

# Mississippi Resident Firearm-related Deaths, 2016-2022

MSDH Office of Vital Records and Public Health Statistics, January 2024

In 2022, a total of 849 firearm-related deaths occurred among Mississippi residents (29.6 deaths per 100,000) (Table 1). Between 2019 and 2022, the total number of firearm-related deaths has increased by 19.6%, and since 2016, the total number of firearm-related deaths increased 42.9%. Assault accounted for 60.2% of firearm-related deaths (511 deaths), while intentional self-harm and unintentional firearm deaths accounted for 35.5% and 1.5% of all firearm deaths (301 and 13 deaths), respectively.

**Table 1:** Mississippi resident firearm-related deaths by cause group, 2016-2022

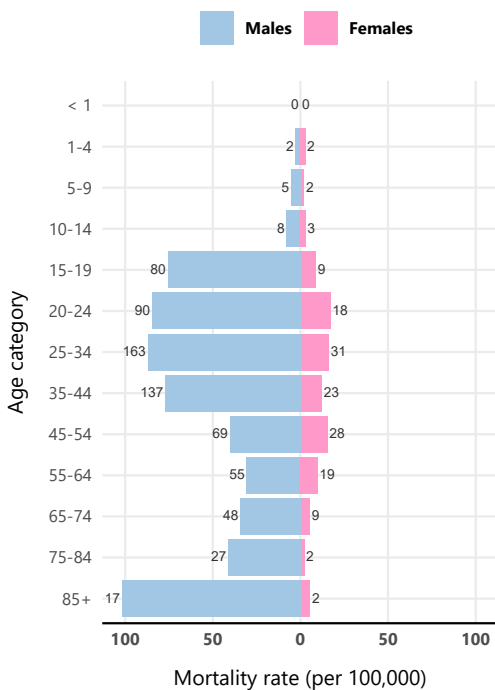
Year	All firearm		Assault			Intentional self-harm			Unintentional		
	Count	Rate	Count	Rate	% of all	Count	Rate	% of all	Count	Rate	% of all
2016	594	20.1	288	10.1	48.5	270	8.7	45.5	20	0.7	3.4
2017	633	21.5	295	10.4	46.6	296	9.6	46.8	16	0.6	2.5
2018	681	22.9	320	11.4	47.0	314	9.9	46.1	27	0.9	4.0
2019	710	24.2	366	13.0	51.5	308	9.9	43.4	18	0.7	2.5
2020	818	28.5	499	17.8	61.0	278	9.3	34.0	25	0.9	3.1
2021	961	33.8	582	21.1	60.6	333	11.1	34.7	21	0.7	2.2
2022	849	29.6	511	18.5	60.2	301	9.8	35.5	13	0.5	1.5

Note:

Age-adjusted rates calculated as per 100,000 population; undetermined firearm deaths not shown due to small numbers

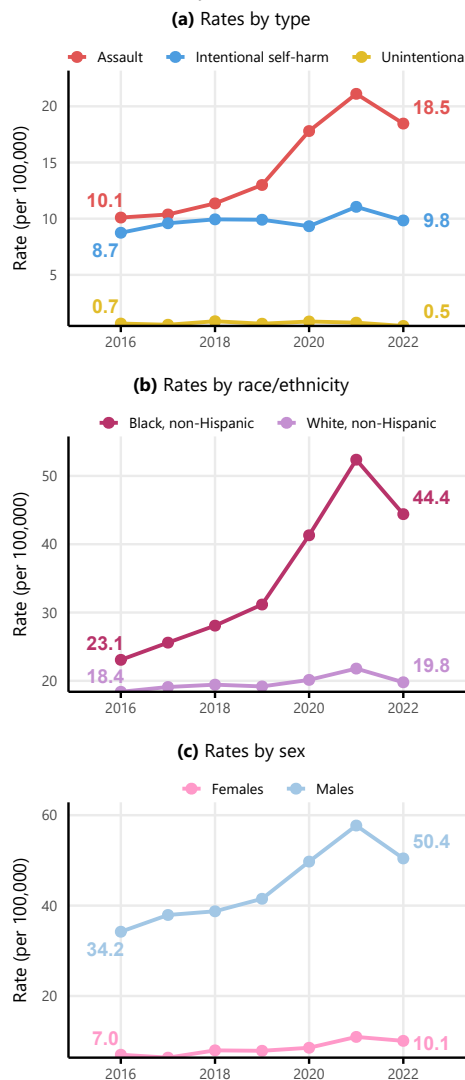
701 firearm-related deaths occurred among males in 2022 (rate of 50.4 per 100,000) compared to 148 deaths among females. Firearm deaths were more common among males ages 15-44. Intentional self-harm accounts for 88% of firearm deaths (15) among males 85 and older. For males, the rate increased by 45.3% between 2016 and 2022. The rate of assault firearm deaths increased 83.2% between 2016 and 2022 (Figure 2). The rate of intentional self-harm increased by 12.6% within the same time period.

**Figure 1:** Firearm mortality population pyramid, 2022



\*Count of deaths next to bar

**Figure 2:** Firearm-related deaths by type, race/ethnicity, and sex, 2016-2022



A total of 487 firearm deaths occurred among black, non-Hispanic residents in 2022 with a rate increase of 92.2% between 2016 and 2022. A total of 343 firearm deaths occurred among white, non-Hispanic residents in 2022 with a rate increase of 7.6% since 2016. In 2022, the highest rate of firearm deaths occurred in District 3 with 66.8 deaths per 100,000 (114 deaths) (Figure 3). The highest number of firearm deaths occurred in District 5 (235 deaths) with a rate of 39.2 after adjusting for population.

**Figure 3:** Firearm-related deaths by Public Health District, 2022

