JULY-SEPTEMBER 2021 SELF-INFLICTED INJURY UPDATE

North Carolina Emergency Department (ED) Visits for Self-Inflicted Injury, Jul-Sep 2021 Update

2,580 Self-inflicted injury ED visits from Jul-Sep 2021 compared to
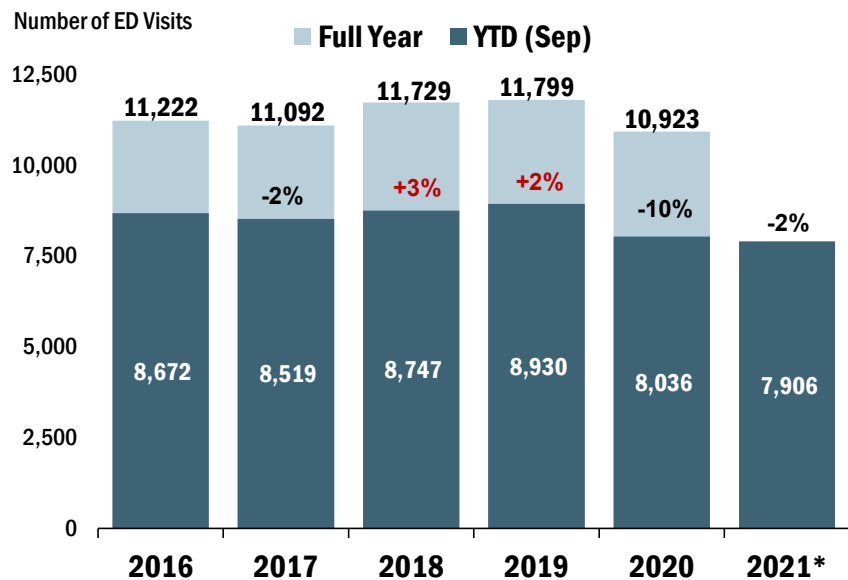
2,882 from Jul-Sep 2020

^Report is based on initial encounter ICD-10-CM self-inflcited injury codes. See the [CSTE Self-Harm Indicator](#) for comprehensive list of codes.
Note: Report is restricted to N.C. residents ages 10 and older and does not exclude visits resulting in death.
Data Source: NC DETECT, ED visits; data as of 10/13/2021

Self-Inflicted Injury ED Visits by Month: 2019-2021*

Number of ED Visits

Legend: 2019, 2020, 2021*

*Provisional Data: 2021

There has been a 2% decrease in self-inflicted injury ED visits from Sep 2020 to Sep 2021*.
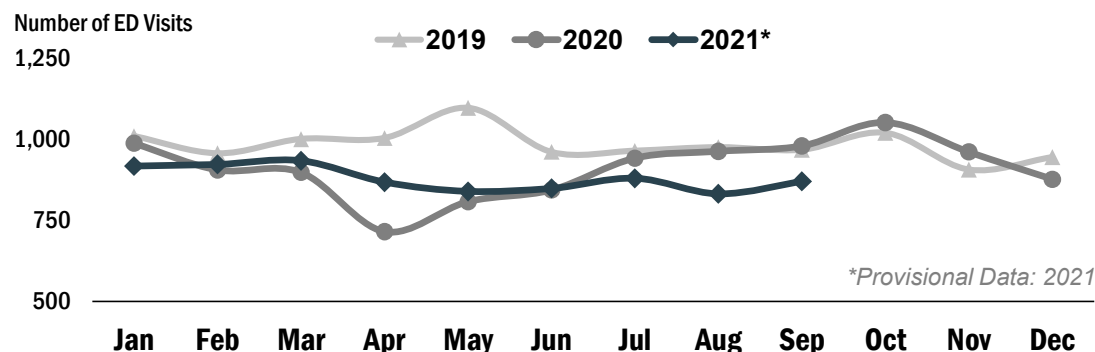
Self-Inflicted Injury ED Visits: 2016-2021*

Number of ED Visits

Full Year | YTD (Sep)

Year	Full Year	YTD (Sep)	% change
2016	11,222	8,672	
2017	11,092	8,519	-2%
2018	11,729	8,747	+3%
2019	11,799	8,930	+2%
2020	10,923	8,036	-10%
2021*		7,906	-2%

YTD: Year to Date
Percent change: YTD total compared to YTD total of previous year
*Provisional Data: 2021

Most self-inflicted injury ED visits during Jul-Sep 2021* were due to medication/drug poisoning (61.0%).

Last 12 Months of Self-Inflicted Injury ED Visits by Injury Mechanism: Oct 2020-Sep 2021*

Number of ED Visits

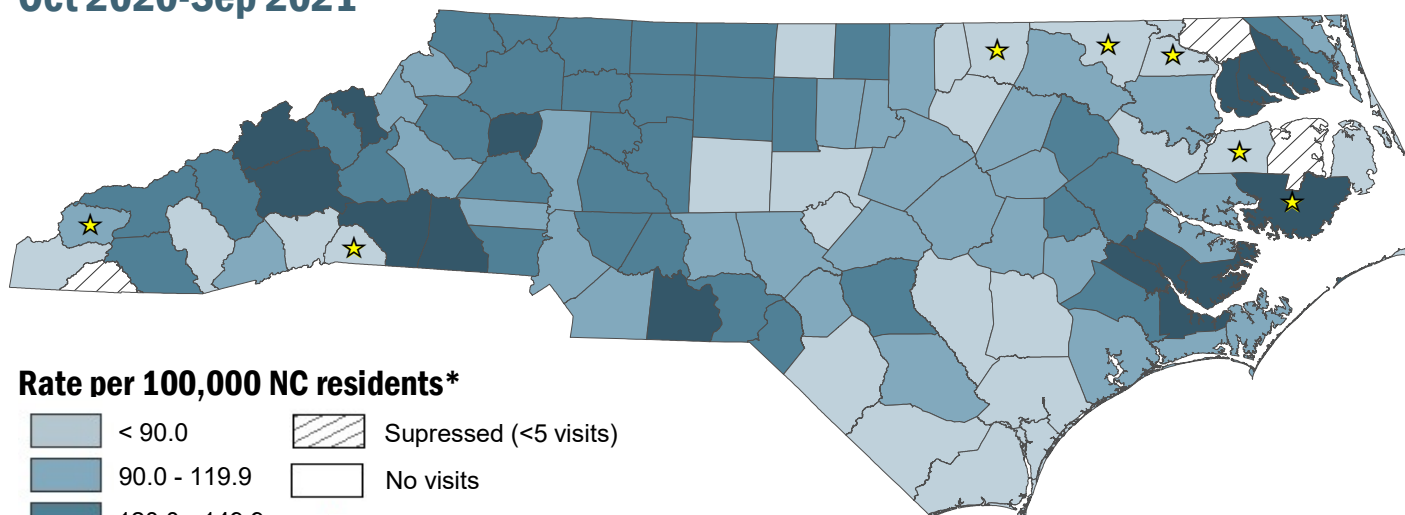| Mechanism	Oct'20	Apr'21	Sep'21
Poisoning - Med/Drug	612	552	522
Unspecified	311	237	253
Cut/Pierce	167	103	146
Other/Specified^	106	75	70
Poisoning - Non-Drug	29	30	21
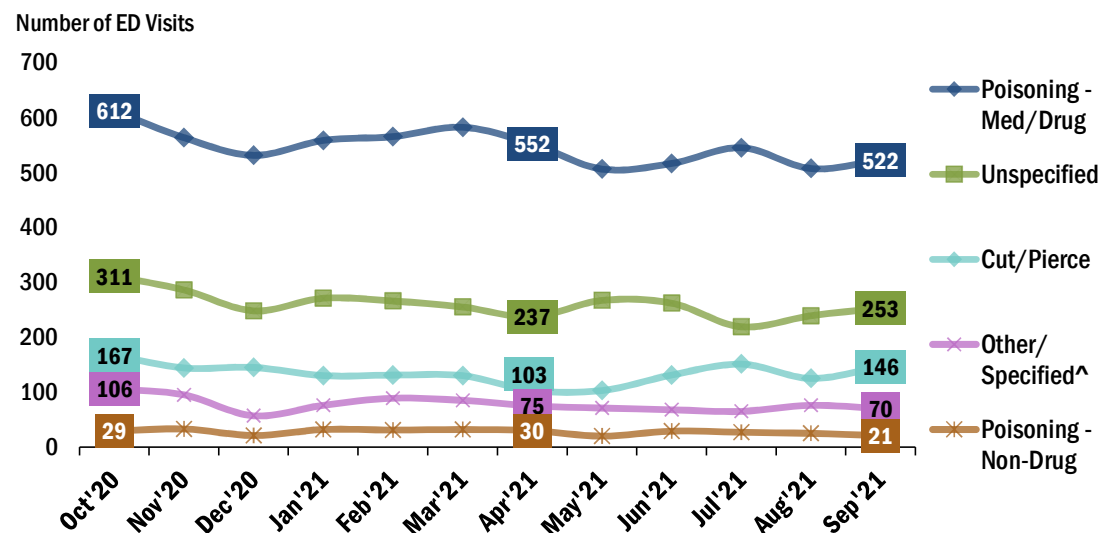
Injury mechanisms shown are not mutually exclusive and do not sum to the total number of self-inflcited injuries. For more information, see the IVPB [Injury Surveillance Technical Notes](#) Document.
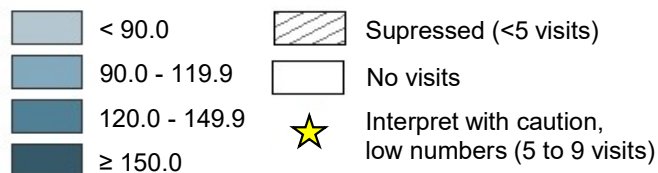^Other specified includes suffocation (12%), fire/burn (11%), and firearm (5%); no additional detail was available for 62% of suicides with a code for other specified mechanism.

*Provisional Data: 2021

Last 12 Months Self-Inflicted Injury ED Visit Rates by County of Residence: Oct 2020-Sep 2021*

Rate per 100,000 NC residents*

- < 90.0
- 90.0 - 119.9
- 120.0 - 149.9
- ≥ 150.0
- Supressed (<5 visits)
- No visits
- ⭐ Interpret with caution, low numbers (5 to 9 visits)

Provisional Data: 2021

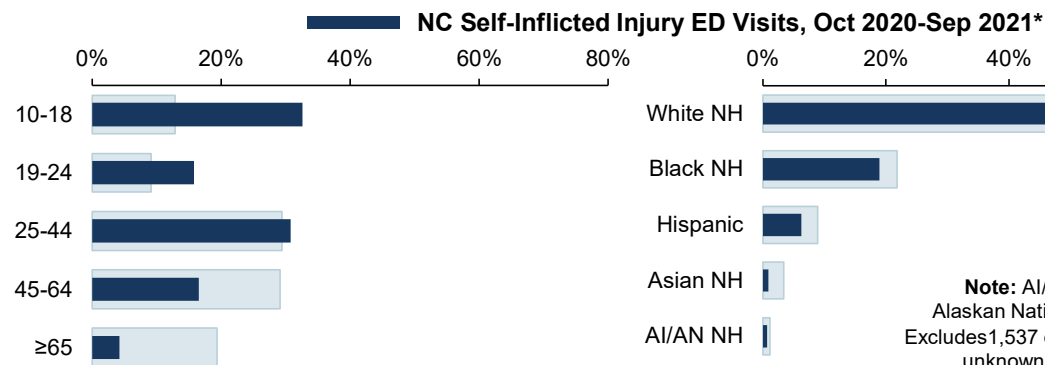## Highest County Self-Inflicted Injury ED Visit Rates from the Last 12 Months, ≥10 visits: Oct 2020-Sep 2021*

County	Count	Rate per 100,000†
Alexander	86	255.5
Greene	40	211.8
Transylvania	40	200.5
Anson	43	196.7
Pasquotank	65	185.5
Chowan	23	184.0
Craven	160	178.2
Rutherford	102	170.1
McDowell	67	163.3
Cleveland	140	161.7
Pamlico	19	161.4
Ashe	40	161.1
Statewide	**10,793**	**115.3**

†Please note that rates are calculated using the most recent 12 months of data and 2020 population estimates. Counties listed in "Highest Monthly Rates of Self-Inflcited Injury^ ED visits" table will likely change each quarter.

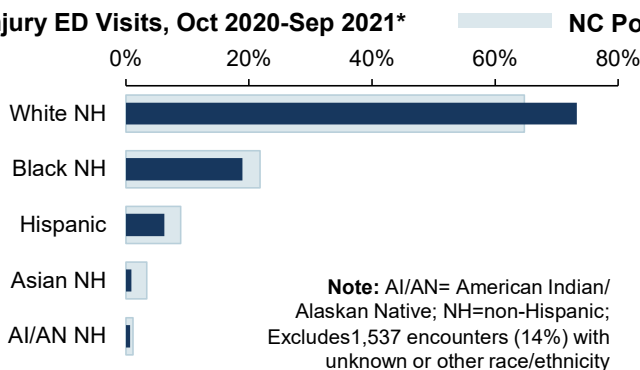# Quarterly Demographics of Self-Inflicted Injury ED Visits Compared to Overall NC Population Estimates

Most visits occurred among those ages 10-18 (33%) despite them making up only 13% of the population.
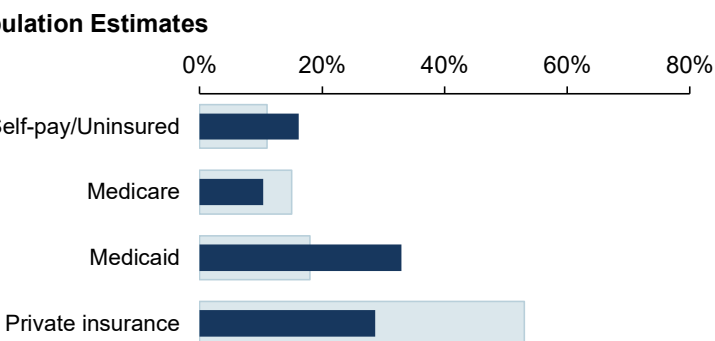
ED Visits by Age Group

Most visits were among non-Hispanic (NH) white residents (73%) followed by NH Black residents (19%).

ED Visits by Race/Ethnicity

Most visits occured among those with Medicaid (33%) followed by those with private insurance (29%).

ED Visits by Insurance Coverage

Legend: ■ NC Self-Inflicted Injury ED Visits, Oct 2020-Sep 2021* □ NC Population Estimates

ED Visits by Age Group categories: 10-18, 19-24, 25-44, 45-64, ≥65

ED Visits by Race/Ethnicity categories: White NH, Black NH, Hispanic, Asian NH, AI/AN NH

Note: AI/AN= American Indian/Alaskan Native; NH=non-Hispanic; Excludes1,537 encounters (14%) with unknown or other race/ethnicity

ED Visits by Insurance Coverage categories: Self-pay/Uninsured, Medicare, Medicaid, Private insurance
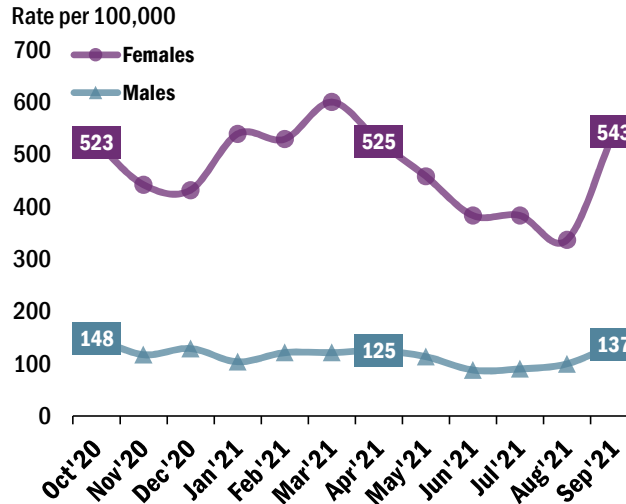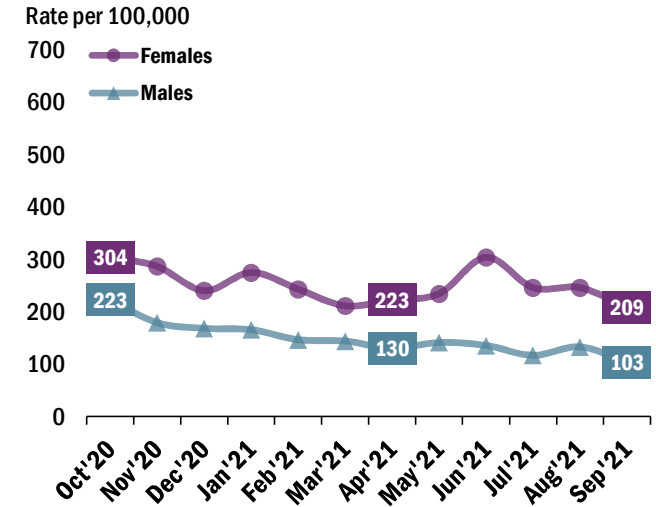
Provisional Data: 2021

Rates of self-inflcited injury ED visits from Jul-Sep 2021* were highest among females ages 10-18 (420.6 per 100,000) followed by females ages 19-24 (233.6 per 100,000).

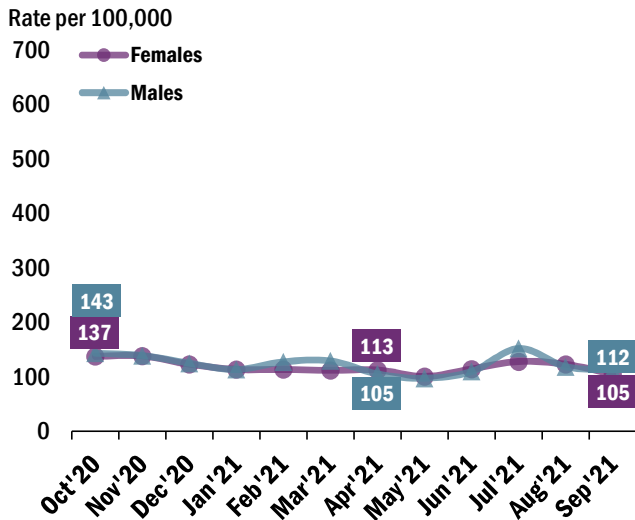Among males, rates of self-inflcited injury ED visits were highest among those ages 25-44 (127.6 per 100,000).
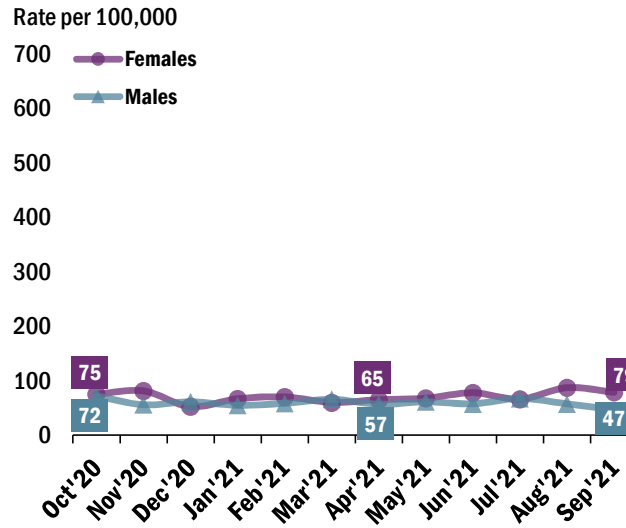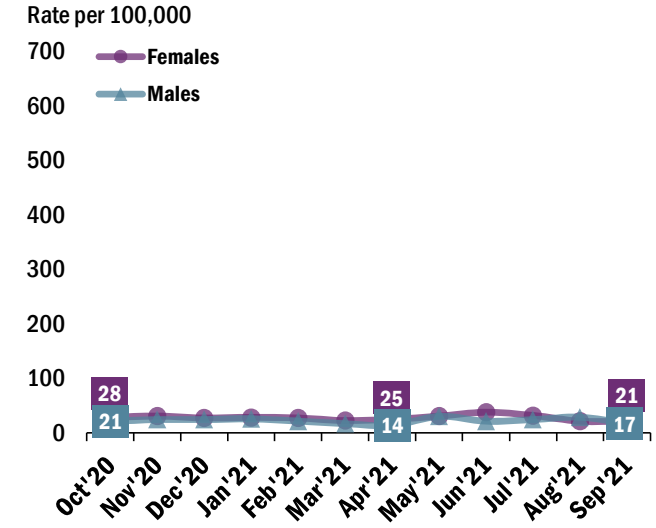
Ages 10-18
Rate per 100,000

- ● Females
- ▲ Males

523 · · · 525 · · · 543

148 · · · 125 · · · 137

Oct'20 Nov'20 Dec'20 Jan'21 Feb'21 Mar'21 Apr'21 May'21 Jun'21 Jul'21 Aug'21 Sep'21

Ages 19-24
Rate per 100,000

- ● Females
- ▲ Males

304 · · · 223 · · · 209
223 · · · 130 · · · 103

Oct'20 Nov'20 Dec'20 Jan'21 Feb'21 Mar'21 Apr'21 May'21 Jun'21 Jul'21 Aug'21 Sep'21

Ages 25-44
Rate per 100,000

- ● Females
- ▲ Males

143 · · · 113 · · · 112
137 · · · 105 · · · 105

Oct'20 Nov'20 Dec'20 Jan'21 Feb'21 Mar'21 Apr'21 May'21 Jun'21 Jul'21 Aug'21 Sep'21

Ages 45-64
Rate per 100,000

- ● Females
- ▲ Males

75 · · · 65 · · · 79
72 · · · 57 · · · 47

Oct'20 Nov'20 Dec'20 Jan'21 Feb'21 Mar'21 Apr'21 May'21 Jun'21 Jul'21 Aug'21 Sep'21

Ages 65 and Older
Rate per 100,000

- ● Females
- ▲ Males

28 · · · 25 · · · 21
21 · · · 14 · · · 17

Oct'20 Nov'20 Dec'20 Jan'21 Feb'21 Mar'21 Apr'21 May'21 Jun'21 Jul'21 Aug'21 Sep'21

*Provisional Data: 2021

NC DEPARTMENT OF **HEALTH AND HUMAN SERVICES** Division of Public Health

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