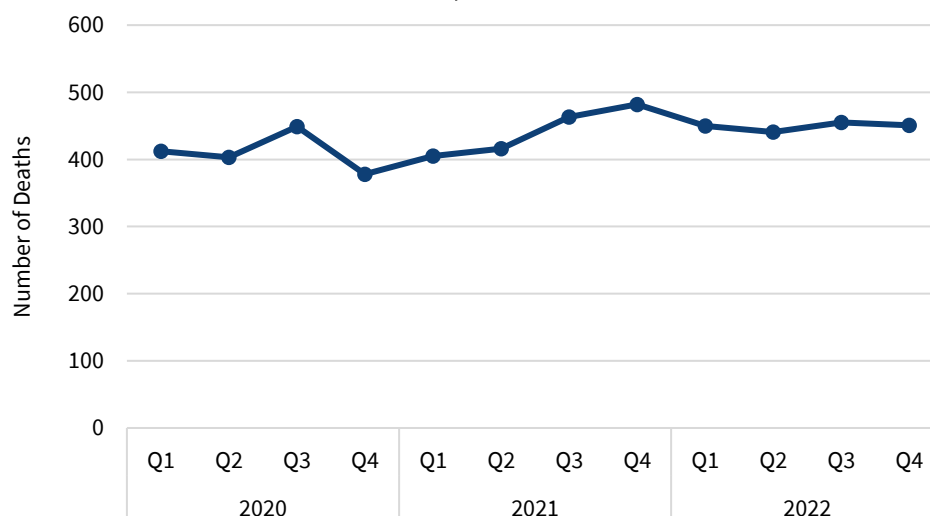


Figure 2. Number of Suicide Deaths by Quarter, Ohio, 2020-2022



- The number of suicide deaths increased each quarter in 2021.
- In 2022, the number of suicide deaths by quarter remained relatively steady, ranging from 441 to 455 deaths per quarter.

****At the time of this report, population files from the federal government reflecting new national standards and methodologies were available for 2020 through 2022 only. Because of this change, the Ohio Department of Health (ODH) advises caution in comparing these rates to those from years prior to 2020, as indicated by the segmented line in the graphic.**

Source: ODH Bureau of Vital Statistics. Analysis: ODH Violence and Injury Epidemiology and Surveillance Section (VIESS). 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. *Rates are suppressed when there are fewer than 10 total deaths.

Mechanism

- From 2021 to 2022:
 - The number of suicide deaths by firearm increased 6%, from 991 to 1,046 deaths.
 - The number of suicide deaths by suffocation (e.g., hanging) decreased 2%, from 449 to 438 deaths.
 - The number of suicide deaths by drug poisoning decreased 5%, from 164 to 156 deaths.

Figure 3. Number of Suicide Deaths by Mechanism, Ohio, 2013-2022

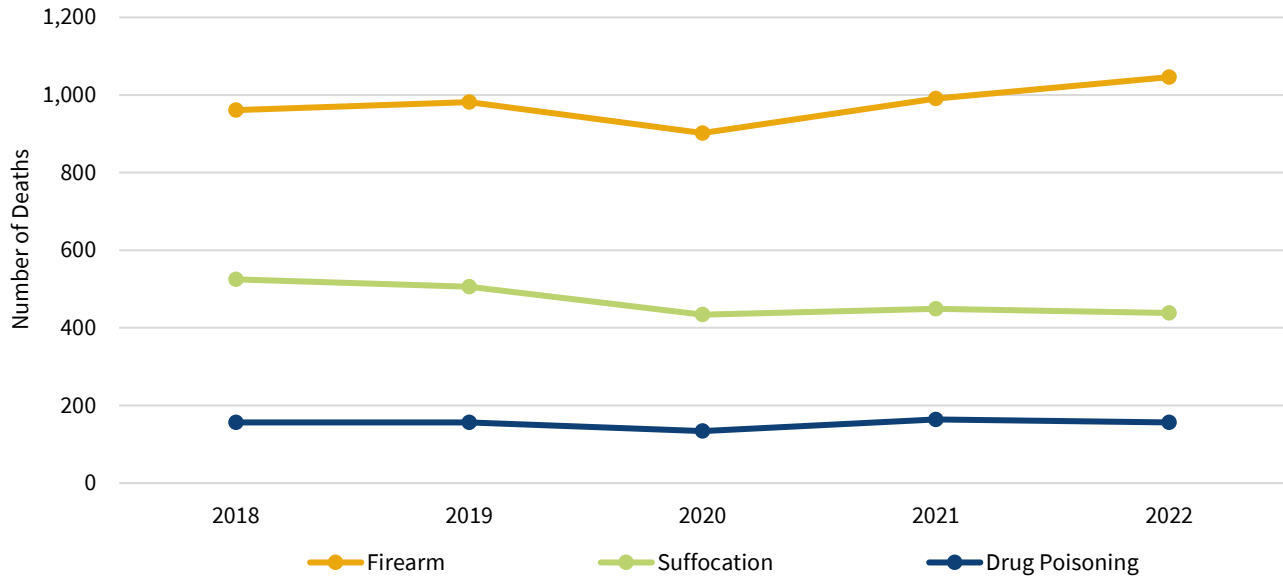
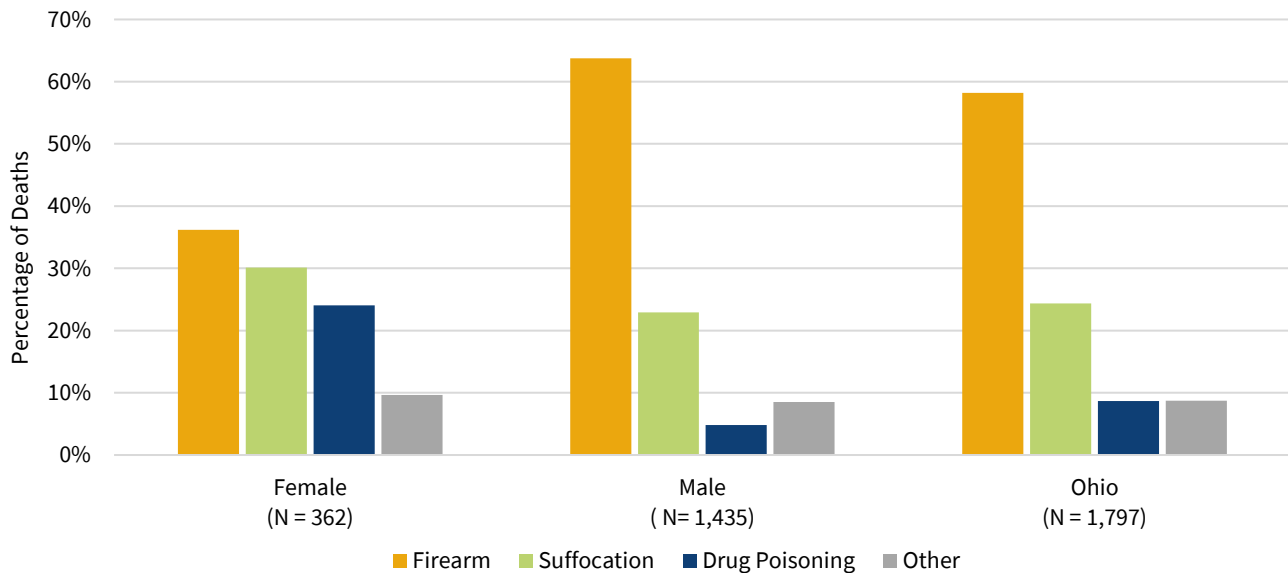


Figure 4. Percentage of Suicide Deaths by Mechanism and Sex, Ohio, 2022



- In 2022, firearm was the leading mechanism of suicide deaths among both females and males; however, the percentage of suicide deaths by firearm was notably higher among males (64%) compared with females (36%).
- In contrast, suicide by drug poisoning accounted for a higher percentage of suicide deaths among females (24%) compared with males (5%) in 2022.

Mechanism

- In 2022:

- The percentage of suicide deaths by firearms tended to increase with age. Those aged 65 and older had the highest percentage of firearm involved suicide deaths (76%).
- The percentage of suicide deaths by suffocation tended to decrease with age. Those aged 25-34 had the highest percentage of suffocation involved suicide deaths (32%).
- The percentage of suicide deaths by drug overdose peaked at the ages of 45-54 (13%).

Figure 5. Percentage of Suicide Deaths by Mechanism and Age, Ohio, 2022

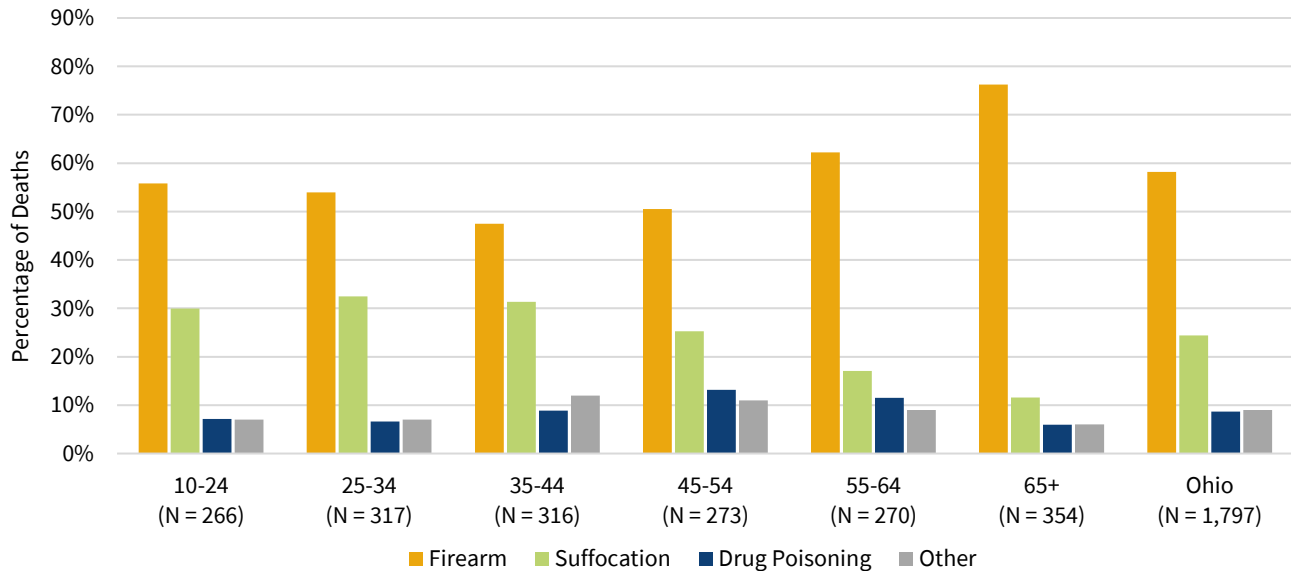
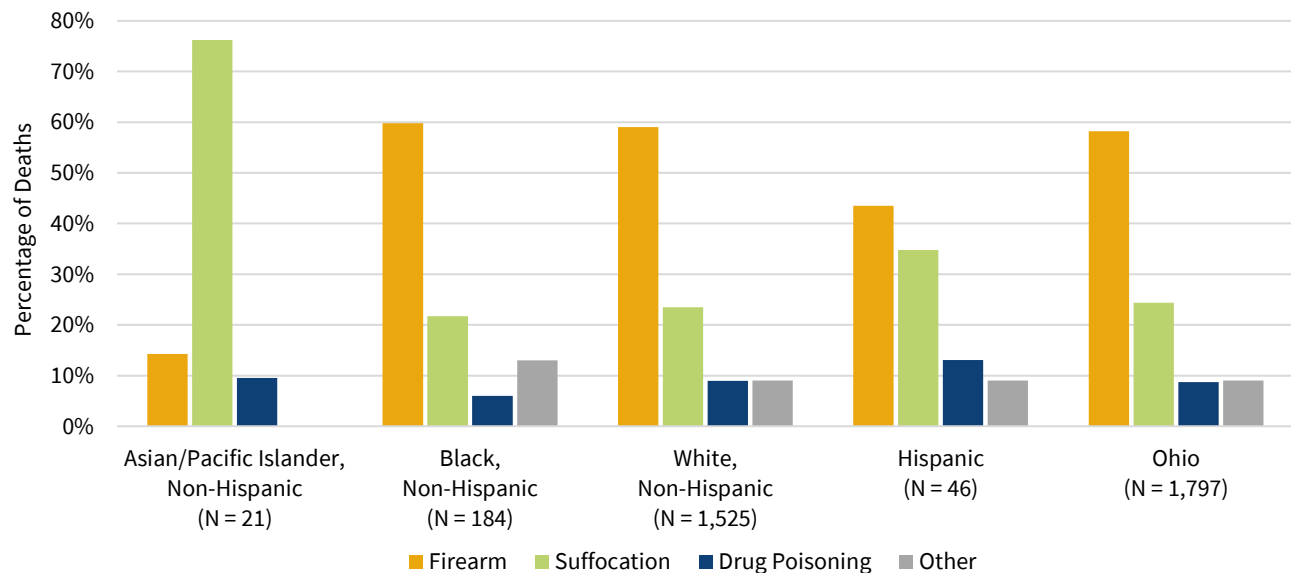


Figure 6. Percentage of Suicide Deaths by Mechanism and Race/Ethnicity, Ohio, 2022**



- In 2022:

- The percentage of suicide deaths by firearm was highest among the Black non-Hispanic population (60%), followed closely by the White non-Hispanic population (59%).
- The percentage of suicide deaths by suffocation was highest among the Asian/Pacific Islander, non-Hispanic population (76%).
- The percentage of deaths by drug poisoning was highest among the Hispanic population (13%).

Mechanism Summaries

Table 1. Number and Percentage of Suicide Deaths by Mechanism, Ohio, 2018-2022

Mechanism	2018		2019		2020		2021		2022	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Firearm	961	52%	982	54%	902	55%	991	56%	1,046	58%
Suffocation	525	29%	506	28%	434	26%	449	25%	438	24%
Drug Poisoning	156	8%	156	9%	134	8%	164	9%	156	9%
Other	194	11%	165	9%	172	10%	162	9%	157	9%
Total Suicide Deaths	1,836		1,809		1,642		1,766		1,797	

Table 2. Number and Percentage of Drug Poisoning-Related Suicide Deaths by Substance¹, Ohio, 2018-2022

Drug Categories ¹	2018		2019		2020		2021		2022	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Opioids	51	33%	45	29%	41	31%	52	32%	42	27%
Stimulants ²	12	8%	11	7%	13	10%	24	15%	26	17%
Benzodiazepines	32	21%	24	15%	15	11%	22	13%	19	12%
Total Drug Poisoning-Related Suicide Deaths	156		156		134		164		156	

1. Multiple drugs may be involved in drug poisoning-related suicide deaths. Individual deaths may be reported in more than one category.

2. The stimulant drug category includes cocaine and psychostimulants. Psychostimulants include methamphetamine and other psychostimulants with potential for abuse (ICD-10 code T43.6).

Demographics: Age and Sex

- In 2022, Ohioans aged 35-44 years had the highest rate of suicide deaths, followed by those aged 25-34 years.
- From 2021 to 2022:
 - Ohioans aged 35-44 years had the largest increase in the rate of suicide deaths (7%), followed by the those aged 45-54 (6%).
 - The suicide death rate among youth (10-24 years) increased 3% to 11.8 deaths per 100,000 population.
 - The suicide death rate among older adults (65+ years) increased 2% to 16.4 deaths per 100,000 population.

Figure 7. Rate¹ of Suicide Deaths by Age Group and Year, Ohio, 2020-2022

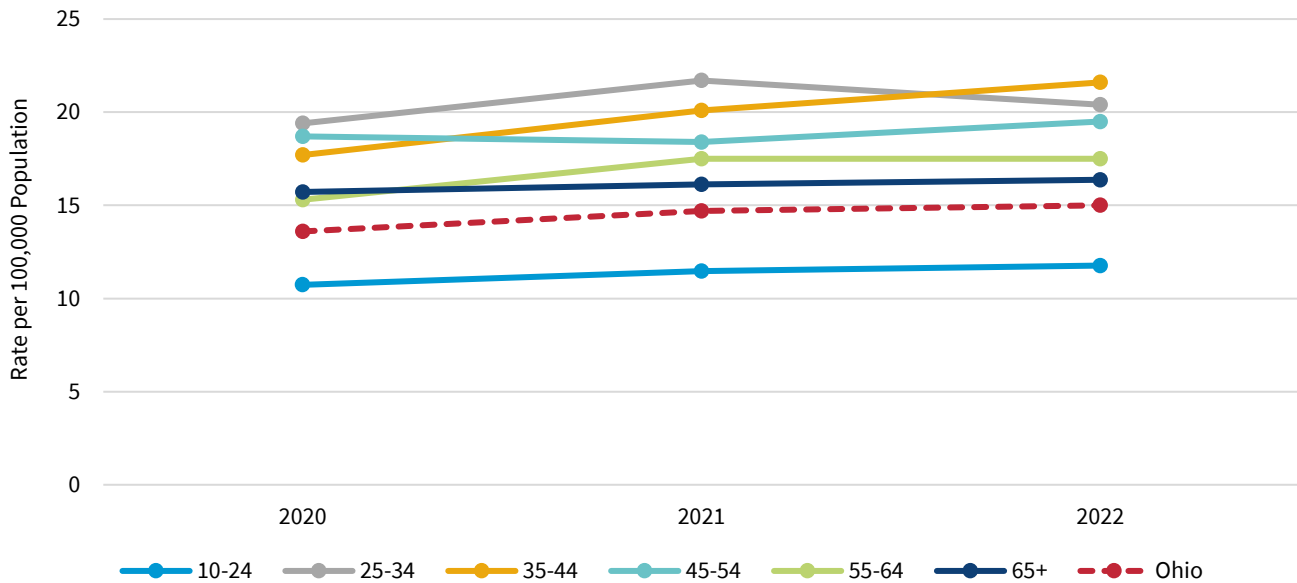


Figure 8. Number of Suicide Deaths by Age and Sex, Ohio, 2022

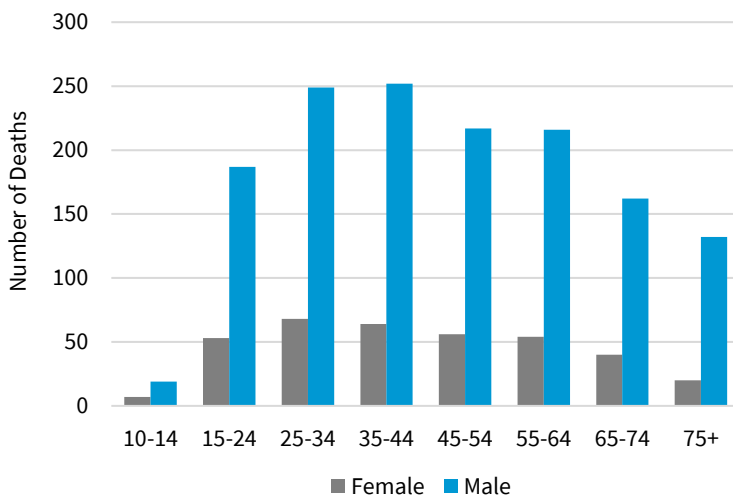
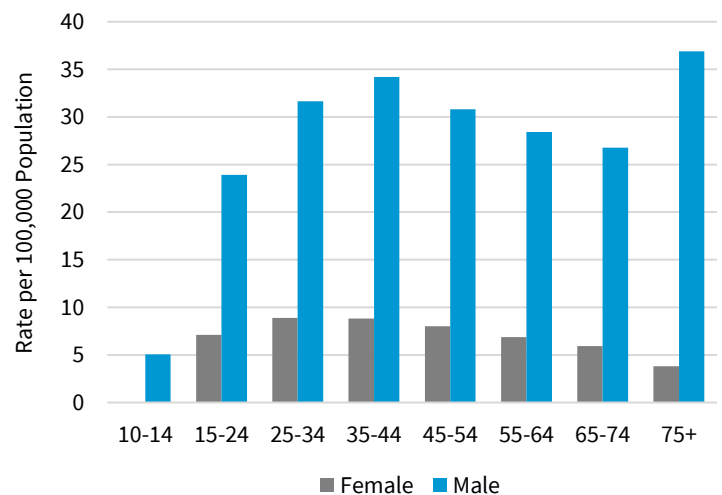


Figure 9. Rate of Suicide Deaths by Age and Sex, Ohio, 2022



- Males have consistently higher rates of suicide death compared with females. In 2022, males accounted for 80% of total Ohio suicide deaths.
- In 2022:
 - Among males, those aged 35-44 had the highest number of suicide deaths, while those aged 75 years and older had the highest rate of suicide deaths.
 - Among females, those aged 25-34 had both the highest number and rate of suicide deaths.

Demographics: Race/Ethnicity

- In 2022, the White non-Hispanic population continued to have the highest rate of suicide deaths.
- From 2021 to 2022, the Black non-Hispanic population had the largest increase in the rate of suicide deaths (16%). In comparison, the suicide death rate among the White non-Hispanic population increased 2% during the same period.
- From 2021 to 2022, suicide death rates among both the Hispanic population and the Asian/Pacific Islander, non-Hispanic population decreased (11% and 19%, respectively).

Figure 10. Age-Adjusted Rate of Suicide Deaths by Race/Ethnicity, Ohio, 2020-2022**

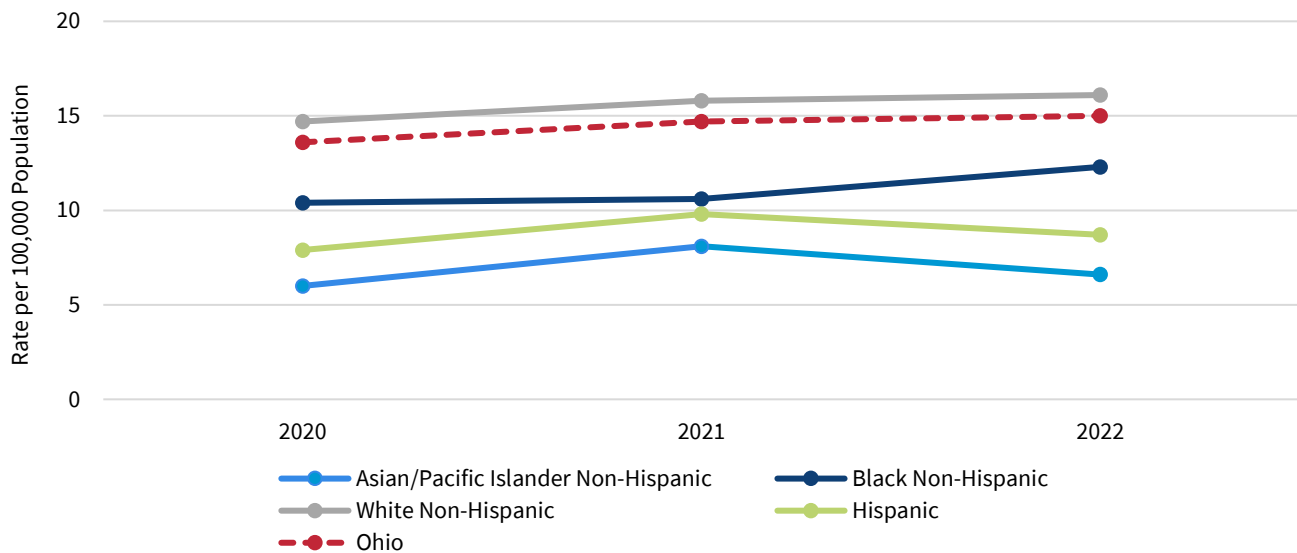
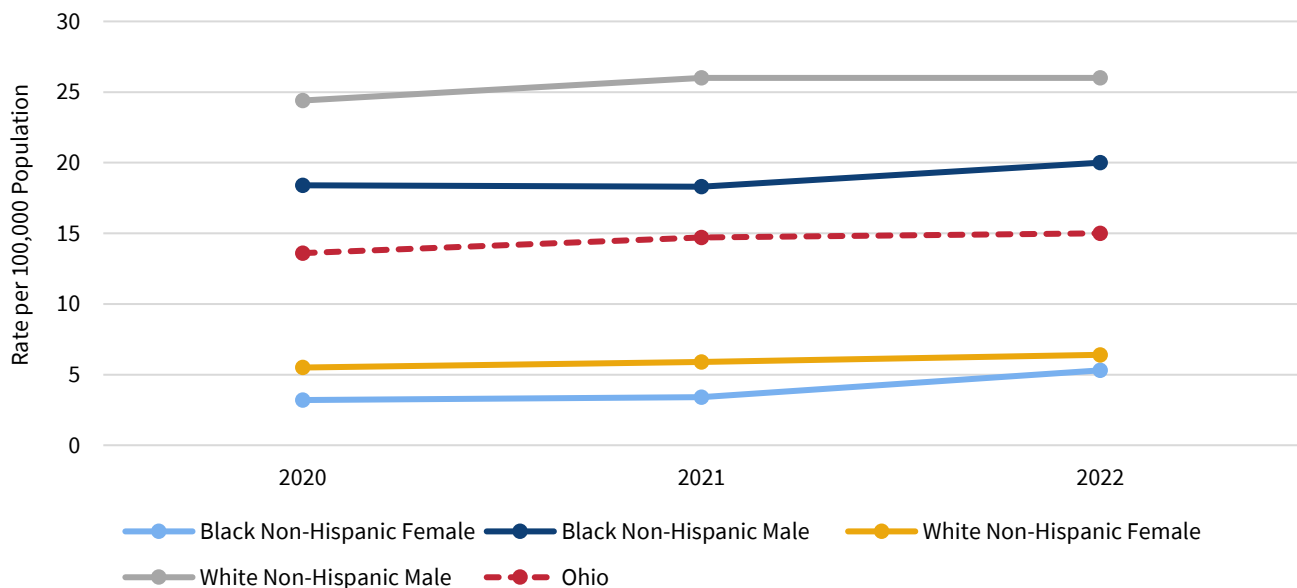


Figure 11. Age-Adjusted Rate of Suicide Deaths by Sex and Race/Ethnicity, Ohio, 2020-2022**



- In 2022, White non-Hispanic males continued to have the highest rate of suicide deaths.
- From 2021 to 2022:
 - Black non-Hispanic females had the largest increase in the rate of suicide deaths (56%), followed by Black non-Hispanic males (9%).
 - The rate of suicide deaths among White non-Hispanic females increased 8%, while the rate among White non-Hispanic males remained unchanged from the previous year.

Demographic Summary

Table 3. Number and Rate of Suicide Deaths by Demographics, Ohio, 2018-2022**

	2018	2019	2020		2021		2022		2020-2022	
Demographics	Number	Number	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Age										
5-9	0	1	0	.	0	.	1	.	1	.
10-14	28	31	26	3.4	24	3.2	26	3.6	76	3.4
15-24	243	224	221	14.3	236	15.5	240	15.7	697	15.2
25-34	295	305	300	19.4	336	21.7	317	20.4	953	20.5
35-44	297	304	254	17.7	291	20.1	316	21.6	861	19.8
45-54	298	303	270	18.7	261	18.4	273	19.5	804	18.8
55-64	342	297	245	15.3	277	17.5	270	17.5	792	16.7
65+	333	344	326	15.7	341	16.1	354	16.4	1,021	16.1
Sex										
Female	387	352	306	5.0	329	5.5	362	6.1	997	5.5
Male	1,449	1,457	1,336	22.7	1,437	24.2	1,435	24.2	4,208	23.7
Race/Ethnicity**										
American Indian, Non-Hispanic	1	2	2	.	1	.	0	.	3	.
Asian/Pacific Islander, Non-Hispanic	16	23	19	6.0	25	8.1	21	6.6	65	6.9
Black, Non-Hispanic	150	143	154	10.4	160	10.6	184	12.3	498	11.1
White, Non-Hispanic	1,629	1,581	1,415	14.7	1,517	15.8	1,525	16.1	4,457	15.5
Multiracial, Non-Hispanic	6	17	14	6.3	11	4.4	19	7.3	44	6.0
Hispanic	31	40	35	7.9	50	9.8	46	8.7	131	8.8
Race/Ethnicity and Sex**										
Black Non-Hispanic Females	31	22	25	3.2	26	3.4	41	5.3	92	4.0
Black Non-Hispanic Males	119	121	129	18.4	134	18.3	143	20.0	406	18.9
White Non-Hispanic Females	346	316	264	5.5	282	5.9	300	6.4	846	6.0
White Non-Hispanic Males	1,283	1,265	1,151	24.4	1,235	26.0	1,225	26.0	3,611	25.5
Hispanic Females	6	7	9	.	11	4.2	10	3.8	30	3.8
Hispanic Males	25	33	26	12.2	39	15.2	36	13.8	101	13.7
Total Suicide Deaths²	1,836	1,809	1,642	13.6	1,766	14.7	1,797	15.0	5,205	14.4

****This data reflects new national standards used in the creation of race categories. Caution should be used when comparing data to that of previous reports.**

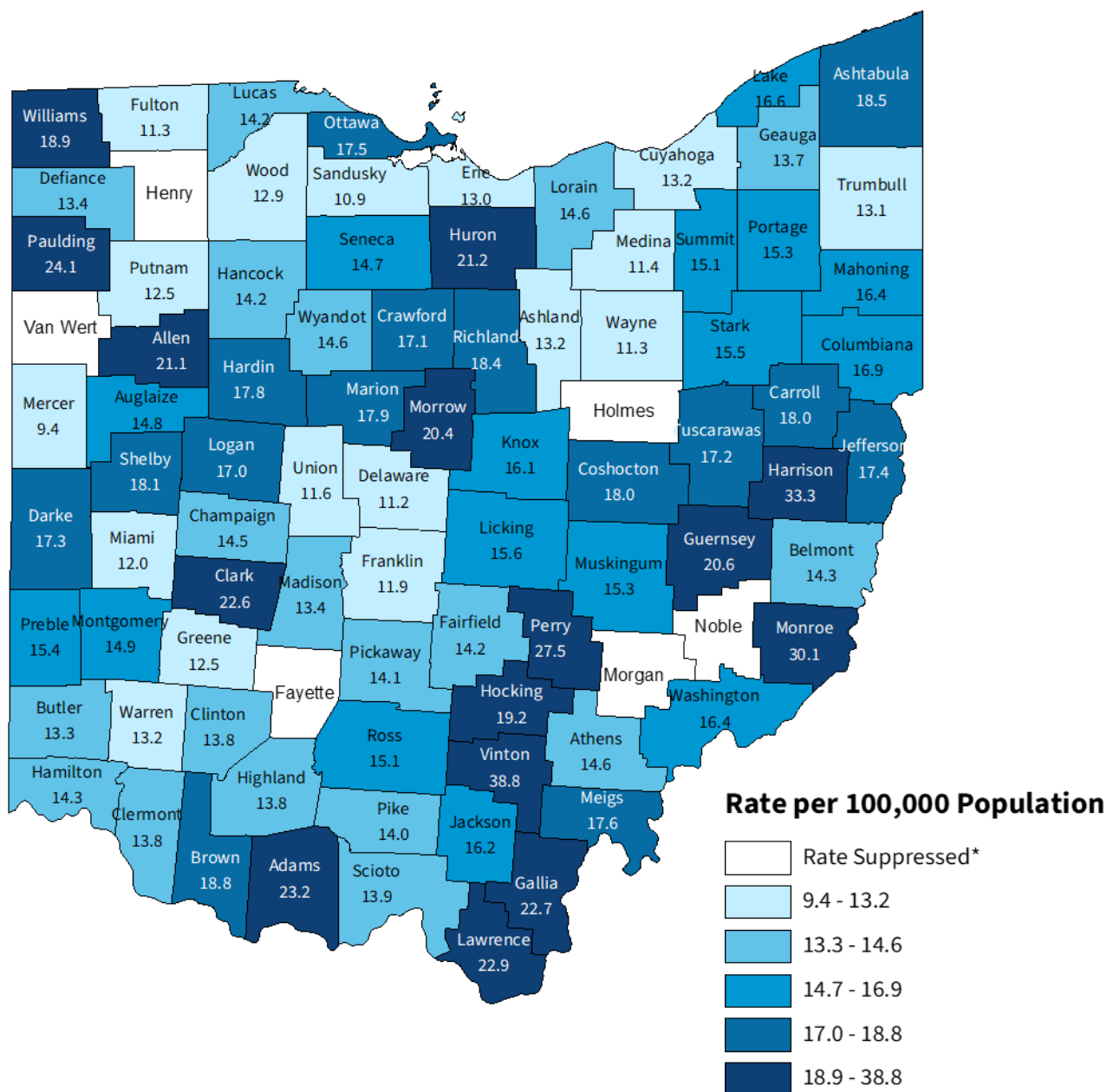
Other race and ethnicity groups are not presented due to small numbers.

1. The death rates presented for age groups are age-specific. The death rates presented for sex and race/ethnicity are age-adjusted to the 2000 U.S. standard population to allow a comparison of the overall risk of dying between different populations. Rates are suppressed when there are fewer than 10 total deaths.

2. Total includes all suicide deaths among Ohio residents.

Demographics: County

Figure 12. Average Age-Adjusted Rate of Suicide Deaths by County, Ohio, 2020-2022



- From 2020 to 2022, Vinton County had the highest suicide death rate (38.8 per 100,000). Mercer County had the lowest rate (9.4 per 100,000).
- Of the 15 counties with the highest suicide death rates, 13 were rural (nine rural, Appalachian and four rural, non-Appalachian).

*Rates are suppressed when there are fewer than 10 total deaths.

**At the time of this report, population files from the federal government reflecting new national standards and methodologies were available for 2020 through 2022 only. Because of this change, ODH advises caution in comparing these rates to those from years prior to 2020.

Demographics: County

Table 4. Number and Age-Adjusted Rate of Suicide Deaths by County, Ohio, 2018-2022

County ¹	2018	2019	2020	2021	2022	2022 Rate ²	2020-2022 Rate ²
Ohio	1,836	1,809	1,642	1,766	1,797	15.0	14.4
Adams	9	8	3	8	8	.	23.2
Allen	12	10	30	18	14	13.6	21.1
Ashland	8	3	9	8	6	.	13.2
Ashtabula	22	16	16	25	14	14.1	18.5
Athens	7	11	7	9	9	.	14.6
Auglaize	3	4	6	7	7	.	14.8
Belmont	17	10	12	11	5	.	14.3
Brown	10	7	7	5	11	27.9	18.8
Butler	50	53	42	50	68	17.7	13.3
Carroll	3	4	6	5	4	.	18.0
Champaign	6	10	5	4	7	.	14.5
Clark	29	26	34	32	25	19.0	22.6
Clermont	34	43	31	28	32	13.7	13.8
Clinton	8	8	4	6	9	.	13.8
Columbiana	18	21	17	22	14	12.8	16.9
Coshocton	7	10	12	6	6	.	18.0
Crawford	5	15	4	10	7	.	17.1
Cuyahoga	188	186	171	172	163	13.1	13.2
Darke	10	5	9	8	9	.	17.3
Defiance	5	5	1	8	6	.	13.4
Delaware	19	27	25	23	26	11.3	11.2
Erie	9	14	7	13	10	12.1	13.0
Fairfield	21	22	18	30	22	12.3	14.2
Fayette	2	2	1	6	2	.	.
Franklin	177	153	143	168	168	12.4	11.9
Fulton	15	5	5	6	6	.	11.3
Gallia	10	10	6	7	6	.	22.7
Geauga	19	12	16	9	14	14.1	13.7
Greene	27	19	21	18	21	12.7	12.5
Guernsey	7	6	8	7	10	22.0	20.6
Hamilton	105	110	101	117	136	16.3	14.3
Hancock	13	14	13	5	13	17.9	14.2
Hardin	2	9	5	5	5	.	17.8
Harrison	0	1	5	3	7	.	33.3
Henry	3	4	4	0	4	.	.

Source: ODH Bureau of Vital Statistics. Analysis: ODH Violence and Injury Epidemiology and Surveillance Section. Includes Ohio residents who died due to suicide underlying cause of death ICD-10 codes X60-X84, Y87.0, *U03).

1. County is determined by county of residence.

2. Death rates are age-adjusted to the 2000 U.S. standard population to allow a comparison of the overall risk of dying between different populations. Rates are suppressed when there are fewer than 10 total deaths.

Demographics: County

Table 4. Number and Age-Adjusted Rate of Suicide Deaths by County, Ohio, 2018-2022

County ¹	2018	2019	2020	2021	2022	2022 Rate ²	2020-2022 Rate ²
Ohio	1,836	1,809	1,642	1,766	1,797	15.0	14.4
Highland	6	7	8	7	6	.	13.8
Hocking	6	5	5	5	7	.	19.2
Holmes	2	1	4	1	1	.	.
Huron	11	14	8	13	14	27.5	21.2
Jackson	8	12	6	5	6	.	16.2
Jefferson	15	16	10	11	14	22.4	17.4
Knox	10	10	6	14	9	.	16.1
Lake	34	43	38	53	30	11.6	16.6
Lawrence	12	3	9	14	17	30.4	22.9
Licking	25	31	29	30	28	15.3	15.6
Logan	12	9	8	7	8	.	17.0
Lorain	52	51	44	51	48	14.6	14.6
Lucas	64	73	65	64	62	13.5	14.2
Madison	6	7	9	4	6	.	13.4
Mahoning	38	37	33	39	42	17.8	16.4
Marion	10	18	11	12	14	20.0	17.9
Medina	25	31	25	25	18	7.5	11.4
Meigs	9	4	1	6	4	.	17.6
Mercer	5	1	4	5	2	.	9.4
Miami	21	12	15	14	14	10.2	12.0
Monroe	2	4	4	3	5	.	30.1
Montgomery	79	91	82	77	92	16.7	14.9
Morgan	4	3	1	5	3	.	.
Morrow	6	2	7	6	8	.	20.4
Muskingum	25	17	10	12	14	16.3	15.3
Noble	3	1	0	1	0	.	.
Ottawa	11	11	4	5	12	31.5	17.5
Paulding	4	4	4	3	6	.	24.1
Perry	4	4	9	7	13	33.7	27.5
Pickaway	7	10	9	9	8	.	14.1
Pike	9	5	3	4	4	.	14.0
Portage	31	23	26	24	29	15.2	15.3
Preble	8	7	6	7	4	.	15.4
Putnam	2	3	4	2	6	.	12.5
Richland	21	11	18	21	33	25.5	18.4

Source: ODH Bureau of Vital Statistics. Analysis: ODH Violence and Injury Epidemiology and Surveillance Section. Includes Ohio residents who died due to suicide underlying cause of death ICD-10 codes X60-X84, Y87.0, *U03).

1. County is determined by county of residence.

2. Death rates are age-adjusted to the 2000 U.S. standard population to allow a comparison of the overall risk of dying between different populations. Rates are suppressed when there are fewer than 10 total deaths.

Demographics: County

Table 4. Number and Age-Adjusted Rate of Suicide Deaths by County, Ohio, 2018-2022

County ¹	2018	2019	2020	2021	2022	2022 Rate ²	2020-2022 Rate ²
Ohio	1,836	1,809	1,642	1,766	1,797	15.0	14.4
Ross	18	10	14	6	14	19.4	15.1
Sandusky	9	8	6	10	3	.	10.9
Scioto	21	13	7	10	12	17.4	13.9
Seneca	12	14	8	5	10	20.0	14.7
Shelby	11	7	8	8	11	24.3	18.1
Stark	71	73	53	75	52	12.9	15.5
Summit	80	90	80	88	80	15.1	15.1
Trumbull	35	36	38	21	28	13.7	13.1
Tuscarawas	13	11	16	13	19	22.1	17.2
Union	9	7	8	5	9	.	11.6
Van Wert	2	3	0	3	3	.	.
Vinton	3	4	3	1	9	.	38.8
Warren	26	31	26	42	33	13.6	13.2
Washington	6	11	12	5	15	22.1	16.4
Wayne	17	24	14	17	8	.	11.3
Williams	6	8	7	6	7	.	18.9
Wood	23	11	9	20	20	15.6	12.9
Wyandot	6	4	3	4	3	.	14.6

Source: ODH Bureau of Vital Statistics. Analysis: ODH Violence and Injury Epidemiology and Surveillance Section. Includes Ohio residents who died due to suicide underlying cause of death ICD-10 codes X60-X84, Y87.0, *U03).

1. County is determined by county of residence.

2. Death rates are age-adjusted to the 2000 U.S. standard population to allow a comparison of the overall risk of dying between different populations. Rates are suppressed when there are fewer than 10 total deaths.