

Firearm-Related Emergency Department Visits in North Carolina

Quarter 3: July - September 2022

There were **849** firearm-related ED visits from Jul-Sep 2022 compared to **1,125** from Jul-Sep 2021

Some counties and groups experienced a significant increase in firearm-related injury ED visits for July - September 2022.

County-Level Groups with Significant Increases in Firearm-Related Injury ED Visits in Q3 2022 vs. Prior 3-Year Average

County	Group	Number of Visits	Percent Increase
Bladen	Male	8	+243%
Cleveland	Black NH	15	+137%
	Ages 25-44	10	+43%
Davidson	Total Visits	14	+31%
Forsyth	Hisp	12	+64%
	Ages 18-24	24	+60%
Granville	Black NH	11	+230%
Rockingham	Male	15	+88%
	Total Visits	17	+70%
Rural Counties	Ages 65+	20	+28%
Surry	Ages 45-64	8	+700%
	Male	16	+380%
	Total Visits	16	+380%
	White NH	10	+275%

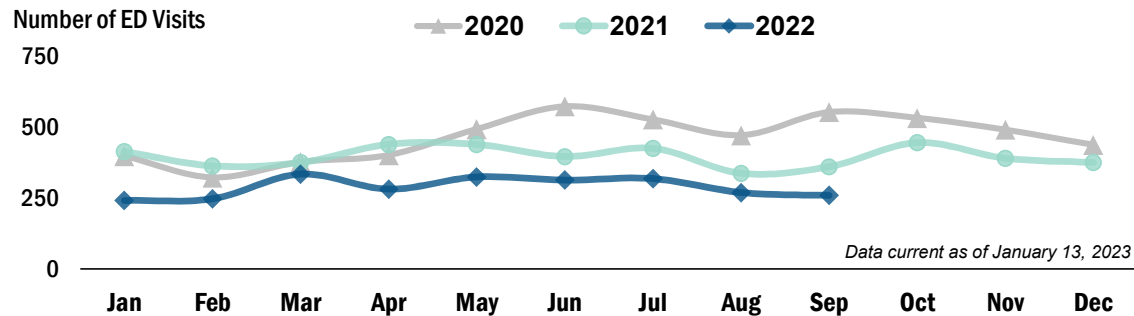
NH = Non-Hispanic

Note: Significant is defined as an observation count for Q3, 2022 that is > 2 standard deviations from the mean of observations for Q3 of 2019-2021.

The table is limited to top 15 county-level groups with the highest percent increase from the mean. There were a total of 13 county-level groups with significant increases in firearm-injury ED visits.

Firearm-related injury ED visits decreased slightly from July - September 2022.

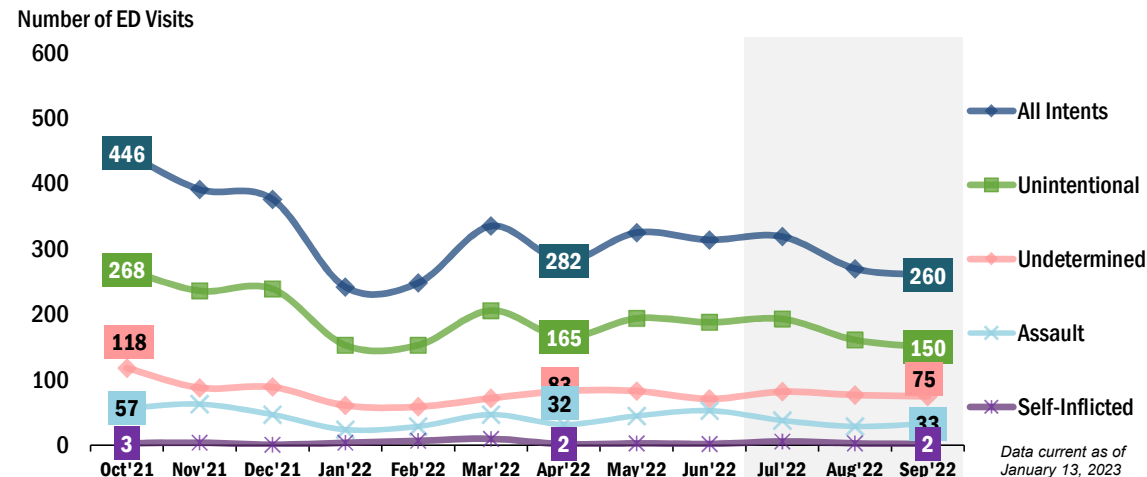
Firearm-Related Injury ED Visits by Month: 2020-2022



The number of firearm-related injury ED visits in quarter 3 remained lower than in previous years.

Most firearm-related injury ED visits (61%) from July - September 2022 were for unintentional injuries.

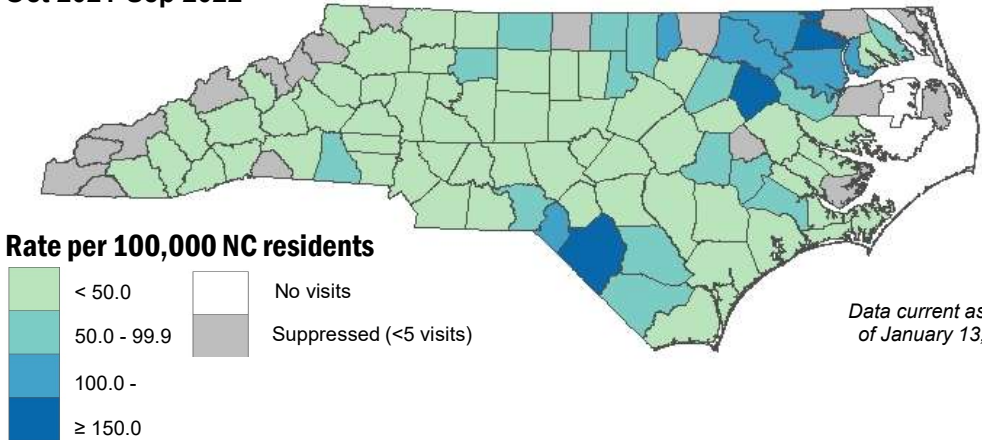
Firearm-Related Injury ED Visits by Intent: Oct 2021-Sep 2022



Firearm injury ED visits during the current quarter (Jul-Sep 2022) decreased across all intents.

Rates of firearm-related injury ED visits were highest in Northampton, Robeson, and Vance counties.

Firearm-Related Injury ED Visit Rates by County of Residence: Oct 2021-Sep 2022



Counties with the Highest Annual Firearm-Related Injury ED Visit Rates: Oct 2021-Sep 2022

County	Count	Annual Rate [†]
Hertford	38	164.4
Edgecombe	81	159.4
Robeson	197	151.5
Scotland	51	147.2
Vance	62	138.6
Halifax	63	127.3
Bertie	21	112.2
Chowan	15	108.6
Northampton	20	104.8
Richmond	43	97.0
Statewide	3,808	35.9

Over half of non-suppressed counties (46/81) had annual rates lower than the state rate of 35.9 firearm-related ED visits per 100,000 residents. nine counties had rates of 100 per 100,000 residents or higher.

[†] Rates are calculated using the most recent 12 months of data and 2020 population estimates. Counties listed in the 'Highest Rates of Firearm-Related Injury ED Visits' table will likely change each quarter. Therefore, the counties listed this quarter cannot be generalized as the top burden counties for the year.

Preventing Firearm-Related Injuries: What Works



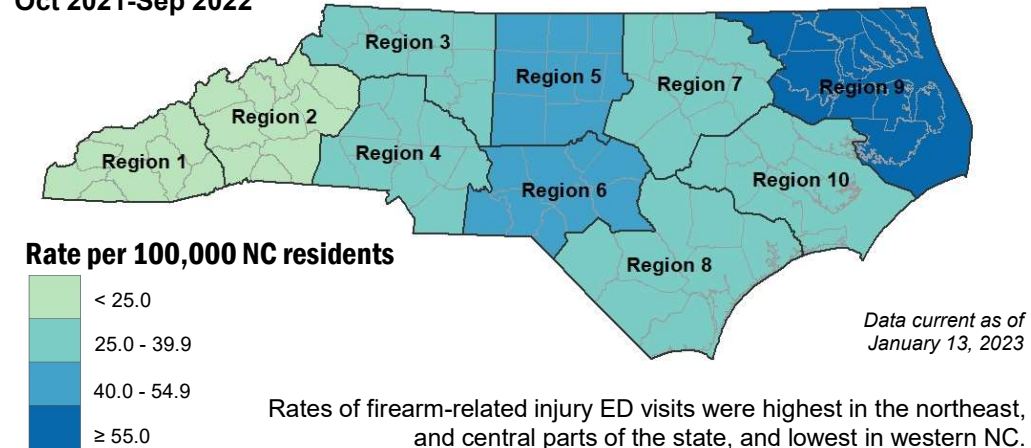
Prohibiting Possession for Domestic Violence Perpetrators

Prohibiting perpetrators of domestic violence from buying or possessing guns and ammunition has been shown to reduce intimate partner homicide by 6% to 19%.

American Psychological Association (2013)

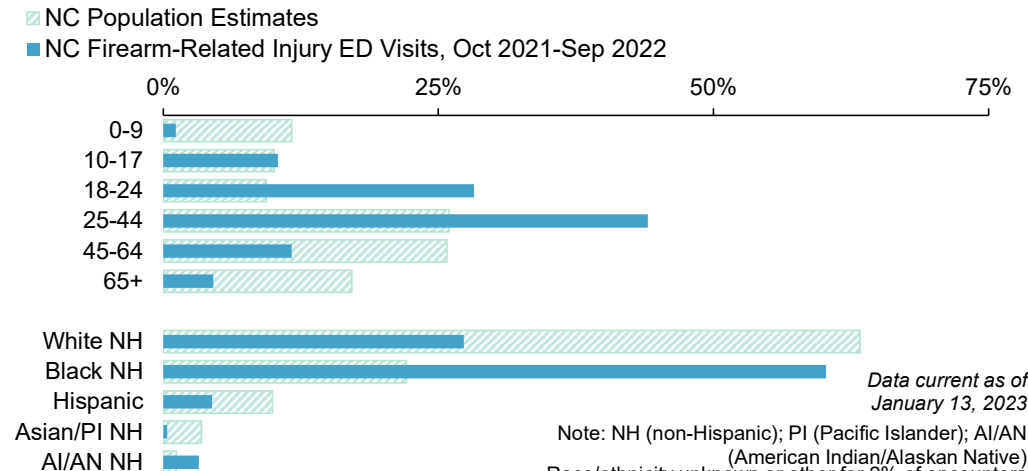
Public Health Region 9 experienced the highest firearm-related injury ED visit rates over the last 12 months.

Firearm-Related Injury ED Visit Rates by NC Public Health Region: Oct 2021-Sep 2022



NH Black residents and young adults experience a disproportionate burden of firearm-related injury ED visits.

Demographics of Firearm-Related Injury ED Visits Compared to Overall NC Population Estimates: July - September 2022



18-24 and 25-44 year olds accounted for 28% and 44% of firearm-related ED visits despite representing only 9% and 26% of the population, respectively. Additionally, Non-Hispanic Black residents accounted for 60% of ED visits but only 22% of the population in the state.

For more information, visit <https://ncdetect.org>





